M1 Contents: Site Ecological Background

M2 Contents: SLERA Technical Supporting Materials

M3 Contents: Summary Statistics with Comparison to SLERA Criteria and GIS Coordinates

M4 Contents: Chemical Distribution Figures

M5 Contents: Step 3a BERA Technical Supporting Materials: Terrestrial Plant and Invertebrate Evaluation (Surface Soil)

M6 Contents: Step 3a BERA Technical Supporting Materials: Aquatic Community Evaluation (Surface Water, Ground Water, and Sediment)

M7 Contents: Step 3a BERA Technical Supporting Materials: Mammal and Bird Population Evaluation (Surface Soil, Surface Water, and Sediment)

M8 Contents: Qualitative Biological Assessment Field Data Sheets

M9 Contents: Uncertainty Evaluation Information

M1 Contents: Site Ecological Background

M1-1: Site Photographs

M1-2: Checklist for Ecological Assessment/Sampling

M1-3: Threatened and Endangered Species Summary

Photo 1: Pond 1.

Photo 2: Pond 2.

Photo 3: Lacustrine wetlands at northern edge of Pond 2.

Photo 4: "Natural Pond."

Photo 5: Herbaceous wetlands near Building 143.

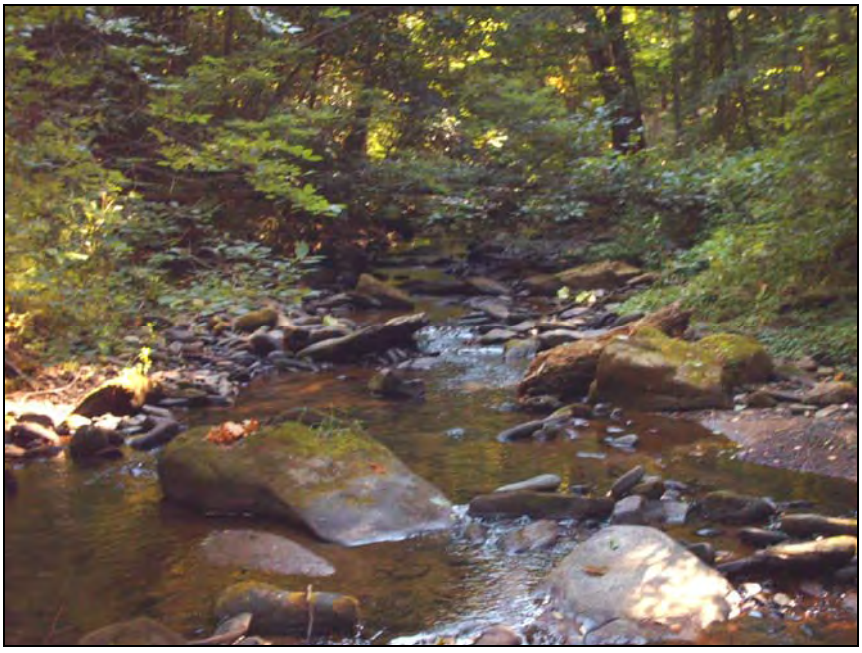

Photo 6: Bee Tree Creek near its confluence with Gregg Branch.

Photo 7: Lower reach of Gregg Branch, between confluence with Bee Tree Creek and access road.

Photo 8: Dry stream bed in tributary of Gregg Branch near the Acid Pits.

Photo 9: Central fork of the Forked Tributary to Gregg Branch, which has clay bed.

Photo 10: Example of large pool on downstream side of a culvert.

Photo 11: Unnamed Branch, just upstream of main access road crossing near Building 140.

Checklist For Ecological Assessment Sampling

(USEPA 1997)

APPENDIX A - CHECKLIST FOR ECOLOGICAL ASSESSMENT/SAMPLING

Note that "Appendix A" designation as noted above is from the source document form USEPA. It is being used as "Appendix B" for this Chemtronics Work Plan. USEPA. 1997. Ecological Risk Assessment Guidance for Superfund. Superfund Program Representative Sampling Guidance. Volume 3: Biological. Interim Final. http://www.epa.gov/oswer/riskassessment/ecorisk/pdf/appb.pdf

Introduction

The checklist that follows provides guidance in making observations for an ecological assessment. It is not intended for limited or emergency response actions (e.g., removal of a few drums) or for purely industrial settings with no discharges. The checklist is a screening tool for preliminary site evaluation and may also be useful in planning more extensive site investigations. It must be completed as thoroughly as time allows. The results of the checklist will serve as a starting point for the collection of appropriate biological data to be used in developing a response action. It is recognized that certain questions in this checklist are not universally applicable and that site-specific conditions will influence interpretation. Therefore, a site synopsis is requested to facilitate final review of the checklist by a trained ecologist.

Checklist

The checklist has been divided into sections that correspond to data collection methods and ecosystem types. These sections are:

I. Site Descriptic USEPA. 1997. Ecological Risk Assessment Guidance for Superfund. Superfund Program Representative Sampling Guidance. Volume 3: Biological. Interim Final. http://www.epa.gov/oswer/riskassessment/ecorisk/pdf/appb.pdf

IA. Summa

II. Terrestrial Habitat Checklist

IIA. Wooded
IIB. Shrub/Scrub
IIC. Open Field
IID. Miscellaneous

III. Aquatic Habitat Checklist -- Non-Flowing Systems

Aquatic Habitat Checklist -- Flowing Systems
Wetlands Habitat Checklist

Checklist for Ecological Assessment/Sampling

I. SITE DESCRIPTION

1. Site Name: Chemtronics

   Location: 180 Old Bee Tree Road

   County: Buncombe City: Swannanoa State: North Carolina

2. Latitude: 35.616201 Longitude: -82.433016

3. What is the approximate area of the site? 1,027 acres

4. Is this the first site visit? ☒ yes ☐ no If no, attach trip report of previous site visit(s), if available.

   Date(s) of previous site visit(s):_____.

5. Please attach to the checklist USGS topographic map(s) of the site, if available.

   Attached herein.

6. Are aerial or other site photographs available? ☒ yes ☐ no If yes, please attach any available photo(s) to the site map at the conclusion of this section.

   Attached as Figures 2-1 through 2-4 of the ERA Work Plan.

7. The land use on the site is:

_____% Urban

_____% Rural

_____% Residential

20 % Industrial (☒ light ☐ heavy)
Chemical manufacturing buildings

_____% Agricultural

(Crops:_____)

_____% Recreational

(Describe; note if it is a park, etc.)

_____

_____

80 % Undisturbed

_____% Other

The area surrounding the site is:
3 mile radius

_____% Urban

40 % Rural

_____% Residential

_____% Industrial (☐ light ☐ heavy)

_____% Agricultural

(Crops:_____)

_____% Recreational

(Describe; note if it is a park, etc.)

_____

_____

60 % Undisturbed

_____% Other

8. Has any movement of soil taken place at the site? ☒ yes ☐ no. If yes, please identify the most likely cause of this disturbance:

_____ Agricultural Use X Heavy Equipment _____ Mining

_____ Natural Events _____ Erosion X Other

Please describe:

Landfills and capping, building and road construction.

9. Do any potentially sensitive environmental areas exist adjacent to or in proximity to the site, e.g., Federal and State parks, National and State monuments, wetlands, prairie potholes? *Remember, flood plains and wetlands are not always obvious; do not answer "no" without confirming information.*

Wetlands, streams, ponds, forests.

Please provide the source(s) of information used to identify these sensitive areas, and indicate their general location on the site map.

Past site surveys and aerials show streams, ponds, and forested areas; wetlands identified during site visit. Aerial photograph and NWI (National Wetlands Inventory) map attached at the end of this section.

10. What type of facility is located at the site?

X Chemical X Manufacturing Mixing X Waste disposal

Other (specify)_____

11. What are the suspected contaminants of concern at the site? If known, what are the maximum concentration levels?

Volatile organic chemicals (VOCs), semi-volatile organic chemicals (SVOCs, including ROD-identified benzophenone and o-chlorobenzaldehyde), methanol and ethanol, perchlorate, nitroaromatics (including picric acid), pesticides, herbicides, metals (Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium , Silver, Thallium, Vanadium, Zinc), ortho-Chlorobenzylidene malononitrile (CS), 3-Quinuclidinyl benzilate (BZ), Organic Acids, and other inorganic constituents (including Ammonia, Chloride, Cyanide, Nitrate, Sulfate, and Sulfide). Maximum concentrations are unknown at this time.

12. Check any potential routes of off-site migration of contaminants observed at the site:

Swales Depressions X Drainage ditches

Runoff Windblown particulates Vehicular traffic

Other (specify) Streams

13. If known, what is the approximate depth to the water table? Unknown

14. Is the direction of surface runoff apparent from site observations? X yes no If yes, to which of the following does the surface runoff discharge? Indicate all that apply.

X Surface water Groundwater Sewer Collection impoundment

X Ponds

15. Is there a navigable waterbody or tributary to a navigable waterbody? X yes no

Bee Tree Creek feeds into the Swannanoa River.

16. Is there a waterbody anywhere on or in the vicinity of the site? If yes, also complete Section III: Aquatic Habitat Checklist -- Non-Flowing Systems and/or Section IV: Aquatic Habitat Checklist -- Flowing Systems.

☒ yes (approx. distance Onsite) ☐ no

17. Is there evidence of flooding? ☒ yes ☐ no *Wetlands and flood plains are not always obvious; do not answer "no" without confirming information.* If yes, complete Section V: Wetland Habitat Checklist.

18. If a field guide was used to aid any of the identifications, please provide a reference. Also, estimate the time spent identifying fauna. [Use a blank sheet if additional space is needed for text.]

Peterson's Guide to Trees and Shrubs and Newcomb's Wildflower Guide.
Habitat Descriptions provided in the Ecological Risk Assessment (ERA) Work Plan were based on multiple site visits.

19. Are any threatened and/or endangered species (plant or animal) known to inhabit the area of the site? ☐ yes ☒ no
If yes, you are required to verify this information with the U.S. Fish and Wildlife Service. If species' identities are known, please list them next.

There are no threatened or endangered species known to inhabit the area of the site. A detailed discussion of the potential habitat for listed species is described in the ERA Work Plan.

20. Record weather conditions at the time this checklist was prepared:

DATE: July 24th, 2008

75°F Temperature (°C/°F) 75°F Normal daily high temperature

Light, variable Wind (direction/speed) None Precipitation (rain, snow)

Clear Cloud cover

IA. SUMMARY OF OBSERVATIONS AND SITE SETTING

The text in this checklist is a summary of information provided in the Environmental Setting of the ERA Work Plan. Site photographs, figures and maps included here are duplicates of those in the ERA Work Plan (provided here in the event that this Eco Checklist may be considered as a stand alone document at some point in a review process.

The Site is comprised of 1,027 acres of mixed land use, with the majority of the Site consisting of relatively undisturbed, terrestrial habitat that is typical of the Appalachian Mountain region of North Carolina. The vast majority of the Site is not impacted by past Site operations and reflects biological communities and ecosystems typical of the North Carolina landscape. As is apparent in the Site aerial photograph and has been confirmed during Site observations, the northern portion of the Site consists of steeply- to moderately-sloped hills and valleys covered by mixed forest types, including areas dominated by oaks, hardwoods (e.g., American beech, hickories), and mixed pines. Approximately the northern one third of the Site is not traversed by streams and does not contain surface water bodies, but rather, the northern, forested portion of the Site provides the upland watershed for on-site and nearby streams. The wildlife community within the northern, forested area is likely to include forest-dwelling birds, upland forest reptiles (e.g., snake, turtle), small mammals (e.g., squirrel, opossum), deer, bear, bobcats, coyotes, turkeys, and possibly cougar. Former Site operations are not known to have occurred within the northern, forested area except that projectiles (e.g., rockets) may have been tested by discharging them over or into the northern portion of the Site. In addition, waste was disposed in pits in the northern portion of the Site (the current Disposal Areas and Acid Pits). Ground-based disturbance (e.g., roads) or development (e.g., buildings) within the northern, forested area are not apparent in historical aerial photographs or described in historical records collected to date. Except for the Treatment Buildings, structures at the Site have been demolished, though building foundations remain, and the Site is currently vacant.

Much of the habitat in the formerly active areas of the property reflects successional scrub-shrub and herbaceous vegetation characteristic of an environment where maintenance of building/operational grounds ceased and recolonization of indigenous and nuisance plant species has begun. The scrub-shrub and herbaceous areas of the Site provide habitat and food sources for passerine birds and raptors, small mammals (e.g., groundhog, rabbit), reptiles (e.g., snake, turtle), bear, turkey, and deer. Habitat within the former operational areas may have potentially received discharges of chemicals and/or been subject to physical disturbance during former activities at the Site.

The most ecologically sensitive areas of the Site are its various aquatic habitats, including streams, wetlands, and ponds. The Site is principally comprised of two small watersheds, Gregg Branch and the Unnamed Branch, both of which drain to Bee Tree Creek. Bee Tree Creek is a cobble-bed, perennial stream approximately 30 to 40 feet wide that runs along part of the Site's eastern boundary. The main stems of Gregg Branch and the Unnamed Branch are variably 5 to 10 feet wide with primarily sand- or gravel/rock dominated beds and incised banks. Some of the headwater tributaries to Gregg Branch and the Unnamed Branch are intermittent or ephemeral streams and were dry during ENVIRON's July 2008 site reconnaissance (there had been near-drought conditions in the area for some time). The stream network, where inundated, provides habitat for aquatic invertebrates, fish, and amphibians and a water source for birds and mammals. Disturbance of aquatic habitats due to former activities at the Site is variable throughout the Site. Road crossings have impacted riparian buffers and stream flow. In the front valley, aquatic habitats have been affected by direct discharges of chemicals and/or received runoff or eroded soil from disturbed upland areas.

During ENVIRON's 2008 site reconnaissance, several stream reaches were examined qualitatively for the presence of benthic invertebrates, which can be an indicator of water quality. The observations of benthic invertebrates suggest generally high water quality, as mayflies, stoneflies, and caddisflies were identified on-site, and these species comprise the USEPA's Ephemeroptera, Plecoptera, Tricoptera (EPT) Index, a community metric based on the sensitivity of these families of organisms (USEPA 1999). Water pennies were observed in the on-site streams as well, also a sensitive species whose presence is an indicator of good water quality (USEPA 1999). While the July 2008 observations are qualitative rather than quantitative, they do provide a good context for the interpretation of future results, should chemical constituents be detected in areas with such organisms.

Completed by Ryan Szuch Affiliation ENVIRON

Additional Preparers Paige Leitman, Mary Sorensen, ENVIRON

Site Manager Stuart Ryman, Altamont

Date July 24th, 2008

Send To Printer Back To TerraServer Change to 8.5x11 Print Size Remove Grid Lines Change to Landscape

USGS 12 km E of Asheville, North Carolina, United States 01 Jul 1990

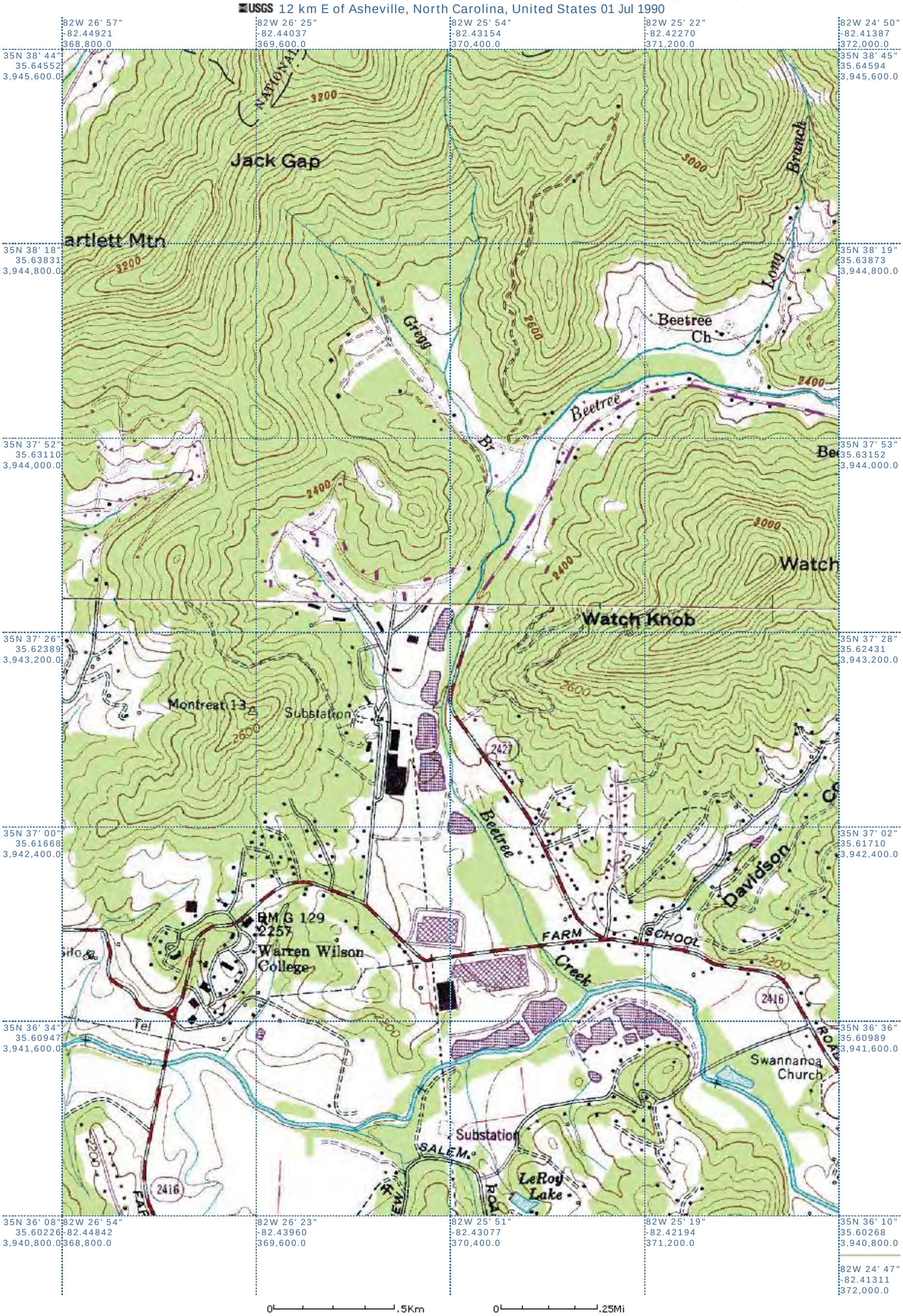

Image courtesy of the U.S. Geological Survey
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II. TERRESTRIAL HABITAT CHECKLIST

IIA. WOODED

1. Are there any wooded areas at the site? ☒ yes ☐ no If no, go to Section IIB: Shrub/Scrub.

2. What percentage or area of the site is wooded? (80 % 820 acres). Indicate the wooded area on the site map which is attached to a copy of this checklist. Please identify what information was used to determine the wooded area of the site.

   Wooded areas are visible on the aerial photo attached to the previous section.

3. What is the dominant type of vegetation in the wooded area? (Circle one: Evergreen/Deciduous/ Mixed) Provide a photograph, if available.

   Dominant plant, if known: Oak and pine trees.

4. What is the predominant size of the trees at the site? Use diameter at breast height.

   ☐ 0-6 in. ☐ 6-12 in. ☒ > 12 in.

5. Specify type of understory present, if known. Provide a photograph, if available.

   Variable depending on the portion of the sites. Understory is visible in photographs 3 and 5 - 11.

IIB. SHRUB/SCRUB

1. Is shrub/scrub vegetation present at the site? ☒yes ☐ no If no, go to Section IIC: Open Field.

2. What percentage of the site is covered by scrub/shrub vegetation? (<5 % 50 acres). Indicate the areas of shrub/scrub on the site map. Please identify what information was used to determine this area.

   Aerial photographs and site visit.

3. What is the dominant type of scrub/shrub vegetation, if known? Provide a photograph, if available.

   Invasives and pioneer/edge-dominant species like blackberry and sumac (photos 3, and 5-11).

4. What is the approximate average height of the scrub/shrub vegetation?

   ☐ 0-2 ft. ☒ 2-5 ft. ☐ > 5 ft.

5. Based on site observations, how dense is the scrub/shrub vegetation?

☐ Dense ☒ Patchy ☐ Sparse

IIC. OPEN FIELD

1. Are there open (bare, barren) field areas present at the site? ☐ yes ☐ no If yes, please indicate the type below:

   ☐ Prairie/plains ☐ Savannah ☒ Old field ☒ Other (specify) Maintained Lawn

2. What percentage of the site is open field? (5 % 50 acres). Indicate the open fields on the site map.

3. What is/are the dominant plant(s)? Provide a photograph, if available.

   Various upland herbs, forbs, and grasses.

4. What is the approximate average height of the dominant plant? 2 feet

5. Describe the vegetation cover: ☒ Dense ☐ Sparse ☒ Patchy
   Dense in several former building footprints and on caps.
   Patchy along roads.

IID. MISCELLANEOUS

1. Are other types of terrestrial habitats present at the site, other than woods, scrub/shrub, and open field? ☐ yes ☒ no
   If yes, identify and describe them below.

2. Describe the terrestrial miscellaneous habitat(s) and identify these area(s) on the site map.

3. What observations, if any, were made at the site regarding the presence and/or absence of insects, fish, birds, mammals, etc.?

Observed species: mayfly, stonefly, caddisfly, dragonfly, crayfish, lunged and gilled snails, water pennies, minnows.

There are anecdotal reports of black bears, deer, turkey, coyotes, and bobcats at the site.

Various birds, terrestrial insects, and other small animals were observed at the site.

4. Review the questions in Section I to determine if any additional habitat checklists should be completed for this site.

III. AQUATIC HABITAT CHECKLIST -- NON-FLOWING SYSTEMS

Note: Aquatic systems are often associated with wetland habitats. Please refer to Section V, Wetland Habitat Checklist.

1. What type of open-water, non-flowing system is present at the site?

   ☒ Natural (pond, lake) Could have man-made (historical) origin
   ☒ Artificially created (lagoon, reservoir, canal, impoundment)

2. If known, what is the name(s) of the waterbody(ies) on or adjacent to the site?

   Pond 1, Pond 2, Natural Pond

3. If a waterbody is present, what are its known uses (e.g.: recreation, navigation, etc.)? No human use.

4. What is the approximate size of the waterbody(ies)? 1-2 acre(s).

5. Is any aquatic vegetation present? ☒ yes ☐ no If yes, please identify the type of vegetation present if known.

   ☒ Emergent ☒ Submergent ☐ Floating

6. If known, what is the depth of the water? Unknown

7. What is the general composition of the substrate? Check all that apply.

   ☐ Bedrock ☐ Sand (coarse) ☒ Muck (fine/black)

   ☐ Boulder (>10 in.) ☐ Silt (fine) ☐ Debris

   ☐ Cobble (2.5-10 in.) ☐ Marl (shells) ☒ Detritus

   ☐ Gravel (0.1-2.5 in.) ☐ Clay (slick) ☐ Concrete

   ☐ Other (specify)_____

8. What is the source of water in the waterbody?

   ☐ River/Stream/Creek ☒ Groundwater ☒ Other (specify) Upgradient pond flows to downgradient pond via subsurface culvert.

   ☐ Industrial discharge ☒ Surface runoff

9. Is there a discharge from the site to the waterbody? ☒ yes ☐ no If yes, please describe this discharge and its path.

Non-point-source overland flow.

10. Is there a discharge from the waterbody? ☐ yes ☐ no If yes, and the information is available, identify from the list below the environment into which the waterbody discharges.

☐ River/Stream/Creek	☐ onsite	☐ offsite	Distance_____
☒ Groundwater	☒ onsite	☒ offsite	The ponds appear to discharge to GW, and then possibly into Bee Tree Creek and/or off-site ponds.
☐ Wetland	☐ onsite	☐ offsite	Distance_____
☐ Impoundment	☐ onsite	☐ offsite	

11. Identify any field measurements and observations of water quality that were made. For those parameters for which data were collected provide the measurement and the units of measure below: No field measurements.

_____ Area

_____ Depth (average)

_____ Temperature (depth of the water at which the reading was taken) _____

_____ pH

_____ Dissolved oxygen

_____ Salinity

_____ Turbidity (clear, slightly turbid, turbid, opaque) (Secchi disk depth _____)

_____ Other (specify)

12. Describe observed color and area of coloration.

No unusual coloration.

13. Mark the open-water, non-flowing system on the site map attached to this checklist.

See aerial photos.

14. What observations, if any, were made at the waterbody regarding the presence and/or absence of benthic macroinvertebrates, fish, birds, mammals, etc.?

o Pond 1 – a surface water body, expected to be groundwater fed and fed by overflow from Pond 2; contains various algae and submerged vegetation; fish, minnows, and aquatic invertebrates were observed (Photograph 1).
o Pond 2 – a surface water body, expected to be groundwater fed; contains various algae and submerged vegetation; bluegills and minnows observed (Photograph 2).
o Pond 2 Lacustrine Wetlands – wetlands influenced by the hydrology of Pond 2, consisting of emergent, herbaceous vegetation (Photograph 3).
o "Natural Pond" – a small surface water body located near Gregg Branch confluence with Bee Tree Creek; approximately 50 percent of the surface area is vegetated with emergent, herbaceous vegetation with minnows observed (Photograph 4); bermed sides were also observed but the source of the berm source is not known.
o Vernal Pools – several observed in vicinity of Natural Pond, some dry and some holding water; shallow depth with no vegetation- observed.
o Building 143 Potential Wetland Area – very small wet area located in vicinity of former Building 143 footprint (less than 25 feet in diameter); vegetation community dominated by rushes and sedges; vigor of plants during drought indicative of groundwater fed wetland (Photograph 5).

IV. AQUATIC HABITAT CHECKLIST -- FLOWING SYSTEMS

Note: Aquatic systems are often associated with wetland habitats. Please refer to Section V, Wetland Habitat Checklist.

1. What type(s) of flowing water system(s) is (are) present at the site?

☐ River	☒ Stream	☐ Creek
☐ Dry wash	☐ Arroyo	☐ Brook
☐ Artificially created (ditch, etc.)	☒ Intermittent Stream	☐ Channeling
	☐ Other (specify)_____	

2. If known, what is the name of the waterbody? Bee Tree Creek, Gregg Branch

3. For natural systems, are there any indicators of physical alteration (e.g., channeling, debris, etc.)?
☒ yes ☐ no If yes, please describe indicators that were observed.
Limited evidence of channelization and several road crossings/culverts.

4. What is the general composition of the substrate? Check all that apply.

☐ Bedrock	☒ Sand (coarse)	☐ Muck (fine/black)
☐ Boulder (>10 in.)	☐ Silt (fine)	☐ Debris
☒ Cobble (2.5-10 in.)	☐ Marl (shells)	☐ Detritus
☒ Gravel (0.1-2.5 in.)	☐ Clay (slick)	☐ Concrete
☐ Other (specify)_____		

5. What is the condition of the bank (e.g., height, slope, extent of vegetative cover)?

Mostly vegitated, in some cases steep and slightly erosive (most frequently near road crossings).

6. Is the system influenced by tides? ☐ yes ☒ no What information was used to make this determination?

Water bodies are too small and too far inland.

7. Is the flow intermittent? ☒ yes ☐ no If yes, please note the information that was used in making this determination.

During the site visit, several upper tributaries were dry and the site had been experiencing near-drought conditions for some time.

8. Is there a discharge from the site to the waterbody? ☒ yes ☐ no If yes, please describe the discharge and its path.

Groundwater and overland flow into the stream network.

9. Is there a discharge from the waterbody? ☒ yes ☐ no If yes, and the information is available, please identify what the waterbody discharges to and whether the discharge is on site or off site.

Bee Tree Creek continues offsite.

10. Identify any field measurements and observations of water quality that were made. For those parameters for which data were collected, provide the measurement and the units of measure in the appropriate space below: No field measurements.

_____ Width (ft.)

_____ Depth (ft.)

_____ Velocity (specify units):_____

_____ Temperature (depth of the water at which the reading was taken_____)

_____ pH

_____ Dissolved oxygen

_____ Salinity

_____ Turbidity (clear, slightly turbid, turbid, opaque)
(Secchi disk depth _____)

_____ Other (specify)_____

11. Describe observed color and area of coloration.

No unusual coloration.

12. Is any aquatic vegetation present? ☒ yes ☐ no If yes, please identify the type of vegetation present, if known.

☒ Emergent ☐ Submergent ☐ Floating

Minimal vegetation - mostly unvegetated.

13. Mark the flowing water system on the attached site map.

See aerial photos.

14. What observations were made at the waterbody regarding the presence and/or absence of benthic macroinvertebrates, fish, birds, mammals, etc.?

o Bee Tree Creek (near the confluence with Gregg Branch)
- Observed species: mayfly, stonefly, caddisfly, crayfish, lunged-snails, and water penny.
o Bee Tree Creek (near the confluence with Unnamed Branch)
- Observed species: mayfly, stonefly, caddisfly, dragonfly, water penny, and crayfish.
o Gregg Branch (between Bee Tree Creek and nearest access road)
- Observed species: mayfly, stonefly, caddisfly, crayfish, lunged-snails, and minnows.
o Gregg Branch Tributary (western-most of three forks in Forked Tributary to Gregg Branch)
- Observed species: gilled snails, caddisfly
o Unnamed Branch (near access road at Building 140)
- Observed species: mayfly, caddisfly, dragonfly, and gilled snails

V. WETLAND HABITAT CHECKLIST

1. Based on observations and/or available information, are designated or known wetlands definitely present at the site?
   ☒ yes ☐ no

   Please note the sources of observations and information used (e.g., USGS Topographic Maps, National Wetland Inventory, Federal or State Agency, etc.) to make this determination.

   Site observations and National Wetland Inventory map.

2. Based on the location of the site (e.g., along a waterbody, in a floodplain) and site conditions (e.g., standing water; dark, wet soils; mud cracks; debris line; water marks), are wetland habitats suspected?
   ☒ yes ☐ no If yes, proceed with the remainder of the wetland habitat identification checklist.

3. What type(s) of vegetation are present in the wetland?

   ☐ Submergent ☒ Emergent
   ☐ Scrub/Shrub ☐ Wooded

   ☐ Other (specify)_____

4. Provide a general description of the vegetation present in and around the wetland (height, color, etc.). Provide a photograph of the known or suspected wetlands, if available.

   Soft rushes, several sedge species, generally 1-2 feet high.

5. Is standing water present? ☐ yes ☒ no If yes, is this water: ☐ Fresh ☐ Brackish
   What is the approximate area of the water (sq. ft.)?_____
   Please complete questions 4, 11, 12 in Checklist III - Aquatic Habitat -- Non-Flowing Systems.

6. Is there evidence of flooding at the site? What observations were noted?

   ☐ Buttressing ☐ Water marks ☐ Mud cracks

   ☐ Debris line ☐ Other (describe below)

   No flooding. Water level seems to be driven by shallow groundwater.

7. If known, what is the source of the water in the wetland?

☐ Stream/River/Creek/Lake/Pond ☒ Groundwater

☐ Flooding ☒ Surface Runoff

8. Is there a discharge from the site to a known or suspected wetland? ☐ yes ☒ no If yes, please describe.

None known.

9. Is there a discharge from the wetland? ☒ yes ☐ no. If yes, to what waterbody is discharge released?

☐ Surface Stream/River ☒ Groundwater ☐ Lake/Pond ☐ Marine

Shallow groundwater flow - probably to nearby stream tributary.

10. If a soil sample was collected, describe the appearance of the soil in the wetland area. Circle or write in the best response. No sample collected.

Color (blue/gray, brown, black, mottled) _____

Water content (dry, wet, saturated/unsaturated) _____

11. Mark the observed wetland area(s) on the attached site map.

Aerial photo and National Wetlands Inventory maps attached.

M1-3: Threatened and Endangered Species in Buncombe County and their Potential Occurrence On-Site
Chemtronics Site - Swannanoa, NC

Taxon	Scientific Name	Common Name	State Status (a)	Federal Status (a)	County - Status	Habitat	Potential Habitat Onsite (b,c)	Potential Organism Exposures Onsite (b,d)
Arachnid	*Microhexura montivaga*	Spruce-fir moss spider	None	E	Buncombe - Current	The spruce-fir moss spider is known only from Fraser firand red spruce forest communities of the highest elevations of the southern Appalachian Mountains in western North Carolina and eastern Tennessee. The typical habitat of this spider is found in damp, but well drained, moss mats growing on rock outcrops and boulders in well shaded situations within these forests. [o]	No	No
Avian	*Thryomanes bewickii altus*	Appalachian Bewick's Wren	E	FSC	Buncombe - Historical	Uses brushy areas, thickets and scrub in open country, open and riparian woodland, and chaparral. More commonly in arid regions but locally also in humid areas. Generally occurs at higher elevations of the Appalachians in farmyards, brushy places, opening openings and edges of woodlands, and overgrown fields. Typically nests in natural tree cavities or among crannies formed by exposed roots. [e]	Not Likely	Limited, if any
Avian	*Falco peregrinus*	Peregrine Falcon	E	None	Buncombe - Current	Various open habitat where there are suitable nesting cliffs. Mountains, open forested regions, and human population centers. When not breeding, concentrates in areas where prey concentrate, including farmlands, marshes, lakeshores, river mouths, tidal flats, dunes and beaches, broad river valleys, cities, and airports. Often nests on ledge or hole on face of rocky cliff or crag. Or on river banks, tundra mounds, open bogs, large stick nests of other species, tree hollows, and man-made structures. Ideal locations include undisturbed areas with a wide view, near water, and close to plentiful prey. [e]	Potentially	Limited, if any
Avian	*Aegolius acadicus*	Southern Appalachian Northern Saw-whet Owl	T	FSC	Buncombe - Current	Dense coniferous or mixed forest, cedar groves, alder thickets, swamps, tamarack bogs; also when not breeding, in dense second growth, brushy areas, arid scrub, and open buildings. Often roosts in dense evergreens in winter, at various heights and usually close to the trunk. Nests usually in old woodpecker hole, also in other tree cavity, or in nest box. Suitable holes have diameter of 7 centimeters or more. [e]	Potentially	Limited, if any
Bivalve	*Alasmidonta raveneliana*	Appalachian Elktoe	E	E	Buncombe - Historical	The species has been reported from relatively shallow, medium-sized creeks and rivers with cool, clean, well-oxygenated, moderate- to fast-flowing water. The species is most often found in riffles, runs, and shallow flowing pools with stable sediments. [f]	Yes	Potentially

M1-3: Threatened and Endangered Species in Buncombe County and their Potential Occurrence On-Site
Chemtronics Site - Swannanoa, NC

Taxon	Scientific Name	Common Name	State Status (a)	Federal Status (a)	County - Status	Habitat	Potential Habitat Onsite (b,c)	Potential Organism Exposures Onsite (b,d)
Bivalve	*Epioblasma florentina walkeri*	Tan Riffleshell	None	E	Buncombe - Historical and Obscure	Found in headwaters, riffles, and shoals in sand and gravel substrates.[e]	Not Likely	Potentially
Fish	*Percina burtoni*	Blotchside Logperch	E	FSC	Buncombe - Historical	Habitat is primarily large creeks and small to medium rivers with moderate gradient and usually clear water; substrates vary but usually consist of gravel and boulders, cobble, or rubble lacking major siltation. This species usually avoids turbid water and silty substrates, and it apparently is intolerant of reservoir conditions. Spawning occurs probably on loose clean gravel in moderate to strong flow.[e]	Not Likely	Not Likely
Fish	*Polyodon spathula*	Paddlefish	E	FSC	Buncombe - Historical	Slow-flowing water of large and medium-sized rivers, river-margin lakes, channels, oxbows, backwaters, impoundments with access to spawning areas. Prefers depths greater than 1.5 meters. including significant tailwater sections below upstream impoundments.[e]	No	No
Fish	*Erimonax monachus*	Spotfin Chub	T	T	Buncombe - Historical	Habitat includes cool and warm, typically clear, large creeks or medium-sized rivers of moderate gradient, in upland and mountain areas, generally in or near moderate and swift currents over gravel to bedrock, rarely over sand or silt. Breeding sites occur in moderate current of shallow portions of runs, in areas strewn with unsilted rubble and boulders.[e]	Not Likely	Not Likely
Lichen	*Gymnoderma lineare*	Rock Gnome Lichen	E	E	Buncombe - Current	Habitat includes high elevation rock outcrops and outcrops in humid gorges.[n]	No	No
Mammal	*Glaucomys sabrinus coloratus*	Carolina Northern Flying Squirrel	E	E	Buncombe - Current	Prefers coniferous and mixed forest, but will utilize deciduous woods and riparian woods. Optimal conditions have been reported as cool, moist, mature forest with abundant standing and down snags. Often most abundant near swamps or streams. Prefers cavities in mature trees as den sites.[e]	Potentially	Not Likely
Mammal	*Myotis grisescens*	Gray Myotis	E	E	Buncombe - Current	Gray bats are cave residents year-round, although different caves are usually occupied in summer and winter. Few have been found roosting outside caves. They hibernate primarily in deep vertical caves with large rooms acting as cold air traps.[f]	No	No
Mammal	*Corynorhinus rafinesquii rafinesquii*	Rafinesque's Big-eared Bat - Mountain Subspecies	T	FSC	Buncombe - Historical	This is a bat of forested regions. Hibernation in mountainous regions most often occurs in small caves, hollow trees, or abandoned buildings. Summer roosts often are under bridges, cisterns, wells, buildings, in hollow trees, occasionally under loose bark, or in abandoned buildings in or near wooded areas.[e]	Yes	Limited, if any

M1-3: Threatened and Endangered Species in Buncombe County and their Potential Occurrence On-Site
Chemtronics Site - Swannanoa, NC

Taxon	Scientific Name	Common Name	State Status (a)	Federal Status (a)	County - Status	Habitat	Potential Habitat Onsite (b,c)	Potential Organism Exposures Onsite (b,d)
Plant	*Celastrus scandens*	American Bittersweet	E	None	Buncombe - Current	Habitat includes cove forests and rich woods.[n]	No	No
Plant	*Solidago spithamaea*	Blue Ridge Goldenrod	T	T	Buncombe - Current	Habitat includes high elevation rocky summits.[n]	No	No
Plant	*Trifolium reflexum*	Buffalo Clover	T	None	Buncombe - Historical	Habitat includes open woods and clearings.[n]	Potentially	Limited, if any
Plant	*Sagittaria fasciculata*	Bunched Arrowhead	E	E	Buncombe - Historical	Seepage areas with very low water flow and no stagnation; soils are sandy loams overlain by muck l0-24 inches deep; some shade is beneficial.[f]	Not Likely	Not Likely
Plant	*Calamagrostis cainii*	Cain's Reed Grass	E	FSC	Buncombe - Current	Occurs in seepages along small streams or near gently sloping bogs underlain by a clay layer. The continuous flow of unconfined ground water, with temperatures between 57 and 67 degrees F, in areas of nutrient poor soil appear to be the most common enviroment.[g]	Not Likely	No
Plant	*Euphorbia commutata*	Cliff Spurge	T	None	Buncombe - Current	Habitat includes thin soil around mafic or calcareous outcrops.[n]	No	No
Plant	*Crocanthemum propinquum*	Creeping Sunrose	T	None	Buncombe - Historical	Habitat includes rock outcrops and glades.[n]	No	No
Plant	*Packera millefolium*	Divided-leaf Ragwort	T	FSC	Buncombe - Current	Found mostly on dry, granite outcrops and rocky glades in the “high” mountains (above 3,000 feet); and, at least in Virginia, on limestone glades at much lower elevations.[h]	Yes	No
Plant	*Lysimachia fraseri*	Fraser's Loosestrife	E	FSC	Buncombe - Historical	Occupies a variety of habitats that are maintained by natural or anthropogenic disturbances including edges of rock outcrops, roadsides, and borders of streams. Also found in alluvial meadows, mesic woods, sunny rocky slopes, sandy stream banks, stream terraces, and moist pastures, and may occasionally occur in swamps.[i]	Potentially	Limited, if any
Plant	*Trichostema brachiatum*	Glade Bluecurls	E	None	Buncombe - Current	Habitat includes diabase glades and other dry calcareous or mafic outcrops.[n]	No	No
Plant	*Lilium grayi*	Gray's Lily	T	FSC	Buncombe - Current	Grassy balds, openings in red spruce/Fraser fir forests, moist hardwood bogs, seeps, and meadows at lower elevations.[j]	No	No
Plant	*Arabis pycnocarpa var. adpressipilis*	Hairy Rockcress	E	None	Buncombe - Current	Habitat includes thin soils around basic rock outcrops.[n]	No	No
Plant	*Platanthera grandiflora*	Large Purple-fringed Orchid	T	None	Buncombe - Current	Habitat includes bogs, seeps, grassy balds, and high elevation moist forests and banks.[n]	No	No
Plant	*Parnassia grandifolia*	Large-leaved Grass-of-parnassus	T	FSC	Buncombe - Historical	Wet calcareous soil in the mountains; herbaceous seepage areas.[k]	Potentially	Limited, if any

M1-3: Threatened and Endangered Species in Buncombe County and their Potential Occurrence On-Site
Chemtronics Site - Swannanoa, NC

Taxon	Scientific Name	Common Name	State Status (a)	Federal Status (a)	County - Status	Habitat	Potential Habitat Onsite (b,c)	Potential Organism Exposures Onsite (b,d)
Plant	*Coeloglossum viride var. virescens*	Long-bracted Frog Orchid	E	None	Buncombe - Historical	Habitat includes seeps in cove forests.[n]	No	No
Plant	*Caltha palustris var. palustris*	Marsh-marigold	E	None	Buncombe - Historical	Habitat includes boggy sites.[n]	No	No
Plant	*Hexastylis contracta*	Mountain Heartleaf	E	FSC	Buncombe - Current	Deciduous forests with acidic soil.[k]	Yes	Not Likely
Plant	*Sarracenia jonesii*	Mountain Sweet Pitcher Plant	E	E	Buncombe - Historical	Bogs and streamsides on granite rockfaces along the Blue Ridge Divide.[f]	No	No
Plant	*Phegopteris connectilis*	Northern Beech Fern	E	None	Buncombe - Current	Habitat includes the spray zone of waterfalls, spruce-fir forests, or high elevation seepage bogs.[n]	No	No
Plant	*Buckleya distichophylla*	Piratebush	E	FSC	Buncombe - Current	Occurs in mountain woods at river banks (low elevations). Locations with periodic wildfires appear to have the healthiest populations of this species.[l]	Potentially	Not Likely
Plant	*Platanthera peramoena*	Purple Fringeless Orchid	T	None	Buncombe - Obscure	Habitat includes bogs and forests.[n]	Not Likely	Not Likely
Plant	*Filipendula rubra*	Queen-of-the-prairie	E	None	Buncombe - Historical	Queen of the prairie grows mainly in fens, calcium rich peat producing wetlands, but clones may also be found in wet woodlands and grassland seeps.[l]	No	No
Plant	*Rubus idaeus ssp. strigosus*	Red Raspberry	T	None	Buncombe - Current	Habitat includes high elevation spruce-fir forests and openings.[n]	No	No
Plant	*Gymnoderma lineare*	Rock Gnome Lichen	E	E	Buncombe - Current	On rocks in areas of high humidity either at high elevations (usually vertical cliff faces) or on boulders & large rock outcrops in deep river gorges at lower elevations.[f]	No	No
Plant	*Packera schweinitziana*	Schweinitz's Ragwort (=Senecio schweinitzianus)	T	None	Buncombe - Current	Sunny, wet areas, meadows, swamps, ditches, roadsides.[j]	Yes	Potentially
Plant	*Primula meadia*	Shooting-star	T	None	Buncombe - Current	Habitat includes mafic cliffs, dry coniferous woodlands, and associated nutrient-rich alluvial forests.[n]	No	No
Plant	*Geum radiatum*	Spreading Avens	E	E	Buncombe - Current	Open, exposed high elevation cliffs, outcrops, steep slopes and gravelly talus associated with cliffs with shallow acidic soils.[m]	No	No
Plant	*Trientalis borealis*	Starflower	E	None	Buncombe - Historical	Habitat includes coves and northern hardwood forest.[n]	No	No
Plant	*Pedicularis lanceolata*	Swamp Lousewort	T	None	Buncombe - Historical	Habitat includes bottomlands and swampy woods.[n]	Not Likely	Not Likely

M1-3: Threatened and Endangered Species in Buncombe County and their Potential Occurrence On-Site
Chemtronics Site - Swannanoa, NC

Taxon	Scientific Name	Common Name	State Status (a)	Federal Status (a)	County - Status	Habitat	Potential Habitat Onsite (b,c)	Potential Organism Exposures Onsite (b,d)
Plant	*Trillium simile*	Sweet White Trillium	T	None	Buncombe - Current	Habitat includes rich coves.[n]	No	No
Plant	*Carex trisperma*	Three-seeded Sedge	E	None	Buncombe - Current	Habitat includes bogs and wet forests at high elevations.[n]	No	No
Plant	*Spiraea virginiana*	Virginia Spiraea	T	T	Buncombe - Current	Rocky flood-scoured riverbanks in gorges or canyons.[f]	No	No
Plant	*Spiranthes ochroleuca*	Yellow Ladies'-tresses	T	None	Buncombe - Historical	Habitat includes grassy balds, meadows, and wooded slopes.[n]	Potentially	Limited, if any
Reptile	*Glyptemys muhlenbergii*	Bog Turtle	T	T (S/A)	Buncombe - Current	Bog turtles inhabit slow, shallow, muck-bottomed rivulets of sphagum bogs, calcareous fens, marshy/sedge-tussock meadows, spring seeps, wet cow pastures, and shrub swamp; the habit usually contains an abundance of sedges or mossy cover. Nests are in open and elevated graound in areas of moss, sedges, or moist earth.[e]	Yes	Limited to ponds & wetlands

E	Endangered.	T	Threatened.
FSC	Federal species of concern.	T (S/A)	Threatened due to similarity of appearance.

(a) Species of concern are only listed if the species is identified as threatened or endangerd by either the North Carolina Natural Heritage Program (NCHP)
(b) Designations are based on and the review of site-related reports and a July 24, 2008 ecological reconnaissance of the site performed by a Certified Ecologist. These
(c) Potential habitat onsite refers to the presence of habitat within the property boundaries, regardless of presence of chemicals in soil, surface water, or sediment.
(d) Potential organism exposures refers to the possibility that the habitat was identified in areas with known or suspected contamination or species have large home range
(e) http://www.natureserve.org/explorer/servlet/NatureServe
(f) http://www.fws.gov/nc-es/
(g) http://fwie.fw.vt.edu/WWW/esis/lists/e704005.htm
(h) http://www.georgiawildlife.com/assets/documents/senemi.pdf
(i) http://www.fs.fed.us/r9/wildlife/tes/ca-overview/docs/Plants/Fraysers%20Loosestrife.pdf
(j) http://www.efloras.org
(k) http://eppcapps.ky.gov/nprareplants/
(l) http://www.centerforplantconservation.org
(m) http://www.naturalheritage.state.pa.us/factsheets/14525.pdf
(n) http://portal.ncdenr.org/web/nhp/database-search

M2 Contents: SLERA Technical Supporting Materials

Table M2-1a: SLERA Soil Ecotoxicity Screening Values

Table M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Table M2-1c: SLERA Sediment Ecotoxicity Screening Values

Table M2-2a: Chemicals Listed as Bioaccumulative by USEPA 2000

Table M2-2b: Chemicals Listed as Bioaccumulative by USEPA Region 3

Table M2-2c: Chemicals Listed as Bioaccumulative by USEPA 2007

M2-1a: SLERA Soil Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Ecological Soil Screening Levels for Terrestrial Plants (mg/kg)	Ecological Soil Screening Levels for Soil Invertebrates (mg/kg)	Ecological Soil Screening Levels for Avian Wildlife (mg/kg)	Ecological Soil Screening Levels for Mammalian Wildlife (mg/kg)	Most Sensitive Ecological Soil Screening Level (mg/kg)	Source	Region 4 Screening Value (b) (mg/kg)	Region 5 Ecological Screening Value (c) (mg/kg)	Other Screening Criteria (d) (mg/kg)	Source	Final Screening-Level Criterion (e) (mg/kg)	Source
VOC	1,2,4-Trimethylbenzene	95-63-6	NA	NA	NA	NA	NA		NA	NA	2.00E+02	RIVM	2.00E+02	RIVM AS
VOC	1,2-Dichloroethane	107-06-2	NA	NA	NA	NA	NA		4.00E-01	2.12E+01			4.00E-01	R4
VOC	1,3,5-Trimethylbenzene	108-67-8							NA	NA	2.00E+02	RIVM 124TMB	2.00E+02	RIVM 124TMB
VOC	2-Butanone	78-93-3	NA	NA	NA	NA	NA		NA	8.96E+01			8.96E+01	R5
VOC	2-Hexanone	591-78-6	NA	NA	NA	NA	NA		NA	1.26E+01			1.26E+01	R5
VOC	Acetone	67-64-1	NA	NA	NA	NA	NA		NA	2.50E+00			2.50E+00	R5
VOC	Benzene	71-43-2	NA	NA	NA	NA	NA		5.00E-02	2.55E-01			5.00E-02	R4
VOC	cis-1,2-Dichloroethene	156-59-2	NA	NA	NA	NA	NA		NA	NA			7.84E-01	R5 t12DCE
VOC	Cumene	98-82-8	NA	NA	NA	NA	NA		NA	NA	2.00E+02	RIVM	2.00E+02	RIVM AS
VOC	Cyclohexane	110-82-7	NA	NA	NA	NA	NA		1.00E-01	NA			1.00E-01	R4
VOC	Cyclohexanone	108-94-1	NA	NA	NA	NA	NA		1.00E-01	NA			1.00E-01	R4
VOC	Ethyl Benzene	100-41-4	NA	NA	NA	NA	NA		5.00E-02	5.16E+00			5.00E-02	R4
VOC	Methyl Acetate	79-20-9	NA	NA	NA	NA	NA		NA	NA	7.50E+01	RIVM	7.50E+01	RIVM EA
VOC	Methylcyclohexane	108-87-2							NA	NA	2.00E+00	R4 MCl	2.00E+00	R4 MCl
VOC	Methylene Chloride	75-09-2	NA	NA	NA	NA	NA		2.00E+00	4.05E+00			2.00E+00	R4
VOC	Naphthalene	91-20-3							1.00E-01	9.94E-02	2.90E+01	LMW PAH EcoSSL	2.90E+01	LMW PAH EcoSSL
VOC	n-Butylbenzene	104-51-8							NA	NA	2.00E+02	R4 DMP	2.00E+02	R4 DMP
VOC	n-Propyl benzene	103-65-1							NA	NA	2.00E+02	R4 DMP	2.00E+02	R4 DMP
VOC	p-Cymene	99-87-6	NA	NA	NA	NA	NA		NA	NA	2.00E+02	RIVM	2.00E+02	RIVM AS
VOC	sec-Butylbenzene	135-98-8							NA	NA	2.00E+02	R4 DMP	2.00E+02	R4 DMP
VOC	Styrene	100-42-5	NA	NA	NA	NA	NA		1.00E-01	4.69E+00			1.00E-01	R4
VOC	tert Butyl alcohol	75-65-0	NA	NA	NA	NA	NA		NA	NA	3.00E+01	RIVM	3.00E+01	RIVM BA
VOC	tert-Butylbenzene	98-06-6							NA	NA	2.00E+02	R4 DMP	2.00E+02	R4 DMP
VOC	Tetrachloroethene	127-18-4	NA	NA	NA	NA	NA		1.00E-02	9.92E+00			1.00E-02	R4
VOC	Toluene	108-88-3	NA	NA	NA	NA	NA		5.00E-02	5.45E+00			5.00E-02	R4
VOC	trans-1,2-Dichloroethene	156-60-5	NA	NA	NA	NA	NA		NA	7.84E-01			7.84E-01	R5
VOC	Trichloroethene	79-01-6	NA	NA	NA	NA	NA		1.00E-03	1.24E+01			1.00E-03	R4
VOC	Vinyl Chloride	75-01-4	NA	NA	NA	NA	NA		1.00E-02	6.46E-01			1.00E-02	R4
VOC	Xylenes (total)	1330-20-7							5.00E-02	1.00E+01			5.00E-02	R4
SVOC	1,2-Diphenylhydrazine	122-66-7	NA	NA	NA	NA	NA		NA	NA			NA	
SVOC	1,2-Diphenylhydrazine	122-66-7							NA	NA	6.00E+01	R4 11BP	6.00E+01	R4 11BP
SVOC	1-Methylnaphthalene	90-12-0							NA	NA	3.24E+00	R5 2MN	3.24E+00	R5 2MN
SVOC	2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	NA		1.00E+01	9.94E+00			1.00E+01	R4
SVOC	2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	NA		NA	1.28E+00	2.00E+01	Exp EcoSSL	1.28E+00	R5
SVOC	2-Chlorobenzaldehyde	89-98-5	NA	NA	NA	NA	NA		NA	NA			NA	
SVOC	2-Chlorobenzalmalononitrile	2698-41-1	NA	NA	NA	NA	NA		NA	NA	1.00E+00	NCEA (perchlorate)	1.00E+00	NCEA (perchlorate)
SVOC	2-Methyl naphthalene	91-57-6							NA	3.24E+00			3.24E+00	R5
SVOC	3-Nitroaniline	99-09-2	NA	NA	NA	NA	NA		NA	3.16E+00			3.16E+00	R5
SVOC	4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	NA		NA	7.95E+00			7.95E+00	R5
SVOC	Acenaphthene	83-32-9							2.00E+01	6.82E+02	2.90E+01	LMW PAH EcoSSL	2.90E+01	LMW PAH EcoSSL
SVOC	Acenaphthylene	208-96-8							NA	6.82E+02	2.90E+01	LMW PAH EcoSSL	2.90E+01	LMW PAH EcoSSL
SVOC	Acetophenone	98-86-2	NA	NA	NA	NA	NA		NA	3.00E+02			3.00E+02	R5
SVOC	Aniline	62-53-3	NA	NA	NA	NA	NA		NA	5.68E-02			5.68E-02	R5
SVOC	Anthracene	120-12-7	NA	NA	NA	NA	NA		1.00E-01	1.48E+03			1.00E-01	R4
SVOC	Benzo(a)anthracene	56-55-3							NA	5.21E+00	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Benzo(a)pyrene	50-32-8							1.00E-01	1.52E+00	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Benzo(b)fluoranthene	205-99-2							NA	5.98E+01	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Benzo(g,h,i)perylene	191-24-2							NA	1.19E+02	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Benzo(k)fluoranthene	207-08-9							NA	1.48E+02	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Benzoic Acid	65-85-0	NA	NA	NA	NA	NA		NA	NA			NA	
SVOC	Benzoic acid	65-85-0							NA	NA	9.25E-01	R5 b2EHP	9.25E-01	R5 b2EHP
SVOC	Benzophenone	119-61-9	NA	NA	NA	NA	NA		NA	NA			NA	
SVOC	Benzophenone	119-61-9							NA	NA	9.25E-01	R5 b2EHP	9.25E-01	R5 b2EHP
SVOC	Biphenyl	92-52-4	NA	NA	NA	NA	NA		6.00E+01	NA			6.00E+01	R4
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	NA	NA	NA	NA	NA		NA	9.25E-01			9.25E-01	R5
SVOC	Butylbenzylphthalate	85-68-7	NA	NA	NA	NA	NA		NA	2.39E-01			2.39E-01	R5

M2-1a: SLERA Soil Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Ecological Soil Screening Levels for Terrestrial Plants (mg/kg)	Ecological Soil Screening Levels for Soil Invertebrates (mg/kg)	Ecological Soil Screening Levels for Avian Wildlife (mg/kg)	Ecological Soil Screening Levels for Mammalian Wildlife (mg/kg)	Most Sensitive Ecological Soil Screening Level (mg/kg)	Source	Region 4 Screening Value (b) (mg/kg)	Region 5 Ecological Screening Value (c) (mg/kg)	Other Screening Criteria (d) (mg/kg)	Source	Final Screening-Level Criterion (e) (mg/kg)	Source
SVOC	Carbazole	86-74-8	NA	NA	NA	NA	NA		NA	NA			NA	
SVOC	Carbazole	86-74-8							NA	NA	9.25E-01	R5 b2EHP	9.25E-01	R5 b2EHP
SVOC	Chrysene	218-01-9							NA	4.73E+00	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	CS	2698-41-1							NA	NA			NA	
SVOC	Dibenzo(a,h)anthracene	53-70-3							NA	1.84E+01	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Dibenzofuran	132-64-9	NA	NA	NA	NA	NA		NA	NA	2.00E-03	ODEQ	2.00E-03	ODEQ
SVOC	Diethylphthalate	84-66-2	NA	NA	NA	NA	NA		1.00E+02	2.48E+01			1.00E+02	R4
SVOC	Dimethylphthalate	131-11-3	NA	NA	NA	NA	NA		2.00E+02	7.34E+02			2.00E+02	R4
SVOC	Di-n-butylphthalate	84-74-2	NA	NA	NA	NA	NA		2.00E+02	1.50E-01			2.00E+02	R4
SVOC	Fluoranthene	206-44-0							1.00E-01	1.22E+02	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	Fluorene	86-73-7							3.00E+01	1.22E+02	2.90E+01	LMW PAH EcoSSL	2.90E+01	LMW PAH EcoSSL
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5							NA	1.09E+02	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
SVOC	ortho-Chlorobenzaldehyde	89-98-5							NA	NA			NA	
SVOC	PAHs HMW	130498-29-2H	NA	1.80E+01	NA	1.10E+00	1.10E+00	Mammals	NA	NA			1.10E+00	EcoSSL
SVOC	PAHs LMW	130498-29-2L	NA	2.90E+01	NA	1.00E+02	2.90E+01	Invertebrates	NA	NA			2.90E+01	EcoSSL
SVOC	PAHs Total	130498-29-2	NA	NA	NA	NA	NA		1.00E+00	NA			1.00E+00	R4
SVOC	Phenanthrene	85-01-8							1.00E-01	4.57E+01	2.90E+01	LMW PAH EcoSSL	2.90E+01	LMW PAH EcoSSL
SVOC	Phenol	108-95-2	NA	NA	NA	NA	NA		5.00E-02	1.20E+02			5.00E-02	R4
SVOC	Pyrene	129-00-0							1.00E-01	7.85E+01	1.80E+01	HMW PAH EcoSSL	1.80E+01	HMW PAH EcoSSL
PEST	2,4,5-T	93-76-5	NA	NA	NA	NA	NA		NA	5.96E-01			5.96E-01	R5
PEST	4,4'-DDD	72-54-8	NA	NA	NA	NA	NA		NA	7.58E-01			7.58E-01	R5
PEST	4,4'-DDE	72-55-9	NA	NA	NA	NA	NA		NA	5.96E-01			5.96E-01	R5
PEST	4,4'-DDT	50-29-3	NA	NA	9.30E-02	2.10E-02	2.10E-02	Mammals	NA	3.50E-03			2.10E-02	EcoSSL
PEST	Aldrin	309-00-2	NA	NA	NA	NA	NA		2.50E-03	3.32E-03			2.50E-03	R4
PEST	beta-BHC	319-85-7	NA	NA	NA	NA	NA		1.00E-03	3.98E-03			1.00E-03	R4
PEST	Chlordane (total)	57-74-9	NA	NA	NA	NA	NA		NA	2.24E-01			2.24E-01	R5
PEST	delta-BHC	319-86-8	NA	NA	NA	NA	NA		NA	9.94E+00			9.94E+00	R5
PEST	Dieldrin	60-57-1	NA	NA	2.20E-02	4.90E-03	4.90E-03	Mammals	5.00E-04	2.38E-03			4.90E-03	EcoSSL
PEST	Endosulfan	115-29-7	NA	NA	NA	NA	NA		NA	1.19E-01			1.19E-01	R5 Endosulfan 1
PEST	Endosulfan sulfate	1031-07-8	NA	NA	NA	NA	NA		NA	3.58E-02			3.58E-02	R5
PEST	Endrin	72-20-8	NA	NA	NA	NA	NA		1.00E-03	1.01E-02			1.00E-03	R4
PEST	Endrin aldehyde	7421-93-4	NA	NA	NA	NA	NA		NA	1.05E-02			1.05E-02	R5
PEST	gamma-BHC	58-89-9	NA	NA	NA	NA	NA		5.00E-05	5.00E-03			5.00E-05	R4
PEST	Heptachlor epoxide	1024-57-3	NA	NA	NA	NA	NA		NA	1.52E-01			1.52E-01	R5
PEST	Methoxychlor	72-43-5	NA	NA	NA	NA	NA		NA	1.99E-02			1.99E-02	R5
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	NA	NA	NA	NA	NA		NA	3.76E-01	1.80E+01	Exp EcoSSL	3.76E-01	R5
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	NA	NA	NA	NA	NA		NA	6.55E-01			6.55E-01	R5
Nitroaromatics	1,4-Dinitrobenzene	100-25-4							NA	NA	6.55E-01	R5 13TNB	6.55E-01	R5 13TNB
Nitroaromatics	1-Nitronaphthalene	86-57-7	NA	NA	NA	NA	NA		NA	NA			NA	
Nitroaromatics	1-Nitronaphthalene	86-57-7							NA	NA			NA	
Nitroaromatics	2,4,6-Trinitrophenylmethylnitramine (	479-45-8	NA	NA	NA	NA	NA		NA	NA	1.60E+01	Exp EcoSSL	1.60E+01	Exp EcoSSL TNT
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	NA	NA	NA	NA	NA		NA	NA	1.60E+01	Exp EcoSSL	1.60E+01	Exp EcoSSL
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	NA	NA	NA	NA	NA		NA	NA			1.28E+00	R5 24DNT
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	NA	NA	NA	NA	NA		NA	NA			1.28E+00	R5 24DNT
Nitroaromatics	HMX	2691-41-0	NA	NA	NA	NA	NA		NA	NA	6.00E+02	Exp EcoSSL	6.00E+02	Exp EcoSSL
Nitroaromatics	RDX	121-82-4	NA	NA	NA	NA	NA		NA	NA	9.90E+01	Exp EcoSSL	9.90E+01	Exp EcoSSL
NHO	Picric acid	88-89-1	NA	NA	NA	NA	NA		NA	NA	1.60E+01	Exp EcoSSL	1.60E+01	Exp EcoSSL TNT
INORG	Aluminum	7429-90-5	NA	NA	NA	NA	NA		5.00E+01	NA			5.00E+01	R4
INORG	Antimony	7440-36-0	NA	7.80E+01	NA	2.70E-01	2.70E-01	Mammals	3.50E+00	1.42E-01			2.70E-01	EcoSSL
INORG	Arsenic	7440-38-2	1.80E+01	NA	4.30E+01	4.60E+01	1.80E+01	Plants	1.00E+01	5.70E+00			1.80E+01	EcoSSL
INORG	Barium	7440-39-3	NA	3.30E+02	NA	2.00E+03	3.30E+02	Invertebrates	1.65E+02	1.04E+00			3.30E+02	EcoSSL
INORG	Beryllium	7440-41-7	NA	4.00E+01	NA	2.10E+01	2.10E+01	Mammals	1.10E+00	1.06E+00			2.10E+01	EcoSSL
INORG	Boron	7440-42-8	NA	NA	NA	NA	NA		5.00E-01	NA			5.00E-01	R4
INORG	Cadmium	7440-43-9	3.20E+01	1.40E+02	7.70E-01	3.60E-01	3.60E-01	Mammals	1.60E+00	2.22E-03			3.60E-01	EcoSSL
INORG	Chromium (total)	7440-47-3	NA	NA	2.60E+01	3.40E+01	2.60E+01	Birds	4.00E-01	4.00E-01			2.60E+01	EcoSSL
INORG	Cobalt	7440-48-4	1.30E+01	NA	1.20E+02	2.30E+02	1.30E+01	Plants	2.00E+01	1.40E-01			1.30E+01	EcoSSL

M2-1a: SLERA Soil Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Ecological Soil Screening Levels for Terrestrial Plants (mg/kg)	Ecological Soil Screening Levels for Soil Invertebrates (mg/kg)	Ecological Soil Screening Levels for Avian Wildlife (mg/kg)	Ecological Soil Screening Levels for Mammalian Wildlife (mg/kg)	Most Sensitive Ecological Soil Screening Level (mg/kg)	Source	Region 4 Screening Value (b) (mg/kg)	Region 5 Ecological Screening Value (c) (mg/kg)	Other Screening Criteria (d) (mg/kg)	Source	Final Screening-Level Criterion (e) (mg/kg)	Source
INORG	Copper	7440-50-8	7.00E+01	8.00E+01	2.80E+01	4.90E+01	2.80E+01	Birds	4.00E+01	5.40E+00			2.80E+01	EcoSSL
INORG	Cyanide (total)	57-12-5	NA	NA	NA	NA	NA		9.00E-01	1.33E+00			9.00E-01	R4
INORG	Lead	7439-92-1	1.20E+02	1.70E+03	1.10E+01	5.60E+01	1.10E+01	Birds	5.00E+01	5.37E-02			1.10E+01	EcoSSL
INORG	Lithium	7439-93-2	NA	NA	NA	NA	NA		2.00E+00	NA			2.00E+00	R4
INORG	Manganese	7439-96-5	2.20E+02	4.50E+02	4.30E+03	4.00E+03	2.20E+02	Plants	1.00E+02	NA			2.20E+02	EcoSSL
INORG	Mercury	7439-97-6	NA	NA	NA	NA	NA		1.00E-01	1.00E-01			1.00E-01	R4
INORG	Molybdenum	7439-98-7	NA	NA	NA	NA	NA		2.00E+00	NA			2.00E+00	R4
INORG	Nickel	7440-02-0	3.80E+01	2.80E+02	2.10E+02	1.30E+02	3.80E+01	Plants	3.00E+01	1.36E+01			3.80E+01	EcoSSL
INORG	Perchlorate	14797-73-0	NA	NA	NA	NA	NA		NA	NA	1.00E+00	NCEA	1.00E+00	NCEA
INORG	Selenium	7782-49-2	5.20E-01	4.10E+00	1.20E+00	6.30E-01	5.20E-01	Plants	8.10E-01	2.76E-02			5.20E-01	EcoSSL
INORG	Silver	7440-22-4	5.60E+02	NA	4.20E+00	1.40E+01	4.20E+00	Birds	2.00E+00	4.04E+00			4.20E+00	EcoSSL
INORG	Strontium	7440-24-6	NA	NA	NA	NA	NA		NA	NA	3.29E+04	ODEQ	3.29E+04	ODEQ
INORG	Thallium	7440-28-0	NA	NA	NA	NA	NA		1.00E+00	5.69E-02			1.00E+00	R4
INORG	Tin	7440-31-5	NA	NA	NA	NA	NA		5.30E+01	7.62E+00			5.30E+01	R4
INORG	Titanium	7440-32-6	NA	NA	NA	NA	NA		1.00E+03	NA			1.00E+03	R4
INORG	Vanadium	7440-62-2	NA	NA	7.80E+00	2.80E+02	7.80E+00	Birds	2.00E+00	1.59E+00			7.80E+00	EcoSSL
INORG	Zinc	7440-66-6	1.60E+02	1.20E+02	4.60E+01	7.90E+01	4.60E+01	Birds	5.00E+01	6.62E+00			4.60E+01	EcoSSL

2,4,5-T	2,4,5-trichlorophenoxyacetic acid.
BHC	Benzene hexachloride.
DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
mg/kg	Milligram per kilogram.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
SLERA	Screening-level ecological risk assessment.
(a)	Minimum value among all receptor groups. USEPA. 2010. Ecological Soil Screening Levels (EcoSSLs). Source column indicates which receptor the value came from. http://www.epa.gov/ecotox/ecossl/.
(b)	USEPA Region 4. 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html.
(c)	USEPA Region 5. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
(d)	These values were only used if none of the preferred sources of screning values had a value.
(e)	Values are selected based on the following hierarchy: Federal NRWQC, the lower of NCDENR 2B and Region 4 Screening Value, Region 5 ESL, other criteria.
EcoSSL	Ecological Soil Screening Levels, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509.
Exp EcoSSL TNT	Explosives EcoSSL, TNT as a surrogate.
NCEA	USEPA. 2002. Perchlorate Environmental Contamination: Toxicological Review and Risk Characterization. NCEA-1-0503. External Review Draft. http://oaspub.epa.gov/eims/eimscomm.getfile?p_download_id=36247.
NCEA (perchlorate)	NCEA Perchlorate as a surrogate.
ODEQ	Oregon Department of Environmental Quality (ODEQ). 2001. Guidance For Ecological Risk Assessment: Levels I, II, III, IV. http://www.deq.state.or.us/lq/pubs/docs/cu/GuidanceEcologicalRisk.pdf.
PAH EcoSSL	EcoSSL criterion for PAHs.
R4	USEPA Region 4. 2001.
R4 DMP	USEPA Region 4 criterium for dimethyl phthalate used as a surrogate.
R4 MCl	USEPA Region 4 criterium for methylene chloride used as a surrogate.
R5	USEPA Region 5. 2003.
R5 13 TNB	USEPA Region 5 criterium for 13-trinitrobenzene used as a surrogate.
R5 b2EHP	USEPA Region 5 criterium for bis-2-ethylhexylphthalate used as a surrogate.
RIVM	Dutch Ministry for the Environment (RIVM). 2000. Annex A: Target Values, Soil Remediation Intervention Values and Indicative Levels For Serious Contamination. http://www2.minvrom.nl/Docs/internationaal/annexS_I2000.pdf
RIVM 124 TMB	RIVM criterium for 124-trimethylbenzene used as a surrogate.

M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	National Recommended Water Quality Criterion - chronic (a) (mg/L)	Region 4 Screening Value (b) (mg/L)	NC Freshwater "Red Book" (c) (mg/L)	Region 5 Ecological Screening Value (d) (mg/L)	Other Screening Criteria (e) (mg/L)	Source	Final Screening-Level Criterion (f) (mg/L)	Source
WQ	Chloride	16887-00-6	NA	2.30E+02	NA	NA			2.30E+02	R4
WQ	Hardness	THARD	NA	NA	NA	NA			NA	
WQ	Sulfate	14808-79-8	NA	NA	NA	NA			NA	
VOC	1,1,2-Trichloroethane	79-00-5	NA	9.40E-01	NA	5.00E-01			9.40E-01	R4
VOC	1,1-Dichloroethane	75-34-3	NA	NA	NA	4.70E-02			4.70E-02	R5
VOC	1,1-Dichloroethene	75-35-4	NA	3.03E-01	NA	6.50E-02			3.03E-01	R4
VOC	1,2,4-Trichlorobenzene	120-82-1	--	0.0449		0.03	0.024	R3	0.0449	R4
VOC	1,2,4-Trimethylbenzene	95-63-6	--	--		--	0.033	R3	0.033	R3
VOC	1,2-Dichloroethane	107-06-2	NA	2.00E+00	NA	9.10E-01			2.00E+00	R4
VOC	1,2-Dichloroethene (total)	540-59-0	--	1.35		--	0.59	R3	1.35	R4
VOC	1,2-Dichloropropane	78-87-5	NA	5.25E-01	NA	3.60E-01			5.25E-01	R4
VOC	1,3-Dichlorobenzene	541-73-1	--	0.0502		0.038	0.15	R3	0.0502	R4
VOC	2-Butanone	78-93-3	NA	NA	NA	2.20E+00			2.20E+00	R5
VOC	2-Chlorotoluene	95-49-8	--	--		--	--	--	0.175	R4 Toluene
VOC	4-Chlorotoluene	106-43-4	--	--		--	--	--	0.175	R4 Toluene
VOC	Acetone	67-64-1	NA	NA	NA	1.70E+00			1.70E+00	R5
VOC	Benzene	71-43-2	NA	5.30E-02	NA	1.14E-01			5.30E-02	R4
VOC	Carbon Tetrachloride	56-23-5	NA	3.52E-01	NA	2.40E-01			3.52E-01	R4
VOC	Chloroethane	75-00-3	NA	NA	NA	NA			1.35E+00	R4 12DCE
VOC	Chloroform	67-66-3	NA	2.89E-01	NA	1.40E-01			2.89E-01	R4
VOC	Chloromethane	74-87-3	--	5.5		--	55	R6	5.5	R4
VOC	cis-1,2-Dichloroethene	156-59-2	NA	NA	NA	NA			1.35E+00	R4 12DCE
VOC	Cyclohexane	110-82-7	NA	NA	NA	NA			NA	
VOC	Ethylbenzene	100-41-4	--	0.453		0.014	0.09	R3	0.453	R4
VOC	Methyl Acetate	79-20-9	NA	NA	NA	NA			NA	
VOC	Methyl tert-butyl ether	1634-04-4	NA	NA	NA	NA	1.11E+01	TX	1.11E+01	TX
VOC	Methylene chloride	75-09-2	--	1.93		0.94	0.0981	R3	1.93	R4
VOC	Naphthalene	91-20-3	--	0.062		0.013	0.0011	R3	0.062	R4
VOC	p-Isopropyltoluene	99-87-6	--	--		--	0.085	R3	0.085	R3
VOC	tert Butyl alcohol	75-65-0	NA	NA	NA	NA			NA	

M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	National Recommended Water Quality Criterion - chronic (a) (mg/L)	Region 4 Screening Value (b) (mg/L)	NC Freshwater "Red Book" (c) (mg/L)	Region 5 Ecological Screening Value (d) (mg/L)	Other Screening Criteria (e) (mg/L)	Source	Final Screening-Level Criterion (f) (mg/L)	Source
VOC	Tetrachloroethene	127-18-4	NA	8.40E-02	NA	4.50E-02			8.40E-02	R4
VOC	Tetrahydrofuran	109-99-9	NA	NA	NA	NA			NA	
VOC	Toluene	108-88-3	NA	1.75E-01	1.10E-02	2.53E-01			1.10E-02	NC
VOC	trans-1,2-Dichloroethene	156-60-5	NA	1.35E+00	NA	9.70E-01			1.35E+00	R4
VOC	Trichloroethene	79-01-6	NA	NA	NA	4.70E-02			4.70E-02	R5
VOC	Vinyl Chloride	75-01-4	NA	NA	NA	9.30E-01			9.30E-01	R5
VOC	Xylenes (total)	1330-20-7	--	--		0.027	0.013	R3	0.027	R5
SVOC	Benzophenone	119-61-9	--	--		--	--	--	0.175	R4 Toluene
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	--	0.0003		0.0003	0.016	R3	0.0003	R4
SVOC	PAHs (Low MW)	130498-29-2L	--	--		--	--	--	0.175	R4 Toluene
SVOC	PAHs (total)	130498-29-2	--	--		--	--	--	0.175	R4 Toluene
PEST	2,4 D	94-75-7	--	--		0.22	NC	--	0.22	R5
PEST	2,4,5-TP Silvex	93-72-1	--	--		0.03	0.03	R3	0.03	R5
PEST	4,4'-DDD	72-54-8	--	0.0000064		--	0.000011	R3	0.0000064	R4
PEST	4,4'-DDE	72-55-9	NA	1.05E-02	NA	4.51E-12			1.05E-02	R4
PEST	4,4'-DDT	50-29-3	0.000001	0.000001		0.000000011	0.0000005	R3	0.000001	NRWQC
PEST	Aldrin	309-00-2	NA	3.00E-04	2.00E-06	1.70E-05			2.00E-06	NC
PEST	beta-BHC	319-85-7	NA	5.00E+00	NA	4.95E-04			5.00E+00	R4
PEST	Chlordane (total)	57-74-9	4.30E-06	4.30E-06	4.00E-06	4.30E-06			4.30E-06	NRWQC
PEST	delta-BHC	319-86-8	NA	NA	NA	6.67E-01			6.67E-01	R5
PEST	Dieldrin	60-57-1	5.60E-05	1.90E-06	2.00E-06	7.10E-08			5.60E-05	NRWQC
PEST	Endosulfan	115-29-7	NA	NA	5.00E-05	NA			5.00E-05	NC
PEST	Endosulfan sulfate	1031-07-8	--	--		0.00222	0.000056	R6	0.00222	R5
PEST	Endrin	72-20-8	3.60E-05	2.30E-06	2.00E-06	3.60E-05			3.60E-05	NRWQC
PEST	gamma-BHC	58-89-9	NA	8.00E-05	1.00E-05	2.60E-05			1.00E-05	NC
PEST	Heptachlor	76-44-8	3.80E-06	3.80E-06	4.00E-06	3.80E-06			3.80E-06	NRWQC
Nitroaromatics	1,2-Dinitrobenzene	528-29-0	--	--		--	--	--	0.022	R5 13DNB
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	--	--		0.022	0.144	R6	0.022	R5
Nitroaromatics	1-Nitronaphthalene	86-57-7	NA	NA	NA	NA			NA	
Nitroaromatics	2-Nitrotoluene	88-72-2	--	--		--	0.88	R6	0.88	R6
Nitroaromatics	HMX	2691-41-0	NA	NA	NA	NA	1.50E-01	T2	1.50E-01	T2

M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	National Recommended Water Quality Criterion - chronic (a) (mg/L)	Region 4 Screening Value (b) (mg/L)	NC Freshwater "Red Book" (c) (mg/L)	Region 5 Ecological Screening Value (d) (mg/L)	Other Screening Criteria (e) (mg/L)	Source	Final Screening-Level Criterion (f) (mg/L)	Source
Nitroaromatics	Nitrobenzene	98-95-3	--	0.27		0.22	0.27	R6	0.27	R4
Nitroaromatics	RDX	121-82-4	NA	NA	NA	NA	1.80E-01	T2	1.80E-01	T2
Nitroaromatics	Tetryl	479-45-8	--	--		--	--	--	0.15	T2 HMX
NHO	Picric acid	88-89-1	NA	NA	NA	NA			1.00E+00	Sunahara
INORG	Aluminum	7429-90-5	8.70E-02	8.70E-02	NA	NA			8.70E-02	NRWQC
INORG	Ammonia	7664-41-7	NA	NA	NA	NA			NA	
INORG	Barium	7440-39-3	NA	NA	NA	2.20E-01			2.20E-01	R5
INORG	Cadmium	7440-43-9	0.00025	0.00066		0.00015	0.0006	R6	0.00025	NRWQC
INORG	Calcium	7440-70-2	NA	NA	NA	NA			NA	
INORG	Chromium (total)	7440-47-3	NA	NA	5.00E-02	4.20E-02			5.00E-02	NC
INORG	Cobalt	7440-48-4	--	--		0.024	0.023	R3	0.024	R5
INORG	Copper	7440-50-8	9.00E-03	6.54E-03	7.00E-03	1.58E-03			9.00E-03	NRWQC
INORG	Cyanide	57-12-5	0.0052	0.0052		0.0052	0.005	R3	0.0052	NRWQC
INORG	Iron	7439-89-6	1.00E+00	1.00E+00	1.00E+00	NA			1.00E+00	NRWQC
INORG	Lead	7439-92-1	0.0025	0.00132		0.00117	0.0025	R3	0.0025	NRWQC
INORG	Lithium	7439-93-2	--	--		--	0.014	R3	0.014	R3
INORG	Magnesium	7439-95-4	NA	NA	NA	NA	3.20E+00	TX	3.20E+00	TX
INORG	Manganese	7439-96-5	NA	NA	NA	NA	1.20E-01	T2	1.20E-01	T2
INORG	Mercury	7439-97-6	7.70E-04	1.20E-05	1.20E-05	1.30E-06			7.70E-04	NRWQC
INORG	Molybdenum	7439-98-7	--	--		--	0.073	R3	0.073	R3
INORG	Nickel	7440-02-0	0.052	0.08771		0.0289	0.052	R3	0.052	NRWQC
INORG	Nitrate	14797-55-8	NA	NA	NA	NA			NA	
INORG	Nitrite	14797-65-0	--	--		--	NC	--	NA	
INORG	Perchlorate	14797-73-0	NA	NA	NA	NA	6.00E-01	NCEA	6.00E-01	NCEA
INORG	pH	C-006	NA	NA	NA	NA			NA	
INORG	Potassium	7440-09-7	NA	NA	NA	NA			NA	
INORG	Selenium	7782-49-2	0.005	0.005		0.005	0.001	R3	0.005	NRWQC
INORG	Silver	7440-22-4	--	0.000012		0.00012	0.0032	R3	0.000012	R4
INORG	Sodium	7440-23-5	NA	NA	NA	NA			NA	
INORG	Strontium	7440-24-6	NA	NA	NA	NA	1.50E+00	T2	1.50E+00	T2
INORG	Sulfide (total)	18496-25-8	NA	NA	NA	NA			NA	
INORG	Titanium	7440-32-6	NA	NA	NA	NA	2.00E+00	BCMOE	2.00E+00	BCMOE
INORG	Vanadium	7440-62-2	NA	NA	NA	1.20E-02			1.20E-02	R5

M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	National Recommended Water Quality Criterion - chronic (a) (mg/L)	Region 4 Screening Value (b) (mg/L)	NC Freshwater "Red Book" (c) (mg/L)	Region 5 Ecological Screening Value (d) (mg/L)	Other Screening Criteria (e) (mg/L)	Source	Final Screening-Level Criterion (f) (mg/L)	Source
INORG	Zinc	7440-66-6	1.20E-01	5.89E-02	5.00E-02	6.57E-02			1.20E-01	NRWQC

--	No value.
2,4 D	2,4-Dichlorophenoxyac
BHC	Benzene hexachloride.
DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
mg/L	Milligram per liter.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
pH	pH is in standard units, not mg/kg.
SLERA	Screening-level ecological risk assessment.
(a)	USEPA. 2009. National Recommended Water Quality Criteria. 2009. http://www.epa.gov/waterscience/criteria/wqctable/.
(b)	North Carolina Department Of Environment & Natural Resources (NCDENR), Division of Water Quality. 2007. Administrative Code Section: 15A NCAC 2B .0100. Procedures for Assignment of Water Quality Standards http://portal.ncdenr.org/c/document_library/get_file?p_l_id=38446&folderId=285750&name=DLFE-8513.pdf.
(c)	USEPA Region 4. 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html.
(d)	USEPA Region 5. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels. http://www.epa.gov/reg5rcra/ca/ESL.p
(e)	These values were only used if none of the preferred sources of screning values had a value.
(f)	Values are selected based on the following hierarchy: Federal NRWQC, the lower of NCDENR 2B and Region 4 Screening Value, Region 5 ESL, other cri
BCMOE	British Columbia Ministry of the Environment (BCMOE). 2006. Science and Information Branch. Water Quality. A Compendium of Working Water Quality Guidelines for British Columbia. NK Nagpal, LW Pommen, LG Swain. http://www.env.gov.bc.ca/wat/wq/BCguidelines/working.html.
NC	NC DENR. 2007. Redbook - Surface Waters And Wetlands Standards. NC Administrative Code 15ANCAC02B.0100, 0200 & 0300. Amended Effective May 1, 2007. Last accessed March 5, 2009. http://h2o.enr.state.nc.us/admin/rules/codes_statutes.htm.
NCEA	USEPA. 2002. Perchlorate Environmental Contamination: Toxicological Review and Risk Characterization. NCEA-1-0503. External Review Draft. http://oaspub.epa.gov/eims/eimscomm.getfile?p_download_id=36247.
NRWQC	USEPA. 2006. National Recommended Water Quality Criteria. Office of Water, Office of Science and Technology.

M2-1b: SLERA Surface Water Ecotoxicity Screening Values

Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	National Recommended Water Quality Criterion - chronic (a) (mg/L)	Region 4 Screening Value (b) (mg/L)	NC Freshwater "Red Book" (c) (mg/L)	Region 5 Ecological Screening Value (d) (mg/L)	Other Screening Criteria (e) (mg/L)	Source	Final Screening-Level Criterion (f) (mg/L)	Source

R3	USEPA Region 3. 2006. EPA Region III BTAG Freshwater Screening Benchmarks. http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fw/R3_BTAG_FW_Benchmarks_07-06.pdf.
R4	USEPA Region 4. 2001.
R4 12DCE	USEPA Region 4 criterion for 1,2-dichloroethene used as a surrogate.
R4 Toluene	USEPA Region 4 criterion for toluene used as a surrogate.
R5	USEPA Region 5. 2003.
R6	Texas Natural Resource Conservation Commission. 2001. Guidance for Conducting Ecological Risk Assessments at Remediation Sites in Texas. Toxicology and Risk Assessment Section, Texas Natural Resource Conservation Commission, Austin, TX. RG-263 (revised).
Sunihara	Sunihara et al., 2009. Ecotoxicity of Explosvies.
T2	Suter, G.W. II and C.L. Tsao 1996. Toxicological benchmarks for screening potential chemicals of concern for effects on aquatic biota: 1996 revision. ES/ER/TM-96/R2. Oak Ridge National Laboratory, Oak Ridge, TN. Tier 2 Values. http://www.esd.ornl.gov/programs/ecorisk/documents/tm96r2.pdf.
TX	Texas Commission for Environmental Quality (TCEQ). 2006. Update to Guidance for Conducting Ecological Risk Assessments at Remediation Sites In Texas RG-263 (Revised). Remediation Division. http://www.tceq.state.tx.us/assets/public/remediation/eco/0106eragupdate.pdf.

M2-1c: SLERA Sediment Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Region 4 Screening Criterion (a) (mg/kg)	Region 5 Ecological Screening Level (b) (mg/kg)	Other Criterion (c) (mg/kg)	Source	Final Screening-Level Criterion (d) (mg/kg)	Source
VOC	Acetone	67-64-1	NA	9.90E-03			9.90E-03	R5
VOC	2-Butanone	78-93-3	NA	4.24E-02			4.24E-02	R5
VOC	Carbon Tetrachloride	56-23-5	NA	1.45E+00			1.45E+00	R5
VOC	Chloroform	67-66-3	NA	1.21E-01			1.21E-01	R5
VOC	cis-1,2-Dichloroethene	156-59-2	NA	NA			1.59E-01	R5
VOC	Ethyl Benzene	100-41-4	NA	1.75E-01			1.75E-01	R5
VOC	Methylene Chloride	75-09-2	NA	1.59E-01			1.59E-01	R5
VOC	Styrene	100-42-5	NA	2.54E-01			2.54E-01	R5
VOC	Tetrachloroethene	127-18-4	NA	9.90E-01			9.90E-01	R5
VOC	Trichloroethene	79-01-6	NA	1.12E-01			1.12E-01	R5
SVOC	Acenaphthene	83-32-9	3.30E-01	6.71E-03			3.30E-01	R4
SVOC	Acenaphthylene	208-96-8	3.30E-01	5.87E-03			3.30E-01	R4
SVOC	Anthracene	120-12-7	3.30E-01	5.72E-02			3.30E-01	R4
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	1.08E-01			3.30E-01	R4
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	1.50E-01			3.30E-01	R4
SVOC	Benzo(b)fluoranthene	205-99-2	NA	1.04E+01			1.04E+01	R5
SVOC	Benzo(g,h,i)perylene	191-24-2	NA	1.70E-01			1.70E-01	R5
SVOC	Biphenyl	92-52-4	NA	NA	1.10E+00	SRS	1.10E+00	SRS
SVOC	Carbazole	86-74-8	NA	NA			NA	
SVOC	2-Chlorobenzaldehyde	89-98-5	NA	NA			NA	
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	NA	NA			NA	
SVOC	Chrysene	218-01-9	3.30E-01	1.66E-01			3.30E-01	R4
SVOC	Dibenzofuran	132-64-9	NA	4.49E-01			4.49E-01	R5
SVOC	Di-n-butylphthalate	84-74-2	NA	1.11E+00			1.11E+00	R5
SVOC	Fluoranthene	206-44-0	3.30E-01	4.23E-01			3.30E-01	R4
SVOC	Fluorene	86-73-7	3.30E-01	7.74E-02			3.30E-01	R4
SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	NA	2.00E-01			2.00E-01	R5
SVOC	Benzophenone	119-61-9	NA	NA			NA	
SVOC	1-Methylnaphthalene	90-12-0	NA	NA			3.30E-01	R4
SVOC	2-Methylnaphthalene	91-57-6	3.30E-01	2.02E-02			3.30E-01	R4
SVOC	Phenanthrene	85-01-8	3.30E-01	2.04E-01			3.30E-01	R4
SVOC	Phenol	108-95-2	NA	4.91E-02			4.91E-02	R5
SVOC	Pyrene	129-00-0	3.30E-01	1.95E-01			3.30E-01	R4

M2-1c: SLERA Sediment Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Region 4 Screening Criterion (a) (mg/kg)	Region 5 Ecological Screening Level (b) (mg/kg)	Other Criterion (c) (mg/kg)	Source	Final Screening-Level Criterion (d) (mg/kg)	Source
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	NA	NA			NA	
SVOC	PAHs Total	130498-29-2	1.68E+00	NA			1.68E+00	R4
SVOC	PAHs HMW	130498-29-2H	6.55E-01	NA			6.55E-01	R4
SVOC	PAHs LMW	130498-29-2L	3.30E-01	NA			3.30E-01	R4
PEST	Aldrin	309-00-2	NA	2.00E-03			2.00E-03	R5
PEST	beta-BHC	319-85-7	NA	5.00E-03			5.00E-03	R5
PEST	delta-BHC	319-86-8	NA	7.15E+01			7.15E+01	R5
PEST	gamma-BHC	58-89-9	3.30E-03	2.37E-03			3.30E-03	R4
PEST	Chlordane (total)	57-74-9	1.70E-03	3.24E-03			1.70E-03	R4
PEST	4,4'-DDD	72-54-8	3.30E-03	4.88E-03			3.30E-03	R4
PEST	4,4'-DDE	72-55-9	3.30E-03	3.16E-03			3.30E-03	R4
PEST	4,4'-DDT	50-29-3	3.30E-03	4.16E-03			3.30E-03	R4
PEST	Endosulfan	115-29-7	NA	3.26E-03			3.26E-03	R5
PEST	Endosulfan sulfate	1031-07-8	NA	3.46E-02			3.46E-02	R5
PEST	Heptachlor epoxide	1024-57-3	NA	2.47E-03			2.47E-03	R5
PEST	Methoxychlor	72-43-5	NA	1.36E-02			1.36E-02	R5
Nitroaromatics	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	NA	NA			2.79E+01	Steevens
Nitroaromatics	1-Nitronaphthalene	86-57-7	NA	NA			NA	
Nitroaromatics	Octahydro-1,3,7,5-tetranitro-1,3,7,5-tetrazocine (HMX)	2691-41-0	NA	NA			3.93E+01	Steevens
INORG	Aluminum	7429-90-5	NA	NA	2.55E+04	NOAA-TEL	2.55E+04	NOAA-TEL
INORG	Antimony	7440-36-0	1.20E+01	NA			1.20E+01	R4
INORG	Arsenic	7440-38-2	7.24E+00	9.79E+00			7.24E+00	R4
INORG	Barium	7440-39-3	NA	NA	2.00E+02	SRS	2.00E+02	SRS
INORG	Beryllium	7440-41-7	NA	NA			NA	
INORG	Boron	7440-42-8	NA	NA			NA	
INORG	Cadmium	7440-43-9	1.00E+00	9.90E-01			1.00E+00	R4
INORG	Chromium (total)	7440-47-3	5.23E+01	4.34E+01			5.23E+01	R4
INORG	Cobalt	7440-48-4	NA	5.00E+01			5.00E+01	R5
INORG	Copper	7440-50-8	1.87E+01	3.16E+01			1.87E+01	R4
INORG	Iron	7439-89-6	NA	NA	2.00E+04	NOAA-LEL	2.00E+04	NOAA-LEL
INORG	Lead	7439-92-1	3.02E+01	3.58E+01			3.02E+01	R4

M2-1c: SLERA Sediment Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Region 4 Screening Criterion (a) (mg/kg)	Region 5 Ecological Screening Level (b) (mg/kg)	Other Criterion (c) (mg/kg)	Source	Final Screening-Level Criterion (d) (mg/kg)	Source
INORG	Lithium	7439-93-2	NA	NA			NA	
INORG	Manganese	7439-96-5	NA	NA	6.30E+02	NOAA-TEL	6.30E+02	NOAA-TEL
INORG	Mercury	7439-97-6	1.30E-01	1.74E-01			1.30E-01	R4
INORG	Nickel	7440-02-0	1.59E+01	2.27E+01			1.59E+01	R4
INORG	Perchlorate	14797-73-0	NA	NA			NA	
INORG	Selenium	7782-49-2	NA	NA	2.90E-01	NOAA-BKG	2.90E-01	NOAA-BKG
INORG	Silver	7440-22-4	2.00E+00	5.00E-01			2.00E+00	R4
INORG	Strontium	7440-24-6	NA	NA	4.90E+01	NOAA-BKG	4.90E+01	NOAA-BKG
INORG	Thallium	7440-28-0	NA	NA			NA	
INORG	Tin	7440-31-5	NA	NA	5.00E+00	NOAA-BKG	5.00E+00	NOAA-BKG
INORG	Titanium	7440-32-6	NA	NA			NA	
INORG	Vanadium	7440-62-2	NA	NA	5.00E+01	NOAA-BKG	5.00E+01	NOAA-BKG
INORG	Zinc	7440-66-6	1.24E+02	1.21E+02			1.24E+02	R4

BHC	Benzene hexachloride.
BKG	Background values for freshwater sediment.
DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
LEL	ARCS lowest effects level.
mg/kg	Milligram per kilogram.
MW	Molecular weight.
NA	Not available.
NOAA	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html
PAHs	Polycyclic aromatic hydrocarbons.
SLERA	Screening-level ecological risk assessment.
SRS	Savannah River Site Environmental Restoration Division (SRS). 1999. ERD-AG-003 Ecological Screening Values (ESVs).
Stevens	Toxicity Of The Explosives 2,4,6-Trinitrotoluene, Hexahydro-1,3,5-Trinitro-1,3,5-Triazine, And Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine In Sediments To Chironomus Tentans And Hyalella Azteca: Low-Dose Hormesis And High-Dose Mortality. Environmental Toxicology and Chemistry, Vol. 21, No. 7, pp. 1475–1482, 2002
TEL	ARCS threshold effects level.

M2-1c: SLERA Sediment Ecotoxicity Screening Values
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	Region 4 Screening Criterion (a) (mg/kg)	Region 5 Ecological Screening Level (b) (mg/kg)	Other Criterion (c) (mg/kg)	Source	Final Screening-Level Criterion (d) (mg/kg)	Source

(a) USEPA Region 4 (R4). 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html.

(b) USEPA Region 5 (R5). 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels. http://www.epa.gov/reg5rcra/ca/ESL.pdf.

(c) These values were only used if none of the preferred sources of screning values had a value.

(d) Values are selected based on the following hierarchy: Region 4 Screening Value, Region 5 ESL, other criteria.

M2-2A: Chemicals Listed as Bioaccumulative by USEPA 2000
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
35822-46-9	Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin
70648-26-9	Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran
39227-28-6	Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin
57653-85-7	Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin
57117-41-6	Dioxins/Furans	1,2,3,7,8-Pentachlorodibenzofuran
40321-76-4	Dioxins/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin
57117-31-4	Dioxins/Furans	2,3,4,7,8-Pentachlordibenzofuran
51207-31-9	Dioxins/Furans	2,3,7,8-Tetrachlorodibenzofuran
1746-01-6	Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin
7440-38-2	INORG	Arsenic
7440-43-9	INORG	Cadmium
7440-47-3	INORG	Chromium
7440-50-8	INORG	Copper
7439-92-1	INORG	Lead
22967-92-6	INORG	Methylmercury
7440-02-0	INORG	Nickel
7782-49-2	INORG	Selenium
7440-22-4	INORG	Silver
56-35-9	INORG	Tributyltin (Oxide)
7440-66-6	INORG	Zinc
12674-11-2	PCBs (Aroclors)	Aroclor 1016
11104-28-2	PCBs (Aroclors)	Aroclor 1221
11141-16-5	PCBs (Aroclors)	Aroclor 1232
53469-21-9	PCBs (Aroclors)	Aroclor 1242
12672-29-6	PCBs (Aroclors)	Aroclor 1248
11097-69-1	PCBs (Aroclors)	Aroclor 1254
11096-82-5	PCBs (Aroclors)	Aroclor 1260
11100-14-4	PCBs (Aroclors)	Aroclor 1268
37680-73-2	PCBs (Congeners)	PCB 101
32598-14-4	PCBs (Congeners)	PCB 105
31508-00-6	PCBs (Congeners)	PCB 118
57465-28-8	PCBs (Congeners)	PCB 126
38380-07-7	PCBs (Congeners)	PCB 128
35065-28-2	PCBs (Congeners)	PCB 138
35065-27-1	PCBs (Congeners)	PCB 153
38380-08-4	PCBs (Congeners)	PCB 156
32774-16-6	PCBs (Congeners)	PCB 169
35065-30-6	PCBs (Congeners)	PCB 170
37680-65-2	PCBs (Congeners)	PCB 18
35065-29-3	PCBs (Congeners)	PCB 180
52663-68-0	PCBs (Congeners)	PCB 187
52663-78-2	PCBs (Congeners)	PCB 195
40186-72-9	PCBs (Congeners)	PCB 206
2051-24-3	PCBs (Congeners)	PCB 209
7012-37-5	PCBs (Congeners)	PCB 28
41464-39-5	PCBs (Congeners)	PCB 44
35693-99-3	PCBs (Congeners)	PCB 52
32598-10-0	PCBs (Congeners)	PCB 66
32598-13-3	PCBs (Congeners)	PCB 77
34883-43-7	PCBs (Congeners)	PCB 8
70362-50-4	PCBs (Congeners)	PCB 81

M2-2A: Chemicals Listed as Bioaccumulative by USEPA 2000
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
72-54-8	PEST	4,4'-DDD
72-55-9	PEST	4,4'-DDE
50-29-3	PEST	4,4'-DDT
309-00-2	PEST	Aldrin
959-98-8	PEST	Alpha-Endosulfan
319-84-6	PEST	Alpha-Hexachlorocyclohexane (A-BHC)
319-85-7	PEST	beta-BHC
33213-65-9	PEST	Beta-Endosulfan
57-74-9	PEST	Chlordane (total)
2921-88-2	PEST	Chlorpyrifos
319-86-8	PEST	delta-BHC
333-41-5	PEST	Diazinon
115-32-2	PEST	Dicofol
60-57-1	PEST	Dieldrin
298-04-4	PEST	Disulfoton
72-20-8	PEST	Endrin
55283-68-6	PEST	Ethalfluralin
563-12-2	PEST	Ethion
76-44-8	PEST	Heptachlor
1024-57-3	PEST	Heptachlor epoxide
58-89-9	PEST	Lindane
72-43-5	PEST	Methoxychlor
2385-85-5	PEST	Mirex
1836-75-5	PEST	Nitrofen
42874-03-3	PEST	Oxyfluorfen
82-68-8	PEST	Pentachloronitrobenzene (PCNB)
52645-53-1	PEST	Permethrin
66230-04-4	PEST	S-Fenvalerate
13071-79-9	PEST	Terbufos
8001-35-2	PEST	Toxaphene
1582-09-8	PEST	Trifluralin
83-32-9	SVOC	Acenaphthene
208-96-8	SVOC	Acenaphthylene
120-12-7	SVOC	Anthracene
56-55-3	SVOC	Benzo(a)anthracene
50-32-8	SVOC	Benzo(a)pyrene
205-99-2	SVOC	Benzo(b)fluoranthene
191-24-2	SVOC	Benzo(g,h,i)perylene
207-08-9	SVOC	Benzo(k)fluoranthene
218-01-9	SVOC	Chrysene
53-70-3	SVOC	Dibenzo(a,h)anthracene
206-44-0	SVOC	Fluoranthene
86-73-7	SVOC	Fluorene
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene
1825-21-4	SVOC	Pentachloroanisole
87-86-5	SVOC	Pentachlorophenol
85-01-8	SVOC	Phenanthrene
129-00-0	SVOC	Pyrene
634-66-2	VOC	1,2,3,4-Tetrachlorobenzene
95-94-3	VOC	1,2,4,5-Tetrachlorobenzene
120-82-1	VOC	1,2,4-Trichlorobenzene

M2-2A: Chemicals Listed as Bioaccumulative by USEPA 2000
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
95-50-1	VOC	1,2-Dichlorobenzene
541-73-1	VOC	1,3-Dichlorobenzene
106-46-7	VOC	1,4-Dichlorobenzene
101-55-3	VOC	4-Bromophenyl Phenyl Ether
7005-72-3	VOC	4-Chlorophenyl Phenyl Ether
118-74-1	VOC	Hexachlorobenzene (HCB)
87-68-3	VOC	Hexachlorobutadiene
77-47-4	VOC	Hexachlorocyclopentadiene
67-72-1	VOC	Hexachloroethane
29082-74-4	VOC	Octachlorostyrene
608-93-5	VOC	Pentachlorobenzene
25322-20-7	VOC	Tetrachloroethane

Bioaccumulation Testing And Interpretation For The Purpose Of Sediment Quality Assessment Status and Needs. EPA-823-R-00-001. February 2000. Table 4-2. Important Bioaccumulative Compounds.
http://water.epa.gov/polwaste/sediments/cs/biotesting_index.cfm

DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
PCBs	Polychlorinated biphenyls.

M2-2B: Chemicals Listed as Bioaccumulative by USEPA Region 3 2012
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
1746-01-6	Dioxin/Furans	2,3,7,8-TCDD-Dioxin
51207-31-9	Dioxin/Furans	2,3,7,8-TCDF
7440-38-2	INORG	Arsenic
7440-43-9	INORG	Cadmium
7440-50-8	INORG	Copper
7439-92-1	INORG	Lead
7440-02-0	INORG	Nickel
7782-49-2	INORG	Selenium
7440-22-4	INORG	Silver
7440-22-4	INORG	Silver
688-73-3	INORG	Tributyltin
7440-66-6	INORG	Zinc
12674-11-2	PCB	Aroclor 1016
11104-28-2	PCB	Aroclor 1221
11141-16-5	PCB	Aroclor 1232
53469-21-9	PCB	Aroclor 1242
12672-29-6	PCB	Aroclor 1248
11097-69-1	PCB	Aroclor 1254
11096-82-5	PCB	Aroclor 1260
72-54-8	PEST	4,4'-DDD
72-55-9	PEST	4,4'-DDE
50-29-3	PEST	4,4'-DDT
309-00-2	PEST	Aldrin
319-85-7	PEST	beta-BHC
319-84-6	PEST	BHC, alpha
57-74-9	PEST	Chlordane (total)
2921-88-2	PEST	Chloropyrifos
319-86-8	PEST	delta-BHC
333-41-5	PEST	Diazinon
115-32-2	PEST	Dicofol (Kelthane)
60-57-1	PEST	Dieldrin
115-29-7	PEST	Endosulfan
959-98-8	PEST	Endosulfan I (a-endosulfan)
33213-65-9	PEST	Endosulfan II (b-endosulfan)
72-20-8	PEST	Endrin
76-44-8	PEST	Heptachlor
1024-57-3	PEST	Heptachlor epoxide
608-73-1	PEST	Hexachlorocyclohexanes (HCH, BHC)
77-47-4	PEST	Hexachlorocyclopentadiene
58-89-9	PEST	Lindane
72-43-5	PEST	Methoxychlor
2385-85-5	PEST	Mirex
8001-35-2	PEST	Toxaphene
634-66-2	SVOC	1,2,3,4-Tetrachlorobenzene
95-94-3	SVOC	1,2,4,5-Tetrachlorobenzene
101-55-3	SVOC	4-Bromophenyl phenyl ether
7005-72-3	SVOC	4-Chlorophenyl- phenyl ether
83-32-9	SVOC	Acenaphthene
208-96-8	SVOC	Acenaphthylene
120-12-7	SVOC	Anthracene
56-55-3	SVOC	Benzo(a)anthracene

M2-2B: Chemicals Listed as Bioaccumulative by USEPA Region 3 2012
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
50-32-8	SVOC	Benzo(a)pyrene
205-99-2	SVOC	Benzo(b)fluoranthene
191-24-2	SVOC	Benzo(g,h,i)perylene
207-08-9	SVOC	Benzo(k)fluoranthene
218-01-9	SVOC	Chrysene
53-70-3	SVOC	Dibenzo(a,h)anthracene
298-04-4	SVOC	Disulfoton
206-44-0	SVOC	Fluoranthene
86-73-7	SVOC	Fluorene
118-74-1	SVOC	Hexachlorobenzene
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene
608-93-5	SVOC	Pentachlorobenzene
82-68-8	SVOC	Pentachloronitrobenzene
87-86-5	SVOC	Pentachlorophenol
85-01-8	SVOC	Phenanthrene
108-95-2	SVOC	Phenol
129-00-0	SVOC	Pyrene
120-82-1	VOC	1,2,4-Trichlorobenzene
95-63-6	VOC	1,2,4-Trimethylbenzene
95-50-1	VOC	1,2-Dichlorobenzene
541-73-1	VOC	1,3-Dichlorobenzene
106-46-7	VOC	1,4-Dichlorobenzene
156-59-2	VOC	cis-1,2-Dichloroethene
87-68-3	VOC	Hexachlorobutadiene
67-72-1	VOC	Hexachloroethane
22967-92-6	VOC	Methylmercury

List of bioaccumulative compounds in freshwater and freshwater sediment.
http://www.epa.gov/reg3hwmd/risk/eco/index.htm

BHC	Benzene hexachloride.
DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
TCDD	Tetrachlorodibenzodioxin.
TCDF	Tetrachlorodibenzofuran.

M2-2C: Chemicals Listed as Bioaccumulative by USEPA 2007
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical
7440-36-0	INORG	Antimony
7440-38-2	INORG	Arsenic
7440-39-3	INORG	Barium
7440-41-7	INORG	Beryllium
7440-43-9	INORG	Cadmium
7440-47-3	INORG	Chromium
7440-48-4	INORG	Cobalt
7440-50-8	INORG	Copper
7439-92-1	INORG	Lead
7439-96-5	INORG	Manganese
7440-02-0	INORG	Nickel
7782-49-2	INORG	Selenium
7440-22-4	INORG	Silver
7440-62-2	INORG	Vanadium
7440-66-6	INORG	Zinc
121-82-4	Nitroaromatics	RDX
118-96-7	Nitroaromatics	TNT
72-54-8	PEST	DDD
72-55-9	PEST	DDE
50-29-3	PEST	DDT
DDx	PEST	DDT, DDD and DDE Combined
60-57-1	PEST	Dieldrin
83-32-9	SVOC	Acenaphthene
208-96-8	SVOC	Acenaphthylene
120-12-7	SVOC	Anthracene
56-55-3	SVOC	Benzo(a)anthracene
50-32-8	SVOC	Benzo(a)pyrene
205-99-2	SVOC	Benzo(b)fluoranthene
192-97-2	SVOC	Benzo(e)pyrene
191-24-2	SVOC	Benzo(ghi)perylene
207-08-9	SVOC	Benzo(k)fluoranthene
218-01-9	SVOC	Chrysene
191-07-1	SVOC	Coronene
53-70-3	SVOC	Dibenz(ah)anthracene
206-44-0	SVOC	Fluoranthene
86-73-7	SVOC	Fluorene
193-39-5	SVOC	Indeno(123 cd)pyrene
87-86-5	SVOC	Pentachlorophenol
85-01-8	SVOC	Phenanthrene
129-00-0	SVOC	Pyrene
130498-29-2H	SVOC	Total High MW PAHs
130498-29-2L	SVOC	Total Low MW PAHs
91-20-3	VOC	Naphthalene

M2-2C: Chemicals Listed as Bioaccumulative by USEPA 2007
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical

Constituents which the USEPA has provided guidance to describe uptake to higher trophic levels.
Attachment 4-1, Guidance for Developing Ecological Soil Screening Levels (Eco-SSLs). Exposure Factors and Bioaccumulation Models for Derivation of Wildlife Eco-SSLs. OSWER Directive 9285.7-55. Revised April
http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf

DDD	Dichlorodiphenyldichloroethane.
DDE	Dichlorodiphenyldichloroethylene.
DDT	Dichlordiphenyltrichloroethane.
MW	Molecular weight.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.
TNT	2,4,6-trinitrotoluene.

M3 Contents: Summary Statistics with Comparison to SLERA Criteria and GIS Coordinates

M3-1a: Summary Statistics for Soil

M3-1b: Summary Statistics for Surface Water

M3-1c: Summary Statistics for Groundwater

M3-1d: Summary Statistics for Sediment

M3-2: GIS Coordinates of Samples

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	Sitewide									
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	164	41	8.00E-03	2.20E-01	2.50E-02	0	0	25%	0.0%	0.0%
VOC	Benzene	71-43-2	5.00E-02	0	168	6	6.00E-04	1.00E-03	1.11E-03	0	0	3.6%	0.0%	0.0%
VOC	2-Butanone	78-93-3	8.96E+01	0	168	4	7.00E-03	1.90E-02	8.96E-03	0	0	2.4%	0.0%	0.0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	168	2	4.70E-01	2.80E+00	2.11E-02	0	0	1.2%	0.0%	0.0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	168	2	3.10E-01	2.10E+00	1.59E-02	0	0	1.2%	0.0%	0.0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	168	1	7.10E-01	7.10E-01	6.09E-03	0	0	0.6%	0.0%	0.0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	168	5	1.00E-03	1.10E+00	9.31E-03	0	0	3.0%	0.0%	0.0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	168	2	2.00E-03	1.50E-01	3.02E-03	1	0	1.2%	0.6%	0.0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	168	2	4.10E-02	4.20E-02	5.51E-02	0	0	1.2%	0.0%	0.0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	168	16	2.00E-03	2.90E+00	2.16E-02	0	0	9.5%	0.0%	0.0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	168	4	2.00E-03	9.00E-03	2.22E-03	0	0	2.4%	0.0%	0.0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	168	2	5.20E-02	6.00E-02	2.78E-03	0	0	1.2%	0.0%	0.0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	168	1	1.70E-02	1.70E-02	2.22E-03	0	0	0.6%	0.0%	0.0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	168	3	1.70E-01	1.30E+01	8.56E-02	3	0	1.8%	1.8%	0.0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	168	1	4.00E-03	4.00E-03	6.57E-03	0	0	0.6%	0.0%	0.0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	168	2	3.80E-01	4.90E-01	8.53E-03	0	0	1.2%	0.0%	0.0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	168	1	1.80E+00	1.80E+00	1.26E-02	0	0	0.6%	0.0%	0.0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	168	51	2.00E-03	2.10E-02	5.79E-03	0	0	30%	0.0%	0.0%
VOC	Naphthalene	91-20-3	2.90E+01	0	168	3	4.00E-03	7.60E+00	5.82E-02	0	0	1.8%	0.0%	0.0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	168	2	3.40E-01	2.00E+00	1.55E-02	0	0	1.2%	0.0%	0.0%
VOC	Styrene	100-42-5	1.00E-01	0	168	1	7.00E+00	7.00E+00	4.35E-02	1	0	0.6%	0.6%	0.0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	168	2	3.60E-02	1.40E-01	4.44E-02	0	0	1.2%	0.0%	0.0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	168	7	1.00E-03	2.70E-01	4.00E-03	3	0	4.2%	1.8%	0.0%
VOC	Toluene	108-88-3	5.00E-02	0	168	18	1.00E-03	1.80E-01	3.20E-03	1	0	11%	0.6%	0.0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	168	10	2.00E-03	6.60E-01	7.03E-03	10	0	6.0%	6.0%	0.0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	168	6	2.00E-03	1.40E+01	1.06E-01	0	0	3.6%	0.0%	0.0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	168	3	4.00E-03	1.00E+01	7.25E-02	0	0	1.8%	0.0%	0.0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	168	2	2.00E-03	7.00E-03	2.17E-03	0	0	1.2%	0.0%	0.0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	168	2	1.61E+00	7.60E+00	5.64E-02	2	0	1.2%	1.2%	0.0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	223	44	2.16E-01	2.41E+02	3.92E+00	24	0	20%	11%	0.0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	237	37	1.67E-01	1.44E+02	1.92E+00	3	0	16%	1.3%	0.0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	237	47	3.50E-01	2.94E+02	5.61E+00	28	0	20%	12%	0.0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	223	14	4.10E-02	2.60E+00	8.74E-02	0	0	6.3%	0.0%	0.0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	223	5	5.20E-02	4.30E-01	2.86E-02	0	0	2.2%	0.0%	0.0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	223	1	9.90E-02	9.90E-02	5.33E-02	0	0	0.4%	0.0%	0.0%
SVOC	Aniline	62-53-3	5.68E-02	0	217	1	2.00E+00	2.00E+00	1.42E-01	1	0	0.5%	0.5%	0.0%
SVOC	Anthracene	120-12-7	1.00E-01	0	223	20	4.80E-02	1.20E+01	1.92E-01	16	0	9.0%	7.2%	0.0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	223	34	4.40E-02	2.50E+01	4.11E-01	1	0	15%	0.4%	0.0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	223	36	4.20E-02	2.20E+01	3.76E-01	1	0	16%	0.4%	0.0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	223	36	4.70E-02	2.90E+01	4.77E-01	1	0	16%	0.4%	0.0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	223	29	4.60E-02	1.40E+01	2.58E-01	0	0	13%	0.0%	0.0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	223	27	4.90E-02	1.20E+01	2.12E-01	0	0	12%	0.0%	0.0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	222	7	2.50E-01	3.90E-01	1.38E-01	0	0	3.2%	0.0%	0.0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	223	8	4.80E-02	3.20E+00	5.13E-02	0	0	3.6%	0.0%	0.0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	223	18	9.50E-02	2.10E+00	8.18E-02	3	0	8.1%	1.3%	0.0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	223	1	3.40E-01	3.40E-01	5.45E-02	1	0	0.4%	0.4%	0.0%
SVOC	Carbazole	86-74-8	9.25E-01	0	223	15	6.50E-02	2.40E+00	9.25E-02	8	0	6.7%	3.6%	0.0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	223	2	1.20E+00	2.20E+00	6.80E-02	0	0	0.9%	0.0%	0.0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	222	10	7.10E-02	2.20E+00	4.96E-02	0	0	4.5%	0.0%	0.0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	87	4	2.50E-01	1.80E+00	1.46E-01	1	0	4.6%	0.0%	0.0%
SVOC	Chrysene	218-01-9	1.80E+01	0	223	37	4.50E-02	2.30E+01	3.95E-01	1	0	17%	0.4%	0.0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	223	16	4.30E-02	3.80E+00	8.27E-02	0	0	7.2%	0.0%	0.0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	223	13	4.40E-02	2.60E+00	6.78E-02	13	0	5.8%	5.8%	0.0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	223	2	1.00E-01	7.90E-01	5.67E-02	0	0	0.9%	0.0%	0.0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	223	2	9.30E-02	1.10E-01	5.37E-02	0	0	0.9%	0.0%	0.0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	223	5	1.10E-01	8.40E-01	6.04E-02	0	0	2.2%	0.0%	0.0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	223	1	2.50E-01	2.50E-01	2.76E-02	0	0	0.4%	0.0%	0.0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	223	42	4.70E-02	5.10E+01	8.62E-01	3	0	19%	1.3%	0.0%
SVOC	Fluorene	86-73-7	2.90E+01	0	223	14	4.90E-02	4.20E+00	9.82E-02	0	0	6.3%	0.0%	0.0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	223	27	4.40E-02	1.30E+01	2.40E-01	0	0	12%	0.0%	0.0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	223	2	1.10E-01	1.90E-01	2.77E-02	0	0	0.9%	0.0%	0.0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	223	11	4.10E-02	4.20E+01	3.57E-01	2	0	4.9%	0.9%	0.0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	223	12	4.60E-02	6.90E+01	5.65E-01	2	0	5.4%	0.9%	0.0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	219	2	1.20E-01	2.00E-01	5.43E-02	0	0	0.9%	0.0%	0.0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	223	34	4.60E-02	3.40E+01	7.79E-01	1	0	15%	0.4%	0.0%
SVOC	Phenol	108-95-2	5.00E-02	0	223	29	3.90E-02	2.50E+00	9.21E-02	26	0	13%	12%	0.0%
SVOC	Pyrene	129-00-0	1.80E+01	0	223	41	4.70E-02	4.80E+01	7.61E-01	3	0	18%	1.3%	0.0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	223	1	8.50E-02	8.50E-02	2.69E-02	0	0	0.4%	0.0%	0.0%
PEST	Aldrin	309-00-2	2.50E-03	0	48	10	2.60E-04	1.20E+01	2.59E-01	7	0	21%	15%	0.0%
PEST	beta-BHC	319-85-7	1.00E-03	0	44	5	2.20E-03	4.00E-02	2.09E-02	5	0	11%	11%	0.0%
PEST	delta-BHC	319-86-8	9.94E+00	0	46	10	5.90E-04	6.60E-02	9.91E-03	0	0	22%	0.0%	0.0%
PEST	Lindane	58-89-9	5.00E-05	0	46	10	2.40E-04	3.20E-02	4.13E-03	10	0	22%	22%	0.0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	45	17	4.30E-04	2.45E-02	5.12E-03	0	0	38%	0.0%	0.0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	46	1	1.10E-03	1.10E-03	6.13E-03	0	0	2.2%	0.0%	0.0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	46	2	1.70E-03	1.90E-03	6.18E-03	0	0	4.3%	0.0%	0.0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	46	9	9.80E-04	1.40E-02	6.83E-03	0	0	20%	0.0%	0.0%
PEST	Dieldrin	60-57-1	4.90E-03	0	46	1	5.30E-04	5.30E-04	6.12E-03	0	0	2.2%	0.0%	0.0%
PEST	Endosulfan	115-29-7	1.19E-01	0	46	27	3.20E-04	9.90E-02	3.51E-01	0	0	59%	0.0%	0.0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	46	7	4.50E-04	4.50E-01	1.63E-02	1	0	15%	2.2%	0.0%
PEST	Endrin	72-20-8	1.00E-03	0	45	5	4.20E-04	6.50E-03	6.44E-03	3	0	11%	6.7%	0.0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	46	5	7.40E-04	5.70E-01	1.82E-02	1	0	11%	2.2%	0.0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	46	11	3.10E-04	5.10E-03	3.45E-03	0	0	24%	0.0%	0.0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	46	7	3.50E-03	2.00E-01	3.71E-02	2	0	15%	4.3%	0.0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	22	3	1.00E-03	1.60E-03	6.40E-04	0	0	14%	0.0%	0.0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	227	1	7.40E-01	7.40E-01	8.46E-01	0	0	0.4%	0.0%	0.0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	227	3	1.60E-01	4.30E+00	8.82E-02	0	0	1.3%	0.0%	0.0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	227	2	3.00E-01	3.70E-01	7.63E-02	0	0	0.9%	0.0%	0.0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	227	3	2.10E-01	8.90E-01	6.88E-02	0	0	1.3%	0.0%	0.0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	227	1	7.50E-01	7.50E-01	6.56E-02	0	0	0.4%	0.0%	0.0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	226	1	1.80E-01	1.80E-01	6.31E-02	0	0	0.4%	0.0%	0.0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	246	10	1.20E-01	5.20E+03	2.13E+01	1	0	4.1%	0.4%	0.0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	227	9	2.40E-01	9.20E+00	1.58E-01	0	0	4.0%	0.0%	0.0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	246	7	4.00E-01	6.00E+02	2.61E+00	0	0	2.8%	0.0%	0.0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	227	4	2.70E-01	1.30E+01	1.34E-01	0	0	1.8%	0.0%	0.0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	227	2	4.50E-01	1.70E+00	7.17E-02	0	0	0.9%	0.0%	0.0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	227	7	3.50E-01	6.00E+01	3.60E-01	1	0	3.1%	0.4%	0.0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	223	223	9.39E+03	7.47E+04	3.15E+04	223	26	100%	100%	12%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	223	26	1.27E+00	1.34E+01	1.20E+00	26	14	12%	12%	6.3%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	223	138	1.26E+00	1.85E+01	2.74E+00	1	20	62%	0.4%	9.0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	223	223	3.75E+01	8.81E+02	1.28E+02	5	66	100%	2.2%	30%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	223	188	1.37E-01	3.21E+00	8.25E-01	0	29	84%	0.0%	13%
INORG	Boron	7440-42-8	5.00E-01	0	223	133	1.17E+00	5.42E+01	7.13E+00	133	0	60%	60%	0.0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	223	129	1.73E-01	3.33E+00	7.08E-01	111	29	58%	50%	13%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	223	223	1.03E+01	1.68E+02	4.00E+01	168	117	100%	75%	52%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	223	223	1.65E+00	3.63E+02	1.32E+01	67	46	100%	30%	21%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	223	223	1.40E+00	6.78E+03	6.00E+01	93	67	100%	42%	30%
INORG	Cyanide	57-12-5	9.00E-01	0	27	2	2.70E-01	2.80E-01	1.21E-01	0	0	7.4%	0.0%	0.0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	223	222	1.51E+00	7.96E+01	1.41E+01	132	190	100%	59%	85%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	210	204	2.20E+00	2.10E+01	7.52E+00	204	99	97%	97%	47%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	207	207	3.58E+01	4.74E+03	4.85E+02	144	24	100%	70%	12%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	223	182	1.28E-02	4.26E+00	6.40E-02	17	58	82%	7.6%	26%
INORG	Molybdenum	7439-98-7	2.00E+00	0	223	32	5.12E-01	8.53E+00	4.44E-01	2	0	14%	0.9%	0.0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	221	221	4.01E+00	6.08E+01	1.71E+01	4	31	100%	1.8%	14%
INORG	Perchlorate	14797-73-0	1.00E+00	0	227	18	2.60E-03	6.80E-02	2.19E-03	0	0	7.9%	0.0%	0.0%
INORG	Selenium	7782-49-2	5.20E-01	0	223	68	1.11E+00	7.91E+00	1.57E+00	68	0	30%	30%	0.0%
INORG	Silver	7440-22-4	4.20E+00	0	223	45	2.39E-01	2.92E+00	3.00E-01	0	0	20%	0.0%	0.0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	223	223	1.39E+00	1.42E+02	8.06E+00	0	41	100%	0.0%	18%
INORG	Thallium	7440-28-0	1.00E+00	0	223	56	1.67E+00	1.18E+01	2.12E+00	56	0	25%	25%	0.0%
INORG	Tin	7440-31-5	5.30E+01	0	223	15	1.77E+00	2.18E+01	1.81E+00	0	0	6.7%	0.0%	0.0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	218	218	2.34E+02	3.55E+03	1.29E+03	145	88	100%	67%	40%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	223	222	1.56E+01	1.30E+02	5.11E+01	222	51	100%	100%	23%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	223	223	1.32E+01	9.36E+02	7.85E+01	128	103	100%	57%	46%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	APDA789										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	8	1	1.50E-02	1.50E-02	5.94E-03		0	0	13%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	8	2	6.00E-04	1.00E-03	4.50E-04		0	0	25%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	8	3	2.00E-03	2.00E-03	1.19E-03		0	0	38%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	8	1	1.40E-01	1.40E-01	3.61E-02		0	0	13%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	8	1	3.90E-01	3.90E-01	1.41E-01		0	0	13%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	8	1	1.70E+00	1.70E+00	2.31E-01		1	0	13%	13%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	10	2	2.60E-04	1.20E+01	1.20E+00	1.72E+01	1	0	20%	10%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	7	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	8	1	4.50E-03	4.50E-03	3.82E-02		0	0	13%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	8	3	1.70E-03	3.20E-03	1.48E-02		0	0	38%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	8	1	4.60E-04	4.60E-04	1.94E+00		0	0	13%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	8	2	1.30E-03	3.10E-03	2.79E-02		0	0	25%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	8	3	4.30E-04	3.10E-03	1.45E-02		0	0	38%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	8	1	6.90E-03	6.90E-03	1.41E-01		0	0	13%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	8	1	3.00E-01	3.00E-01	9.31E-02		0	0	13%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	8	1	4.30E+00	4.30E+00	5.93E-01		0	0	13%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	8	8	1.58E+04	6.40E+04	3.56E+04	4.85E+04	8	3	100%	100%	38%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	8	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	8	2	1.52E+00	1.58E+00	2.07E+00		0	0	25%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	8	8	5.81E+01	1.69E+02	1.10E+02		0	3	100%	0%	38%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	8	8	1.37E-01	1.26E+00	5.04E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	8	8	6.70E+00	5.42E+01	2.28E+01	3.45E+01	8	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	8	3	5.97E-01	1.19E+00	5.81E-01	8.42E-01	3	0	38%	38%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	8	8	1.98E+01	9.09E+01	4.05E+01	5.45E+01	5	4	100%	63%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	8	8	4.21E+00	3.31E+01	1.40E+01	1.98E+01	3	2	100%	38%	25%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	8	8	9.00E+00	4.72E+01	2.90E+01	3.89E+01	5	3	100%	63%	38%
INORG	Cyanide	57-12-5	9.00E-01	0	8	1	2.80E-01	2.80E-01	1.34E-01		0	0	13%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	8	8	5.45E+00	1.52E+01	1.15E+01	1.34E+01	6	7	100%	75%	88%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	8	8	2.80E+00	9.70E+00	6.68E+00	8.39E+00	8	3	100%	100%	38%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	8	8	1.33E+02	5.76E+02	3.49E+02	4.65E+02	5	0	100%	63%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	8	8	1.96E-02	8.47E-02	4.22E-02		0	2	100%	0%	25%
INORG	Molybdenum	7439-98-7	2.00E+00	0	8	1	9.76E-01	9.76E-01	4.99E-01		0	0	13%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	8	8	6.28E+00	3.28E+01	1.75E+01		0	2	100%	0%	25%
INORG	Perchlorate	14797-73-0	1.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	8	8	4.61E+00	1.08E+01	6.28E+00		0	1	100%	0%	13%
INORG	Thallium	7440-28-0	1.00E+00	0	8	1	3.93E+00	3.93E+00	3.16E+00		1	0	13%	13%	0%
INORG	Tin	7440-31-5	5.30E+01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	8	8	6.90E+02	1.43E+03	1.01E+03	1.21E+03	3	2	100%	38%	25%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	8	8	2.85E+01	1.30E+02	6.15E+01	8.33E+01	8	3	100%	100%	38%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	8	8	1.48E+01	6.60E+01	3.66E+01	4.90E+01	3	2	100%	38%	25%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B103										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	3	3.00E-03	7.00E-03	5.00E-03		0	0	100%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	2	2.16E-01	1.47E+00	5.69E-01		1	0	67%	33%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	1	4.17E-01	4.17E-01	1.52E-01		0	0	33%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	2	3.50E-01	1.89E+00	7.53E-01	1.89E+00	1	0	67%	33%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	1	6.60E-02	6.60E-02	3.50E-02		0	0	33%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	1	1.70E-01	1.70E-01	6.97E-02		0	0	33%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	1	1.20E-01	1.20E-01	5.30E-02		0	0	33%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	1	1.70E-01	1.70E-01	6.97E-02		0	0	33%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	1	6.80E-02	6.80E-02	3.57E-02		0	0	33%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	1	5.70E-02	5.70E-02	3.20E-02		0	0	33%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	2	4.50E-02	1.50E-01	7.17E-02		0	0	67%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	1	3.40E-01	3.40E-01	1.26E-01		0	0	33%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	1	6.70E-02	6.70E-02	3.53E-02		0	0	33%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	1	2.50E-01	2.50E-01	9.63E-02		0	0	33%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	1	9.60E-01	9.60E-01	3.33E-01		1	0	33%	33%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	1	3.10E-01	3.10E-01	1.16E-01		0	0	33%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	1.65E+04	2.65E+04	2.30E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	9.56E+01	3.01E+02	1.71E+02		0	1	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	4.09E-01	8.51E-01	6.65E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	4.48E-01	7.90E-01	6.68E-01		3	0	100%	100%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.18E+01	3.36E+01	2.71E+01		1	0	100%	33%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	4.86E+00	1.32E+01	9.72E+00		1	0	100%	33%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.23E+01	2.24E+01	1.61E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	6.10E+00	2.93E+01	1.89E+01		2	2	100%	67%	67%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	5.40E+00	1.24E+01	7.83E+00		3	1	100%	100%	33%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	2.36E+02	3.83E+02	3.23E+02		3	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	2	1.74E-02	3.08E-02	1.83E-02		0	0	67%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	9.96E+00	2.56E+01	1.54E+01		0	1	100%	0%	33%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	1	1.50E-02	1.50E-02	5.83E-03		0	0	33%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	3.72E+00	9.01E+00	6.23E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.65E+03	2.73E+03	2.06E+03		3	3	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	3.63E+01	6.10E+01	4.93E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	5.55E+01	1.77E+02	1.12E+02		3	3	100%	100%	100%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B104145										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	8	2	1.20E-02	1.40E-02	6.63E-03		0	0	25%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	8	2	3.00E-03	5.00E-03	2.06E-03		0	0	25%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	8	1	2.00E-03	2.00E-03	7.50E-04		0	0	13%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	8	1	1.76E-01	1.76E-01	4.01E-02		0	0	13%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	8	1	3.91E-01	3.91E-01	6.69E-02		0	0	13%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	8	1	2.50E-01	2.50E-01	1.23E-01		0	0	13%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	8	1	1.40E+00	1.40E+00	2.11E-01		1	0	13%	13%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	8	1	4.60E-02	4.60E-02	2.39E-02		0	0	13%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	8	1	2.50E+00	2.50E+00	3.31E-01		1	0	13%	13%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	8	1	8.50E-02	8.50E-02	2.88E-02		0	0	13%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	2	1	6.10E-03	6.10E-03	3.60E-03		1	0	50%	50%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	2	2	2.90E-02	4.00E-02	3.45E-02		2	0	100%	100%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	2	1	6.60E-02	6.60E-02	3.45E-02		0	0	50%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	2	1	9.50E-03	9.50E-03	5.30E-03		1	0	50%	50%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	2	1	7.40E-03	7.40E-03	4.25E-03		0	0	50%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	2	1	9.90E-02	9.90E-02	5.17E-02		0	0	50%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	2	1	4.50E-01	4.50E-01	2.27E-01		1	0	50%	50%	0%
PEST	Endrin	72-20-8	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	2	1	9.70E-03	9.70E-03	5.93E-03		0	0	50%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	2	1	5.10E-03	5.10E-03	3.65E-03		0	0	50%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	2	1	5.00E-02	5.00E-02	3.05E-02		1	0	50%	50%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	8	1	1.60E-01	1.60E-01	7.50E-02		0	0	13%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	8	2	4.30E-01	6.70E-01	2.54E-01		0	0	25%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	8	1	1.90E+00	1.90E+00	2.93E-01		0	0	13%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	8	8	1.74E+04	4.01E+04	3.05E+04	3.56E+04	8	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	8	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	8	8	2.17E+00	3.68E+00	3.01E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	8	8	7.41E+01	1.54E+02	1.13E+02		0	3	100%	0%	38%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	8	8	4.58E-01	1.40E+00	8.61E-01		0	1	100%	0%	13%
INORG	Boron	7440-42-8	5.00E-01	0	8	6	1.65E+00	5.73E+00	2.56E+00	3.79E+00	6	0	75%	75%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	8	6	5.84E-01	1.17E+00	7.09E-01	9.57E-01	6	0	75%	75%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	8	8	1.83E+01	3.26E+01	2.78E+01	3.10E+01	6	0	100%	75%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	8	8	3.63E+00	1.19E+01	7.86E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	8	8	1.12E+01	1.59E+02	3.73E+01	1.14E+02	2	2	100%	25%	25%
INORG	Cyanide	57-12-5	9.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	8	8	1.11E+01	1.90E+01	1.43E+01	1.62E+01	8	8	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	8	8	1.17E+02	1.41E+03	4.01E+02	8.66E+02	5	1	100%	63%	13%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	8	8	4.06E-02	2.16E-01	7.95E-02	1.26E-01	1	4	100%	13%	50%
INORG	Molybdenum	7439-98-7	2.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	8	8	9.08E+00	1.81E+01	1.45E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	8	4	2.90E-03	1.30E-02	3.77E-03		0	0	50%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	8	8	4.25E+00	8.69E+00	6.03E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	8	8	7.49E+02	1.99E+03	1.34E+03	1.62E+03	7	4	100%	88%	50%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	8	8	2.72E+01	6.23E+01	4.55E+01	5.23E+01	8	1	100%	100%	13%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	8	8	3.77E+01	1.39E+02	6.81E+01	9.02E+01	5	5	100%	63%	63%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B105139										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	12	8	1.90E-02	1.40E-01	3.98E-02		0	0	67%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	15	1	1.10E-02	1.10E-02	3.27E-03		0	0	7%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	15	2	5.00E-03	7.30E-02	5.73E-03		0	0	13%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	15	1	1.90E-02	1.90E-02	1.83E-03		0	0	7%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	15	1	2.00E-03	2.00E-03	7.33E-04		0	0	7%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	15	8	4.32E-01	2.41E+02	2.96E+01	6.84E+01	7	0	53%	47%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	15	7	1.67E-01	5.37E+01	6.02E+00	7.08E+00	1	0	47%	7%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	15	8	5.99E-01	2.94E+02	3.56E+01	4.06E+01	7	0	53%	47%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	15	3	6.50E-02	2.60E+00	3.53E-01		0	0	20%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	15	1	4.30E-01	4.30E-01	1.05E-01		0	0	7%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	15	5	1.00E-01	1.20E+01	1.23E+00		4	0	33%	27%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	15	7	4.40E-02	2.50E+01	3.00E+00		1	0	47%	7%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	15	7	4.20E-02	2.20E+01	2.85E+00		1	0	47%	7%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	15	7	6.10E-02	2.90E+01	3.63E+00		1	0	47%	7%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	15	6	1.70E-01	1.40E+01	1.84E+00		0	0	40%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	15	6	1.10E-01	1.20E+01	1.55E+00		0	0	40%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	15	1	2.70E-01	2.70E-01	4.62E-01		0	0	7%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	15	1	2.10E+00	2.10E+00	2.93E-01		1	0	7%	7%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	15	4	6.50E-02	2.40E+00	3.84E-01		2	0	27%	13%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	15	7	4.60E-02	2.30E+01	2.72E+00		1	0	47%	7%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	15	5	4.30E-02	3.80E+00	5.14E-01		0	0	33%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	15	2	7.80E-01	1.70E+00	2.29E-01	1.00E+00	2	0	13%	13%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	15	8	8.80E-02	5.10E+01	6.13E+00		2	0	53%	13%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	15	3	4.90E-02	4.20E+00	4.52E-01		0	0	20%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	15	6	1.40E-01	1.30E+01	1.72E+00		0	0	40%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	15	7	4.60E-02	3.40E+01	3.83E+00		1	0	47%	7%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	15	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	15	8	7.10E-02	4.80E+01	5.68E+00		2	0	53%	13%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	15	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	4	1	9.70E-04	9.70E-04	4.46E-04		0	0	25%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	4	1	3.70E-03	3.70E-03	1.00E-03		1	0	25%	25%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	4	3	5.60E-04	4.20E-03	1.77E-03		0	0	75%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	4	1	3.40E-03	3.40E-03	1.00E-03		0	0	25%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	4	1	5.30E-04	5.30E-04	2.83E-04		0	0	25%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	4	1	3.20E-03	3.20E-03	9.50E-04		0	0	25%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	4	1	4.20E-04	4.20E-04	2.55E-04		0	0	25%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	4	1	3.10E-04	3.10E-04	1.55E-04		0	0	25%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	4	1	1.30E-02	1.30E-02	4.01E-03		0	0	25%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	15	1	7.40E-01	7.40E-01	7.39E-01		0	0	7%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	15	1	6.00E-01	6.00E-01	9.63E-02		0	0	7%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	15	1	3.70E-01	3.70E-01	8.10E-02		0	0	7%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	15	1	1.80E-01	1.80E-01	6.80E-02		0	0	7%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	15	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	15	1	4.50E-01	4.50E-01	8.57E-02		0	0	7%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	15	1	5.00E-01	5.00E-01	8.97E-02		0	0	7%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	15	15	1.66E+04	4.76E+04	2.87E+04	3.38E+04	15	1	100%	100%	7%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	15	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	15	14	1.26E+00	1.85E+01	4.66E+00	9.84E+00	1	2	93%	7%	13%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	15	15	6.33E+01	2.15E+02	1.25E+02		0	6	100%	0%	40%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	15	12	5.11E-01	3.06E+00	9.69E-01		0	4	80%	0%	27%
INORG	Boron	7440-42-8	5.00E-01	0	15	4	7.80E+00	1.73E+01	3.54E+00	1.01E+01	4	0	27%	27%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	15	9	1.73E-01	1.55E+00	5.54E-01	8.39E-01	7	0	60%	47%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	15	15	1.31E+01	8.30E+01	3.56E+01	4.43E+01	11	8	100%	73%	53%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	15	15	2.81E+00	2.37E+01	1.00E+01	1.33E+01	4	3	100%	27%	20%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	15	15	7.84E+00	2.47E+02	4.81E+01	8.39E+01	9	6	100%	60%	40%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	15	15	6.16E+00	2.75E+01	1.31E+01	1.68E+01	8	13	100%	53%	87%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	15	15	2.20E+00	1.47E+01	8.18E+00	9.59E+00	15	9	100%	100%	60%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	15	15	7.22E+01	1.19E+03	4.13E+02	5.92E+02	10	1	100%	67%	7%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	15	13	1.42E-02	1.79E-01	3.60E-02	5.95E-02	1	1	87%	7%	7%
INORG	Molybdenum	7439-98-7	2.00E+00	0	15	3	5.12E-01	7.22E-01	4.07E-01		0	0	20%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	15	15	4.61E+00	2.47E+01	1.48E+01		0	1	100%	0%	7%
INORG	Perchlorate	14797-73-0	1.00E+00	0	15	2	2.60E-03	2.90E-03	1.46E-03		0	0	13%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	15	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	15	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	15	15	1.54E+00	5.21E+01	8.94E+00		0	3	100%	0%	20%
INORG	Thallium	7440-28-0	1.00E+00	0	15	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	15	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	15	15	1.14E+03	3.55E+03	1.64E+03	1.98E+03	15	9	100%	100%	60%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	15	15	2.25E+01	7.71E+01	4.38E+01	5.22E+01	15	2	100%	100%	13%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	15	15	3.18E+01	2.23E+02	7.99E+01	1.15E+02	9	9	100%	60%	60%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B106										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	2	1	6.00E-03	6.00E-03	3.75E-03		0	0	50%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	1.70E-02	1.70E-02	1.70E-02		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	1	6.60E-04	6.60E-04	6.60E-04		0	0	100%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	2	2	3.19E+04	3.76E+04	3.48E+04		2	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	2	2	1.49E+00	2.69E+00	2.09E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	2	2	1.56E+02	1.63E+02	1.60E+02		0	2	100%	0%	100%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	2	2	9.17E-01	1.05E+00	9.84E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	2	1	5.37E+00	5.37E+00	2.95E+00		1	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	2	2	2.53E+01	3.23E+01	2.88E+01		1	0	100%	50%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	2	2	7.09E+00	1.20E+01	9.55E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	2	2	1.46E+01	2.73E+01	2.10E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	2	2	1.18E+01	1.40E+01	1.29E+01		2	2	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	2	2	8.50E+00	1.06E+01	9.55E+00		2	2	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	2	2	2.37E+02	3.67E+02	3.02E+02		2	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	2	2	1.96E-02	3.45E-02	2.71E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	2	2	1.37E+01	2.06E+01	1.72E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	2	2	5.32E+00	6.82E+00	6.07E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	2	2	1.81E+00	4.23E+00	3.02E+00		2	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	2	2	1.63E+03	2.00E+03	1.82E+03		2	2	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	2	2	4.03E+01	5.23E+01	4.63E+01		2	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	2	2	4.70E+01	1.22E+02	8.45E+01		2	1	100%	100%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B107										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	8	3	2.20E-02	2.20E-01	8.95E-02		0	0	38%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	8	1	4.00E-03	4.00E-03	6.94E-03		0	0	13%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	8	2	3.00E-03	4.00E-03	7.25E-03		0	0	25%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	8	1	1.30E+01	1.30E+01	1.63E+00		1	0	13%	13%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	8	1	4.90E-01	4.90E-01	6.26E-02		0	0	13%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	8	1	4.00E-03	4.00E-03	1.36E-02		0	0	13%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	8	1	7.00E+00	7.00E+00	8.76E-01		1	0	13%	13%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	8	1	6.60E-01	6.60E-01	8.31E-02		1	0	13%	13%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	8	1	4.00E-03	4.00E-03	6.94E-03		0	0	13%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	7	3	2.73E-01	2.82E+01	4.21E+00	4.93E+01	1	0	43%	14%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	9	2	2.50E-01	9.07E+00	1.05E+00		0	0	22%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	9	3	4.27E-01	3.73E+01	4.33E+00	3.18E+01	2	0	33%	22%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	7	1	8.10E-01	8.10E-01	1.34E-01		0	0	14%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	7	1	1.70E+00	1.70E+00	2.61E-01		1	0	14%	14%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	7	2	9.20E-02	3.00E+00	4.57E-01		0	0	29%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	7	2	8.60E-02	2.60E+00	3.99E-01		0	0	29%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	7	2	9.30E-02	3.40E+00	5.14E-01		0	0	29%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	7	2	7.00E-02	1.50E+00	2.40E-01		0	0	29%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	7	2	5.30E-02	1.30E+00	2.09E-01		0	0	29%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	7	1	3.30E-01	3.30E-01	8.50E-02		0	0	14%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	7	1	7.40E-01	7.40E-01	1.24E-01		0	0	14%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	7	2	9.60E-02	3.10E+00	4.72E-01		0	0	29%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	7	1	4.40E-01	4.40E-01	8.14E-02		0	0	14%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	7	1	4.30E-01	4.30E-01	7.99E-02		1	0	14%	14%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	7	1	1.10E-01	1.10E-01	5.36E-02		0	0	14%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	7	1	1.50E-01	1.50E-01	5.76E-02		0	0	14%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	7	3	4.70E-02	5.50E+00	8.28E-01		0	0	43%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	7	1	7.50E-01	7.50E-01	1.26E-01		0	0	14%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	7	2	5.90E-02	1.50E+00	2.38E-01		0	0	29%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	7	1	7.40E-02	7.40E-02	2.91E-02		0	0	14%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	7	1	1.10E-01	1.10E-01	3.42E-02		0	0	14%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	7	2	1.20E-01	2.00E-01	7.76E-02		0	0	29%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	7	2	1.20E-01	5.60E+00	8.33E-01		0	0	29%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	7	3	5.40E-02	3.90E-01	8.66E-02	2.09E-01	3	0	43%	43%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	7	3	5.00E-02	5.90E+00	8.84E-01		0	0	43%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	2	1	2.20E-03	2.20E-03	1.48E-03		1	0	50%	50%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	2	2	1.10E-03	1.50E-03	1.30E-03		0	0	100%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	2	1	3.30E-04	3.30E-04	2.18E-04		1	0	50%	50%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	2	1	1.60E-03	1.60E-03	8.68E-04		0	0	50%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	2	1	1.90E-03	1.90E-03	1.08E-03		0	0	50%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	2	2	4.00E-03	7.80E-03	5.90E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	7	1	4.00E-01	4.00E-01	2.11E-01		0	0	14%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	7	7	2.22E+04	4.25E+04	3.20E+04	3.67E+04	7	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	7	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	7	1	2.59E+00	2.59E+00	1.24E+00		0	0	14%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	7	7	7.55E+01	2.71E+02	1.50E+02		0	4	100%	0%	57%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	7	7	5.35E-01	1.60E+00	7.64E-01		0	1	100%	0%	14%
INORG	Boron	7440-42-8	5.00E-01	0	7	7	1.49E+00	1.41E+01	6.04E+00	9.21E+00	7	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	7	1	2.01E-01	2.01E-01	1.06E-01		0	0	14%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	7	7	2.89E+01	4.84E+01	3.79E+01	4.25E+01	7	5	100%	100%	71%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	7	7	8.06E+00	1.61E+01	1.25E+01	1.45E+01	3	0	100%	43%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	7	7	1.59E+01	6.59E+01	3.13E+01	4.60E+01	3	2	100%	43%	29%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	7	7	7.02E+00	2.07E+01	1.49E+01	1.84E+01	6	6	100%	86%	86%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	7	5	4.60E+00	7.90E+00	5.01E+00	6.94E+00	5	2	71%	71%	29%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	7	7	1.11E+02	1.89E+03	5.93E+02	1.29E+03	5	1	100%	71%	14%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	7	0	0	0	0		0	0	0%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	7	1	8.25E-01	8.25E-01	3.60E-01		0	0	14%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	7	7	1.36E+01	3.26E+01	2.03E+01		0	1	100%	0%	14%
INORG	Perchlorate	14797-73-0	1.00E+00	0	7	1	4.60E-03	4.60E-03	1.86E-03		0	0	14%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	7	7	5.27E+00	1.63E+01	9.58E+00		0	2	100%	0%	29%
INORG	Thallium	7440-28-0	1.00E+00	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	7	7	8.90E+02	2.14E+03	1.30E+03	1.61E+03	5	2	100%	71%	29%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	7	7	3.63E+01	6.74E+01	5.26E+01	5.95E+01	7	1	100%	100%	14%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	7	7	3.57E+01	9.33E+01	5.72E+01	7.42E+01	4	3	100%	57%	43%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B108										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	2	2	1.62E+04	3.17E+04	2.40E+04		2	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	2	2	1.66E+00	2.80E+00	2.23E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	2	2	9.74E+01	1.25E+02	1.11E+02		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	2	2	2.84E-01	4.05E-01	3.45E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	2	2	1.41E+01	2.17E+01	1.79E+01		2	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	2	1	2.06E-01	2.06E-01	1.43E-01		0	0	50%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	2	2	2.52E+01	3.10E+01	2.81E+01		1	0	100%	50%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	2	2	8.59E+00	1.59E+01	1.22E+01		1	0	100%	50%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	2	2	1.65E+01	3.29E+01	2.47E+01		1	1	100%	50%	50%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	2	2	3.33E+00	1.48E+01	9.07E+00		1	1	100%	50%	50%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	2	2	6.50E+00	6.50E+00	6.50E+00		2	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	2	2	4.61E+02	4.78E+02	4.70E+02		2	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	2	2	3.26E-02	4.11E-02	3.69E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	2	2	1.35E+01	1.57E+01	1.46E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	2	2	6.51E+00	6.66E+00	6.59E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	2	2	3.52E+00	4.51E+00	4.02E+00		2	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	2	2	1.05E+03	1.39E+03	1.22E+03		2	1	100%	100%	50%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	2	2	3.19E+01	5.29E+01	4.24E+01		2	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	2	2	4.61E+01	5.98E+01	5.30E+01		2	1	100%	100%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B109137										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	9	2	1.10E-02	5.40E-02	7.78E-02		0	0	22%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	9	2	4.70E-01	2.80E+00	3.68E-01		0	0	22%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	9	2	3.10E-01	2.10E+00	2.73E-01		0	0	22%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	9	1	7.10E-01	7.10E-01	8.87E-02		0	0	11%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	9	2	1.50E-01	1.10E+00	1.44E-01		0	0	22%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	9	3	3.00E-03	2.90E+00	3.65E-01		0	0	33%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	9	2	1.70E-01	9.90E-01	1.34E-01		2	0	22%	22%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	9	1	1.80E+00	1.80E+00	2.10E-01		0	0	11%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	9	2	3.00E-03	5.00E-03	2.99E-02		0	0	22%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	9	3	4.00E-03	7.60E+00	1.06E+00		0	0	33%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	9	2	3.40E-01	2.00E+00	2.65E-01		0	0	22%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	9	3	2.00E-03	1.80E-01	3.02E-02		1	0	33%	11%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	9	2	3.60E+00	1.40E+01	1.96E+00		0	0	22%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	9	2	1.90E+00	1.00E+01	1.33E+00		0	0	22%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	9	2	1.61E+00	7.60E+00	1.03E+00		2	0	22%	22%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	6	3	3.30E+00	4.39E+01	9.61E+00	2.55E+01	3	0	50%	50%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	9	4	2.60E-01	1.44E+02	2.86E+01		2	0	44%	22%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	9	4	4.70E-01	1.47E+02	3.50E+01	4.47E+01	3	0	44%	33%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	6	1	6.70E-01	6.70E-01	1.60E-01		0	0	17%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	6	3	7.10E-01	1.60E+00	5.20E-01		3	0	50%	50%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	6	2	7.70E-01	4.40E+00	9.06E-01		0	0	33%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	6	2	2.40E-01	4.30E+00	8.01E-01		0	0	33%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	6	2	1.60E+00	5.20E+00	1.18E+00		0	0	33%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	6	2	7.80E-01	3.00E+00	6.75E-01		0	0	33%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	6	2	7.20E-01	2.50E+00	5.81E-01		0	0	33%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	6	2	2.20E+00	3.20E+00	9.14E-01		0	0	33%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	6	2	1.60E-01	2.00E-01	1.48E-01		0	0	33%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	6	1	3.40E-01	3.40E-01	1.52E-01		1	0	17%	17%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	6	1	1.40E+00	1.40E+00	2.81E-01		1	0	17%	17%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	6	2	1.20E+00	4.70E+00	1.03E+00		0	0	33%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	6	2	2.00E-01	9.00E-01	2.28E-01		0	0	33%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	6	2	2.80E-01	2.60E+00	4.94E-01	2.97E+00	2	0	33%	33%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	6	3	6.60E-01	9.20E+00	2.05E+00		0	0	50%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	6	2	5.10E-01	2.30E+00	5.13E-01		0	0	33%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	6	2	7.10E-01	2.90E+00	6.46E-01		0	0	33%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	6	3	4.10E-02	4.20E+01	1.22E+01		2	0	50%	33%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	6	3	5.50E-02	6.90E+01	1.99E+01		2	0	50%	33%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	6	4	1.30E-01	2.40E+01	8.10E+00		0	0	67%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	6	3	1.00E+00	6.80E+00	1.61E+00		0	0	50%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	3.12E+04	5.23E+04	4.21E+04		3	1	100%	100%	33%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	5.13E+01	7.43E+01	6.44E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	5.08E-01	1.00E+00	8.19E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	1	1.26E+01	1.26E+01	6.05E+00		1	0	33%	33%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	3.21E-01	1.94E+00	1.27E+00		2	1	100%	67%	33%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.60E+01	9.72E+01	5.26E+01		2	2	100%	67%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	6.86E+00	2.44E+01	1.30E+01		1	1	100%	33%	33%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	2.32E+01	4.57E+01	3.36E+01		2	1	100%	67%	33%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	4.12E+00	1.11E+01	7.94E+00		1	2	100%	33%	67%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	4.80E+00	7.80E+00	6.03E+00		3	1	100%	100%	33%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	2.94E+02	5.32E+02	3.77E+02		3	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	5.55E-02	6.39E-02	5.86E-02		0	3	100%	0%	100%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	1	5.83E-01	5.83E-01	3.69E-01		0	0	33%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.26E+01	2.37E+01	1.67E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	3.59E+00	7.03E+00	5.33E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	1	2.85E+00	2.85E+00	3.96E+00		1	0	33%	33%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	7.51E+02	9.79E+02	8.47E+02		0	0	100%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	4.33E+01	9.15E+01	7.10E+01		3	2	100%	100%	67%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	2.39E+01	4.39E+01	3.29E+01		0	0	100%	0%	0%

Notes
1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B110111112										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	7	2	3.00E-03	1.40E-02	3.36E-03		0	0	29%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	7	4	2.00E-03	2.00E-03	1.43E-03		0	0	57%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	7	2	4.66E-01	1.62E+01	2.39E+00		1	0	29%	14%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	7	2	1.73E-01	7.27E+00	1.08E+00		0	0	29%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	7	2	6.39E-01	2.34E+01	3.46E+00		1	0	29%	14%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	7	1	7.30E-01	7.30E-01	1.23E-01		0	0	14%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	7	1	1.20E+00	1.20E+00	1.90E-01		1	0	14%	14%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	7	2	5.50E-02	1.70E+00	2.66E-01		0	0	29%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	7	2	4.60E-02	1.40E+00	2.22E-01		0	0	29%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	7	2	7.20E-02	1.70E+00	2.69E-01		0	0	29%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	7	1	8.50E-01	8.50E-01	1.40E-01		0	0	14%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	7	1	7.70E-01	7.70E-01	1.28E-01		0	0	14%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	7	1	5.30E-02	5.30E-02	2.59E-02		0	0	14%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	7	1	1.10E-01	1.10E-01	5.29E-02		0	0	14%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	7	1	5.60E-01	5.60E-01	9.83E-02		0	0	14%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	7	2	5.40E-02	1.60E+00	2.52E-01		0	0	29%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	7	1	1.60E-01	1.60E-01	4.11E-02		0	0	14%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	7	1	4.60E-01	4.60E-01	8.40E-02		1	0	14%	14%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	7	2	8.80E-02	3.90E+00	5.85E-01		0	0	29%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	7	1	7.20E-01	7.20E-01	1.21E-01		0	0	14%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	7	1	8.00E-01	8.00E-01	1.33E-01		0	0	14%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	7	1	7.40E-02	7.40E-02	2.89E-02		0	0	14%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	7	1	1.20E-01	1.20E-01	3.54E-02		0	0	14%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	7	2	5.20E-02	4.40E+00	6.51E-01		0	0	29%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	7	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	7	2	7.10E-02	3.30E+00	4.97E-01		0	0	29%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	7	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	5	1	5.40E-03	5.40E-03	1.56E-03		1	0	20%	20%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	5	1	7.00E-04	7.00E-04	3.78E-04		0	0	20%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	5	3	2.40E-04	3.50E-04	2.27E-04	3.03E-04	3	0	60%	60%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	5	4	4.80E-04	3.60E-03	1.16E-03		0	0	80%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	5	1	7.40E-04	7.40E-04	3.10E-04		0	0	20%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	5	2	3.30E-04	4.20E-04	2.12E-04		0	0	40%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	5	1	3.50E-03	3.50E-03	1.59E-03		0	0	20%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	7	2	8.20E-01	3.20E+00	6.29E-01		0	0	29%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	7	1	6.30E-01	6.30E-01	2.27E-01		0	0	14%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	7	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	7	1	9.70E-01	9.70E-01	1.93E-01		0	0	14%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	7	7	3.26E+04	4.77E+04	4.01E+04	4.39E+04	7	2	100%	100%	29%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	7	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	7	1	6.04E+00	6.04E+00	2.36E+00		0	1	14%	0%	14%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	7	7	1.04E+02	2.07E+02	1.40E+02		0	3	100%	0%	43%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	7	7	7.84E-01	2.02E+00	1.38E+00		0	4	100%	0%	57%
INORG	Boron	7440-42-8	5.00E-01	0	7	4	1.38E+01	1.52E+01	9.38E+00	1.45E+01	4	0	57%	57%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	7	4	2.72E-01	3.17E+00	1.12E+00	2.21E+00	3	2	57%	43%	29%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	7	7	2.66E+01	1.15E+02	5.50E+01	9.28E+01	7	3	100%	100%	43%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	7	7	1.16E+01	2.44E+01	1.65E+01	2.00E+01	4	3	100%	57%	43%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	7	7	2.32E+01	1.39E+02	4.56E+01	1.14E+02	3	3	100%	43%	43%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	7	7	7.75E+00	1.81E+01	1.11E+01	1.37E+01	3	7	100%	43%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	7	7	6.30E+00	1.35E+01	8.49E+00	1.04E+01	7	4	100%	100%	57%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	7	7	1.75E+02	1.14E+03	5.87E+02	8.44E+02	6	2	100%	86%	29%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	7	7	1.95E-02	5.41E-02	3.57E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	7	1	7.24E-01	7.24E-01	3.42E-01		0	0	14%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	7	7	1.56E+01	2.76E+01	2.06E+01		0	2	100%	0%	29%
INORG	Perchlorate	14797-73-0	1.00E+00	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	7	2	1.25E+00	1.47E+00	5.35E-01		0	0	29%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	7	7	7.46E+00	1.68E+01	1.10E+01		0	4	100%	0%	57%
INORG	Thallium	7440-28-0	1.00E+00	0	7	4	3.52E+00	5.85E+00	4.35E+00	5.32E+00	4	0	57%	57%	0%
INORG	Tin	7440-31-5	5.30E+01	0	7	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	7	7	1.10E+03	1.58E+03	1.36E+03	1.47E+03	7	5	100%	100%	71%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	7	7	5.12E+01	9.43E+01	6.49E+01	7.69E+01	7	3	100%	100%	43%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	7	7	3.14E+01	9.97E+01	5.99E+01	7.75E+01	5	3	100%	71%	43%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B113										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	12	2	2.80E-02	2.90E-02	2.64E-02		0	0	17%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	12	1	1.00E-03	1.00E-03	1.65E-03		0	0	8%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	12	1	7.20E-02	7.20E-02	6.63E-03		0	0	8%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	12	2	2.00E-03	1.50E-01	1.58E-02	1.80E-01	1	0	17%	8%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	12	1	4.00E-03	4.00E-03	3.46E-03		0	0	8%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	12	1	6.00E-02	6.00E-02	8.13E-03		0	0	8%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	12	1	1.70E-02	1.70E-02	4.54E-03		0	0	8%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	12	1	9.00E-03	9.00E-03	6.96E-03		0	0	8%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	12	2	3.60E-02	1.40E-01	7.62E-02		0	0	17%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	12	6	3.00E-03	2.70E-01	2.95E-02	2.58E-01	3	0	50%	25%	0%
VOC	Toluene	108-88-3	5.00E-02	0	12	2	2.00E-03	4.00E-03	3.54E-03		0	0	17%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	12	2	2.00E-03	9.40E-02	1.11E-02	1.13E-01	2	0	17%	17%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	12	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	11	5	5.10E-01	2.20E+00	4.36E-01	9.30E-01	1	0	45%	9%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	12	5	1.74E-01	6.35E-01	1.35E-01		0	0	42%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	12	5	6.97E-01	2.84E+00	5.25E-01	8.47E-01	2	0	42%	17%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	11	2	4.10E-02	1.20E-01	3.09E-02		0	0	18%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	11	1	2.00E+00	2.00E+00	2.73E-01		1	0	9%	9%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	11	1	9.10E-02	9.10E-02	2.64E-02		0	0	9%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	11	5	4.70E-02	2.30E-01	5.63E-02		0	0	45%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	11	5	5.10E-02	2.40E-01	5.73E-02		0	0	45%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	11	5	4.70E-02	2.60E-01	6.20E-02		0	0	45%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	11	3	4.60E-02	1.80E-01	4.43E-02		0	0	27%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	11	2	5.30E-02	1.20E-01	3.20E-02		0	0	18%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	11	1	2.60E-01	2.60E-01	1.14E-01		0	0	9%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	11	3	9.70E-02	4.80E-01	9.23E-02		0	0	27%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	11	1	8.10E-02	8.10E-02	2.55E-02		0	0	9%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	11	2	1.20E+00	2.20E+00	3.42E-01		0	0	18%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	11	5	7.10E-02	2.20E+00	3.25E-01		0	0	45%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	11	2	2.50E-01	4.80E-01	1.47E-01		0	0	18%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	11	5	6.30E-02	2.90E-01	6.51E-02		0	0	45%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	11	1	5.10E-02	5.10E-02	2.28E-02		1	0	9%	9%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	11	1	2.50E-01	2.50E-01	4.10E-02		0	0	9%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	11	5	7.30E-02	3.50E-01	7.99E-02		0	0	45%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	11	1	5.90E-02	5.90E-02	2.35E-02		0	0	9%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	11	2	8.10E-02	1.50E-01	3.75E-02		0	0	18%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	11	1	1.10E-01	1.10E-01	2.81E-02		0	0	9%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	11	5	5.30E-02	3.00E-01	7.08E-02		0	0	45%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	11	6	3.90E-02	1.50E+00	3.33E-01	6.21E-01	5	0	55%	45%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	11	5	8.10E-02	3.60E-01	8.05E-02		0	0	45%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	11	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	3	3	3.70E-03	3.20E-01	1.37E-01		3	0	100%	100%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	3	1	1.10E-03	1.10E-03	7.53E-03		1	0	33%	33%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	3	1	1.00E-02	1.00E-02	8.17E-02		0	0	33%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	3	1	8.60E-04	8.60E-04	1.40E-02		0	0	33%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	3	1	7.00E-04	7.00E-04	1.39E-02		0	0	33%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	3	2	2.70E-03	5.70E-01	1.98E-01		1	0	67%	33%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	3	1	1.90E-02	1.90E-02	7.80E-02		0	0	33%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	11	1	2.70E-01	2.70E-01	1.22E-01		0	0	9%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	11	11	1.75E+04	4.50E+04	3.13E+04	3.60E+04	11	1	100%	100%	9%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	11	3	1.47E+00	2.12E+00	1.36E+00	1.72E+00	3	1	27%	27%	9%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	11	8	2.20E+00	6.99E+00	3.16E+00		0	2	73%	0%	18%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	11	11	4.21E+01	1.61E+02	1.02E+02		0	1	100%	0%	9%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	11	6	7.09E-01	3.21E+00	9.37E-01		0	2	55%	0%	18%
INORG	Boron	7440-42-8	5.00E-01	0	11	9	3.91E+00	2.34E+01	1.02E+01	1.40E+01	9	0	82%	82%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	11	7	3.33E-01	1.94E+00	8.57E-01	1.17E+00	6	2	64%	55%	18%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	11	11	1.43E+01	1.36E+02	6.26E+01	8.01E+01	10	9	100%	91%	82%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	11	11	3.87E+00	5.50E+01	1.56E+01	2.80E+01	4	2	100%	36%	18%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	11	11	1.82E+00	1.09E+02	5.13E+01	6.81E+01	9	8	100%	82%	73%
INORG	Cyanide	57-12-5	9.00E-01	0	11	1	2.70E-01	2.70E-01	1.20E-01		0	0	9%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	11	11	3.75E+00	7.96E+01	2.21E+01	4.89E+01	7	8	100%	64%	73%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	11	11	3.20E+00	1.69E+01	8.12E+00	1.03E+01	11	6	100%	100%	55%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	11	11	9.41E+01	1.40E+03	3.52E+02	5.68E+02	7	1	100%	64%	9%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	11	8	3.17E-02	7.22E-02	4.08E-02		0	4	73%	0%	36%
INORG	Molybdenum	7439-98-7	2.00E+00	0	11	3	5.96E-01	9.16E-01	5.06E-01		0	0	27%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	11	11	7.79E+00	3.59E+01	2.21E+01		0	4	100%	0%	36%
INORG	Perchlorate	14797-73-0	1.00E+00	0	11	1	2.70E-03	2.70E-03	1.40E-03		0	0	9%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	11	6	2.39E-01	3.88E-01	3.32E-01		0	0	55%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	11	11	2.27E+00	2.55E+01	1.13E+01		0	6	100%	0%	55%
INORG	Thallium	7440-28-0	1.00E+00	0	11	6	2.33E+00	4.63E+00	5.65E+00	3.61E+00	6	0	55%	55%	0%
INORG	Tin	7440-31-5	5.30E+01	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	11	11	9.47E+02	2.73E+03	1.51E+03	1.79E+03	9	8	100%	82%	73%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	11	11	1.63E+01	7.65E+01	5.04E+01	5.95E+01	11	2	100%	100%	18%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	11	11	3.10E+01	9.36E+02	2.73E+02	5.15E+02	9	9	100%	82%	82%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B114										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	2	1	4.10E-02	4.10E-02	2.85E-02		0	0	50%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	2	1	4.00E-03	4.00E-03	3.00E-03		0	0	50%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	2	1	6.26E-01	6.26E-01	3.23E-01		0	0	50%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	2	1	2.61E-01	2.61E-01	1.41E-01		0	0	50%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	2	1	8.87E-01	8.87E-01	4.54E-01		0	0	50%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	2	1	6.90E-02	6.90E-02	4.48E-02		0	0	50%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	2	1	5.20E-02	5.20E-02	3.63E-02		0	0	50%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	2	1	6.80E-02	6.80E-02	4.43E-02		0	0	50%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	2	1	7.30E-02	7.30E-02	4.68E-02		0	0	50%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	2	1	1.50E-01	1.50E-01	8.53E-02		0	0	50%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	2	1	1.40E-01	1.40E-01	8.03E-02		0	0	50%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	2	1	1.40E-01	1.40E-01	8.03E-02		0	0	50%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	1	9.10E-04	9.10E-04	9.10E-04		0	0	100%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	1	4.30E-04	4.30E-04	4.30E-04		0	0	100%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	3.20E-04	3.20E-04	3.20E-04		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	2	2	3.25E+04	4.78E+04	4.02E+04		2	1	100%	100%	50%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	2	1	4.36E+00	4.36E+00	3.61E+00		0	0	50%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	2	2	8.01E+01	1.18E+02	9.91E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	2	2	7.70E-01	1.67E+00	1.22E+00		0	1	100%	0%	50%
INORG	Boron	7440-42-8	5.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	2	2	2.38E+00	2.54E+00	2.46E+00		2	2	100%	100%	100%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	2	2	5.12E+01	5.72E+01	5.42E+01		2	2	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	2	2	1.37E+01	1.64E+01	1.51E+01		2	1	100%	100%	50%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	2	2	3.20E+01	3.52E+01	3.36E+01		2	1	100%	100%	50%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	2	2	1.09E+01	1.34E+01	1.22E+01		1	2	100%	50%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	2	2	7.10E+00	8.80E+00	7.95E+00		2	1	100%	100%	50%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	1	1	4.02E+02	4.02E+02	4.02E+02		1	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	2	2	3.33E-02	5.19E-02	4.26E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	2	2	1.57E+01	1.92E+01	1.75E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	2	1	6.80E-02	6.80E-02	3.47E-02		0	0	50%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	2	2	2.69E+00	5.96E+00	4.33E+00		2	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	2	2	4.82E-01	1.54E+00	1.01E+00		0	0	100%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	2	2	6.49E+00	8.88E+00	7.69E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	1	1	1.02E+03	1.02E+03	1.02E+03		1	0	100%	100%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	2	1	8.23E+01	8.23E+01	5.57E+01		1	1	50%	50%	50%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	2	2	3.20E+01	8.79E+01	6.00E+01		1	1	100%	50%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B115										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	1	2.00E-03	2.00E-03	1.00E-03		0	0	25%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	4	3.00E-03	1.00E-02	6.00E-03		0	0	100%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	2	1.00E-03	6.00E-03	2.00E-03		0	0	50%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	2	3.00E-03	4.00E-03	2.13E-03		2	0	50%	50%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	1	1.10E+00	1.10E+00	3.06E-01		1	0	25%	25%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	3	5.60E-02	1.10E-01	6.70E-02		3	0	75%	75%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	1	2.60E-04	2.60E-04	2.60E-04		0	0	100%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	1	1.60E-03	1.60E-03	1.60E-03		0	0	100%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	1	1.70E-03	1.70E-03	1.70E-03		0	0	100%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	1	2.80E-03	2.80E-03	2.80E-03		0	0	100%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	1.70E-03	1.70E-03	1.70E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	1	1.80E-03	1.80E-03	1.80E-03		1	0	100%	100%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	1	1.90E-03	1.90E-03	1.90E-03		0	0	100%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	4	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	1.73E+04	4.44E+04	3.71E+04		4	2	100%	100%	50%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	4	1.97E+00	6.54E+00	4.12E+00		0	1	100%	0%	25%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	6.83E+01	1.29E+02	1.03E+02		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	2	5.22E-01	6.76E-01	4.27E-01		0	0	50%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	2	3.05E+00	4.73E+00	2.24E+00		2	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	3	2.24E-01	1.59E+00	5.50E-01		1	1	75%	25%	25%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	2.63E+01	7.96E+01	4.66E+01		4	3	100%	100%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	5.06E+00	2.32E+01	1.22E+01		2	1	100%	50%	25%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	1.24E+01	2.85E+01	2.27E+01		1	0	100%	25%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	3.15E+00	1.39E+01	7.97E+00		1	2	100%	25%	50%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	3	6.40E+00	1.04E+01	7.03E+00		3	2	75%	75%	50%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	8.64E+01	8.13E+02	2.98E+02		1	0	100%	25%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	1	1.15E-01	1.15E-01	4.05E-02		1	1	25%	25%	25%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	1	7.46E-01	7.46E-01	3.86E-01		0	0	25%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	1.01E+01	1.98E+01	1.68E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	2	3.40E-03	3.80E-03	2.46E-03		0	0	50%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	1	3.08E+00	3.08E+00	1.21E+00		1	0	25%	25%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	1	2.99E-01	2.99E-01	1.61E-01		0	0	25%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	5.83E+00	1.20E+01	9.13E+00		0	1	100%	0%	25%
INORG	Thallium	7440-28-0	1.00E+00	0	4	1	5.66E+00	5.66E+00	2.07E+00		1	0	25%	25%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	3	2.91E+00	3.03E+00	2.64E+00		0	0	75%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	7.84E+02	1.24E+03	1.04E+03		2	0	100%	50%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	3.12E+01	7.09E+01	5.66E+01		4	2	100%	100%	50%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.87E+01	5.65E+01	4.43E+01		1	1	100%	25%	25%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B116128										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	2	2.00E-03	4.00E-03	1.88E-03		0	0	50%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	2	6.00E-03	7.00E-03	4.00E-03		0	0	50%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	1	1.00E-03	1.00E-03	8.75E-04		0	0	25%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	1	3.00E-03	3.00E-03	1.38E-03		1	0	25%	25%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	2	2.00E-03	7.00E-03	2.63E-03		0	0	50%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	1	7.85E+00	7.85E+00	2.63E+00		1	0	33%	33%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	1	1.79E+00	1.79E+00	4.58E-01		0	0	25%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	1	9.64E+00	9.64E+00	2.42E+00		1	0	25%	25%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	1	1.80E-01	1.80E-01	7.42E-02		0	0	33%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	1	2.50E-01	2.50E-01	9.75E-02		1	0	33%	33%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	1	7.80E-01	7.80E-01	2.74E-01		0	0	33%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	1	6.90E-01	6.90E-01	2.44E-01		0	0	33%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	1	9.70E-01	9.70E-01	3.38E-01		0	0	33%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	1	5.20E-01	5.20E-01	1.88E-01		0	0	33%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	1	4.10E-01	4.10E-01	1.51E-01		0	0	33%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	1	1.60E-01	1.60E-01	6.75E-02		0	0	33%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	1	8.70E-01	8.70E-01	3.04E-01		0	0	33%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	1	1.30E-01	1.30E-01	5.75E-02		0	0	33%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	1	4.40E-02	4.40E-02	2.88E-02		1	0	33%	33%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	1	9.30E-02	9.30E-02	5.93E-02		0	0	33%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	1	1.40E+00	1.40E+00	4.81E-01		0	0	33%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	1	1.00E-01	1.00E-01	4.75E-02		0	0	33%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	1	4.80E-01	4.80E-01	1.74E-01		0	0	33%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	1	1.90E-01	1.90E-01	7.65E-02		0	0	33%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	1	1.20E+00	1.20E+00	4.14E-01		0	0	33%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	2	4.30E-02	9.00E-02	5.15E-02		1	0	67%	33%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	1	1.60E+00	1.60E+00	5.48E-01		0	0	33%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	1	7.90E-04	7.90E-04	7.90E-04		0	0	100%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	1	5.50E-04	5.50E-04	5.50E-04		1	0	100%	100%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	1.70E-02	1.70E-02	1.70E-02		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	1	9.80E-04	9.80E-04	9.80E-04		0	0	100%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	1	5.10E-04	5.10E-04	5.10E-04		0	0	100%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.64E+04	3.14E+04	2.86E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	2.62E+00	4.03E+00	3.30E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	1.20E+02	1.79E+02	1.53E+02		0	2	100%	0%	67%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	2	6.34E-01	1.10E+00	6.51E-01		0	0	67%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	3	1.95E+00	1.06E+01	5.00E+00		3	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	2.79E-01	7.41E-01	4.37E-01		1	0	100%	33%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.96E+01	3.73E+01	3.41E+01		3	2	100%	100%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	1.14E+01	1.89E+01	1.49E+01		2	1	100%	67%	33%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.44E+01	2.47E+01	2.09E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.01E+01	1.74E+01	1.32E+01		2	3	100%	67%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	5.20E+00	9.10E+00	7.23E+00		3	2	100%	100%	67%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	2.79E+02	1.09E+03	7.22E+02		3	1	100%	100%	33%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	1	2.75E-02	2.75E-02	1.46E-02		0	0	33%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.56E+01	1.95E+01	1.81E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	1	3.65E-01	3.65E-01	1.90E-01		0	0	33%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	4.13E+00	7.10E+00	5.64E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	1	2.74E+00	2.74E+00	2.49E+00		1	0	33%	33%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.17E+03	1.82E+03	1.57E+03		3	2	100%	100%	67%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	4.80E+01	5.14E+01	5.02E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	4.13E+01	6.93E+01	5.22E+01		1	1	100%	33%	33%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B117										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	5	1	5.13E-01	5.13E-01	1.19E-01		0	0	20%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	5	1	1.91E-01	1.91E-01	5.44E-02		0	0	20%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	5	1	7.04E-01	7.04E-01	1.57E-01		0	0	20%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	5	1	5.50E-02	5.50E-02	2.72E-02		0	0	20%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	5	1	4.60E-02	4.60E-02	2.54E-02		0	0	20%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	5	1	6.00E-02	6.00E-02	2.82E-02		0	0	20%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	5	1	1.40E-01	1.40E-01	6.05E-02		0	0	20%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	5	1	6.60E-02	6.60E-02	2.94E-02		0	0	20%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	5	1	6.20E-01	6.20E-01	1.57E-01		0	0	20%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	5	1	1.00E-01	1.00E-01	3.62E-02		0	0	20%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	5	1	5.90E-02	5.90E-02	2.80E-02		0	0	20%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	5	1	2.70E-01	2.70E-01	7.06E-02		1	0	20%	20%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	5	1	9.80E-02	9.80E-02	3.58E-02		0	0	20%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	5	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	4	1	1.00E-02	1.00E-02	2.58E-03		1	0	25%	25%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	4	1	2.30E-02	2.30E-02	6.19E-03		1	0	25%	25%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	4	1	4.50E-03	4.50E-03	1.28E-03		0	0	25%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	4	3	9.30E-04	2.90E-03	1.68E-03		0	0	75%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	4	1	1.30E-02	1.30E-02	3.41E-03		0	0	25%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	4	1	4.70E-03	4.70E-03	1.96E-03		0	0	25%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	4	2	1.30E-03	1.60E-03	9.73E-04		0	0	50%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	5	1	2.40E-01	2.40E-01	9.70E-02		0	0	20%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	5	5	1.89E+04	4.34E+04	3.16E+04	4.12E+04	5	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	5	1	1.34E+01	1.34E+01	3.17E+00		1	1	20%	20%	20%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	5	2	1.48E+00	1.97E+00	1.51E+00		0	0	40%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	5	5	9.75E+01	1.12E+02	1.03E+02		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	5	5	6.86E-01	2.22E+00	1.15E+00		0	1	100%	0%	20%
INORG	Boron	7440-42-8	5.00E-01	0	5	5	7.78E+00	2.49E+01	1.44E+01	2.17E+01	5	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	5	5	6.75E-01	2.12E+00	1.23E+00	1.78E+00	5	1	100%	100%	20%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	5	5	2.32E+01	4.65E+01	3.68E+01	4.54E+01	4	3	100%	80%	60%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	5	5	5.71E+00	1.95E+01	1.14E+01	1.69E+01	1	1	100%	20%	20%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	5	5	1.20E+01	5.20E+01	2.70E+01	4.23E+01	2	1	100%	40%	20%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	5	4	6.53E+00	3.76E+01	1.42E+01	2.84E+01	2	2	80%	40%	40%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	5	5	6.70E+00	1.37E+01	9.86E+00	1.23E+01	5	4	100%	100%	80%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	5	5	2.08E+02	5.91E+02	3.51E+02	5.09E+02	3	0	100%	60%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	5	5	2.30E-02	8.80E-02	4.69E-02		0	1	100%	0%	20%
INORG	Molybdenum	7439-98-7	2.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	5	5	8.88E+00	2.51E+01	1.70E+01		0	1	100%	0%	20%
INORG	Perchlorate	14797-73-0	1.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	5	4	1.91E+00	2.97E+00	2.38E+00	2.76E+00	4	0	80%	80%	0%
INORG	Silver	7440-22-4	4.20E+00	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	5	5	2.77E+00	6.90E+00	4.90E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	5	5	6.50E+02	2.03E+03	1.27E+03	1.81E+03	3	2	100%	60%	40%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	5	5	3.12E+01	7.60E+01	5.44E+01	7.23E+01	5	2	100%	100%	40%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	5	5	3.88E+01	2.62E+02	1.03E+02	2.66E+02	3	3	100%	60%	60%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B119120										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	1	4.20E-02	4.20E-02	2.47E-02		0	0	33%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	1	6.00E-03	6.00E-03	3.00E-03		0	0	33%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	1	2.00E-03	2.00E-03	1.00E-03		0	0	33%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	4	1.56E+00	1.01E+02	6.08E+01		4	0	100%	100%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	4	3.41E-01	2.85E+01	1.52E+01	1.78E+01	0	0	100%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	4	1.90E+00	1.30E+02	7.60E+01	8.73E+01	4	0	100%	100%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	3	1.00E+00	2.50E+00	1.21E+00		0	0	75%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	3	6.60E-02	1.00E-01	6.86E-02		0	0	75%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	4	4.80E-02	5.00E+00	2.69E+00		3	0	100%	75%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	4	1.60E-01	1.00E+01	6.04E+00		0	0	100%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	4	1.50E-01	9.00E+00	5.54E+00		0	0	100%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	4	1.90E-01	1.10E+01	6.80E+00		0	0	100%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	4	1.20E-01	6.10E+00	3.91E+00		0	0	100%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	4	8.30E-02	4.40E+00	2.72E+00		0	0	100%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	3	4.80E-02	1.40E-01	6.91E-02		0	0	75%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	1	3.10E-01	3.10E-01	1.08E-01		0	0	25%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	3	1.20E+00	2.40E+00	1.33E+00		3	0	75%	75%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	4	1.40E-01	9.70E+00	5.71E+00		0	0	100%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	3	9.80E-01	1.70E+00	9.50E-01		0	0	75%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	3	5.20E-01	1.30E+00	6.28E-01		3	0	75%	75%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	4	3.00E-01	2.40E+01	1.41E+01		1	0	100%	25%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	3	1.00E+00	2.40E+00	1.16E+00		0	0	75%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	4	1.10E-01	5.40E+00	3.50E+00		0	0	100%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	3	9.10E-02	2.30E-01	1.18E-01		0	0	75%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	3	1.00E-01	3.10E-01	1.48E-01		0	0	75%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	4	1.90E-01	1.80E+01	9.80E+00		0	0	100%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	1	4.70E-02	4.70E-02	2.66E-02		0	0	25%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	4	2.90E-01	2.00E+01	1.16E+01		1	0	100%	25%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	5	2	1.20E-01	1.30E-01	8.50E-02		0	0	40%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	5	1	4.70E-01	4.70E-01	1.40E-01		0	0	20%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	1.76E+04	2.99E+04	2.39E+04		4	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	1.06E+02	1.79E+02	1.34E+02		0	1	100%	0%	25%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	4.62E-01	1.82E+00	9.33E-01		0	1	100%	0%	25%
INORG	Boron	7440-42-8	5.00E-01	0	4	4	1.24E+01	1.85E+01	1.46E+01		4	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	3	2.03E-01	7.24E-01	4.97E-01		2	0	75%	50%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	2.26E+01	8.76E+01	4.39E+01		3	2	100%	75%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	6.57E+00	2.26E+01	1.24E+01		1	1	100%	25%	25%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	9.99E+00	5.70E+01	3.27E+01		2	2	100%	50%	50%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	8.99E+00	4.86E+01	2.18E+01		3	4	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	3.70E+00	6.60E+00	5.25E+00		4	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	1.94E+02	1.01E+03	4.81E+02		3	1	100%	75%	25%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	3	2.93E-02	3.26E-02	2.45E-02		0	0	75%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	1	8.48E-01	8.48E-01	4.07E-01		0	0	25%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	9.42E+00	2.11E+01	1.38E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	1	1.38E+00	1.38E+00	1.37E+00		1	0	25%	25%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	1.95E+00	1.51E+01	9.63E+00		0	2	100%	0%	50%
INORG	Thallium	7440-28-0	1.00E+00	0	4	3	1.75E+00	4.95E+00	3.31E+00		3	0	75%	75%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	1.10E+03	1.65E+03	1.44E+03		4	3	100%	100%	75%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	3.30E+01	8.97E+01	5.32E+01		4	1	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	5.09E+01	7.49E+01	5.97E+01		4	3	100%	100%	75%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B121										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	0	0	0	0	0		0	0	0%	0%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	0	0	0	0	0		0	0	0%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	0	0	0	0	0		0	0	0%	0%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	0	0	0	0	0		0	0	0%	0%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	0	0	0	0	0		0	0	0%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	0	0	0	0	0		0	0	0%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	0	0	0	0	0		0	0	0%	0%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B122										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	9	1	2.70E-02	2.70E-02	6.89E-03		0	0	11%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	9	1	1.20E-02	1.20E-02	1.78E-03		0	0	11%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	9	7	3.00E-03	8.00E-03	3.50E-03		0	0	78%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	9	1	1.07E+00	1.07E+00	1.37E-01		0	0	11%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	9	1	2.68E-01	2.68E-01	4.76E-02		0	0	11%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	9	2	4.88E-01	1.21E+00	2.04E-01	5.19E-01	1	0	22%	11%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	9	1	1.00E-01	1.00E-01	2.92E-02		0	0	11%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	9	1	1.10E-01	1.10E-01	3.03E-02		0	0	11%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	9	1	2.00E-01	2.00E-01	4.03E-02		0	0	11%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	9	1	5.40E-02	5.40E-02	2.41E-02		0	0	11%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	9	1	8.40E-02	8.40E-02	2.74E-02		0	0	11%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	9	1	1.10E-01	1.10E-01	4.86E-02		0	0	11%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	9	1	1.30E-01	1.30E-01	3.25E-02		0	0	11%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	9	1	1.00E-01	1.00E-01	2.92E-02		0	0	11%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	9	1	4.90E-02	4.90E-02	2.35E-02		0	0	11%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	9	1	6.70E-02	6.70E-02	2.53E-02		0	0	11%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	9	1	9.00E-02	9.00E-02	2.79E-02		0	0	11%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	9	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	9	1	2.20E-01	2.20E-01	4.25E-02		0	0	11%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	9	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	9	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	9	9	9.39E+03	4.38E+04	2.58E+04	3.40E+04	9	1	100%	100%	11%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	9	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	9	4	1.37E+00	6.11E+00	2.76E+00		0	1	44%	0%	11%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	9	9	4.12E+01	9.08E+01	7.01E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	9	8	2.85E-01	9.29E-01	5.22E-01		0	0	89%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	9	3	1.17E+00	2.00E+00	8.46E-01	1.52E+00	3	0	33%	33%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	9	7	2.70E-01	2.81E+00	9.17E-01	1.36E+00	6	2	78%	67%	22%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	9	9	1.14E+01	7.79E+01	3.57E+01	4.64E+01	6	4	100%	67%	44%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	9	9	2.41E+00	9.26E+00	5.09E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	9	9	1.40E+00	4.15E+01	1.72E+01	2.41E+01	2	2	100%	22%	22%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	9	9	5.96E+00	3.87E+01	1.45E+01	2.03E+01	6	8	100%	67%	89%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	9	9	3.80E+00	1.43E+01	7.04E+00	9.04E+00	9	3	100%	100%	33%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	7	7	7.61E+01	3.31E+02	1.92E+02	2.34E+02	2	0	100%	29%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	9	7	1.28E-02	2.40E-01	7.78E-02	1.33E-01	2	4	78%	22%	44%
INORG	Molybdenum	7439-98-7	2.00E+00	0	9	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	9	9	4.01E+00	1.44E+01	9.79E+00		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	9	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	9	1	3.19E+00	3.19E+00	8.74E-01		1	0	11%	11%	0%
INORG	Silver	7440-22-4	4.20E+00	0	9	2	2.95E-01	4.76E-01	1.70E-01		0	0	22%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	9	9	3.17E+00	4.98E+01	1.12E+01		0	3	100%	0%	33%
INORG	Thallium	7440-28-0	1.00E+00	0	9	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	9	3	1.77E+00	3.29E+00	1.97E+00		0	0	33%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	9	9	4.14E+02	8.39E+02	6.61E+02		0	0	100%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	9	9	1.91E+01	8.49E+01	4.83E+01	6.25E+01	9	2	100%	100%	22%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	9	9	1.32E+01	1.85E+02	6.74E+01	1.21E+02	3	3	100%	33%	33%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B123										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	1	2.68E-01	2.68E-01	8.23E-02		0	0	25%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	1	4.16E-01	4.16E-01	1.19E-01		0	0	25%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	1	4.80E-02	4.80E-02	2.73E-02		0	0	25%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	1	5.20E-02	5.20E-02	2.83E-02		0	0	25%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	1.56E+04	3.44E+04	2.61E+04		4	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	1	1.27E+00	1.27E+00	1.99E+00		1	0	25%	25%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	1	2.17E+00	2.17E+00	2.15E+00		0	0	25%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	3.75E+01	8.75E+01	5.92E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	2.87E-01	6.59E-01	4.96E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	2	2.51E+01	3.03E+01	1.46E+01		2	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	1.68E+01	5.25E+01	3.55E+01		2	2	100%	50%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	1.65E+00	3.95E+00	2.64E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	7.81E+00	1.91E+01	1.27E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	1.05E+01	2.47E+01	1.65E+01		3	4	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	1	1	9.30E+00	9.30E+00	9.30E+00		1	1	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	7.82E+01	1.36E+02	1.01E+02		0	0	100%	0%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	4	2.35E-02	1.24E-01	8.79E-02		3	3	100%	75%	75%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	1	5.62E-01	5.62E-01	3.39E-01		0	0	25%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	5.38E+00	1.49E+01	1.06E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	2	6.10E-03	7.60E-03	4.09E-03		0	0	50%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	3.36E+00	5.40E+00	4.38E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	4	1	2.55E+00	2.55E+00	3.07E+00		1	0	25%	25%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	4.01E+02	1.12E+03	7.25E+02		1	0	100%	25%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	2.89E+01	7.59E+01	5.51E+01		4	2	100%	100%	50%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	1.57E+01	6.62E+01	3.80E+01		2	1	100%	50%	25%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B124135										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	10	3	1.80E-02	1.00E-01	1.71E-02		0	0	30%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	10	1	6.00E-03	6.00E-03	1.05E-03		0	0	10%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	10	1	9.50E-02	9.50E-02	4.61E-02		0	0	10%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	10	1	3.80E-01	3.80E-01	5.65E-02		1	0	10%	10%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	10	10	1.40E+04	3.99E+04	2.46E+04	2.89E+04	10	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	10	4	1.35E+00	3.53E+00	1.17E+00	2.05E+00	4	1	40%	40%	10%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	10	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	10	10	1.14E+02	2.82E+02	1.61E+02		0	6	100%	0%	60%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	10	10	2.17E-01	1.24E+00	5.67E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	10	10	5.28E+00	1.65E+01	1.18E+01	1.37E+01	10	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	10	10	4.23E-01	1.35E+00	9.15E-01	1.05E+00	10	0	100%	100%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	10	10	1.95E+01	3.71E+01	2.60E+01	2.90E+01	5	1	100%	50%	10%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	10	10	5.78E+00	1.18E+01	9.31E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	10	10	8.12E+00	6.78E+03	6.94E+02	7.42E+03	2	2	100%	20%	20%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	10	10	1.51E+00	5.27E+01	1.32E+01	2.59E+01	3	5	100%	30%	50%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	10	10	4.80E+00	1.29E+01	8.37E+00	9.77E+00	10	7	100%	100%	70%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	10	10	2.36E+02	1.19E+03	5.41E+02	7.17E+02	10	1	100%	100%	10%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	10	10	1.78E-02	3.40E-01	6.62E-02	1.30E-01	1	3	100%	10%	30%
INORG	Molybdenum	7439-98-7	2.00E+00	0	10	1	6.17E-01	6.17E-01	3.00E-01		0	0	10%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	9	9	7.03E+00	1.70E+01	1.34E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	10	2	1.49E+00	1.54E+00	7.75E-01	1.51E+00	2	0	20%	20%	0%
INORG	Silver	7440-22-4	4.20E+00	0	10	1	4.39E-01	4.39E-01	1.41E-01		0	0	10%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	10	10	4.75E+00	1.50E+01	8.46E+00		0	3	100%	0%	30%
INORG	Thallium	7440-28-0	1.00E+00	0	10	9	1.92E+00	4.60E+00	2.44E+00	3.02E+00	9	0	90%	90%	0%
INORG	Tin	7440-31-5	5.30E+01	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	10	10	7.24E+02	2.58E+03	1.54E+03	1.83E+03	9	7	100%	90%	70%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	10	10	2.69E+01	6.15E+01	3.98E+01	4.53E+01	10	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	10	10	2.89E+01	1.06E+02	6.70E+01	8.01E+01	9	6	100%	90%	60%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B125136										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	1	7.00E-04	7.00E-04	4.33E-04		0	0	33%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	11	3	2.45E-01	2.06E+01	1.98E+00	6.04E+00	1	0	27%	9%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	11	2	2.33E-01	8.88E+00	8.46E-01		0	0	18%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	11	3	3.99E-01	2.95E+01	2.82E+00	2.69E+01	1	0	27%	9%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	11	1	1.10E+00	1.10E+00	1.19E-01		0	0	9%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	11	1	1.60E+00	1.60E+00	1.65E-01		1	0	9%	9%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	11	2	9.00E-02	2.50E+00	2.53E-01		0	0	18%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	11	2	6.50E-02	1.60E+00	1.69E-01		0	0	18%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	11	2	8.80E-02	2.00E+00	2.07E-01		0	0	18%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	11	2	4.80E-02	9.70E-01	1.10E-01		0	0	18%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	11	1	9.20E-01	9.20E-01	1.03E-01		0	0	9%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	11	1	6.70E-02	6.70E-02	2.51E-02		0	0	9%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	11	1	1.10E+00	1.10E+00	1.19E-01		1	0	9%	9%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	11	2	8.30E-02	2.60E+00	2.61E-01		0	0	18%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	11	1	3.20E-01	3.20E-01	4.81E-02		0	0	9%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	11	1	5.50E-01	5.50E-01	6.90E-02		1	0	9%	9%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	11	3	4.70E-02	4.80E+00	4.70E-01		0	0	27%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	11	1	9.10E-01	9.10E-01	1.02E-01		0	0	9%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	11	2	4.40E-02	9.60E-01	1.08E-01		0	0	18%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	11	1	1.60E-01	1.60E-01	3.36E-02		0	0	9%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	11	1	2.90E-01	2.90E-01	4.54E-02		0	0	9%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	11	2	1.10E-01	4.80E+00	4.64E-01		0	0	18%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	11	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	11	2	1.30E-01	3.90E+00	3.84E-01		0	0	18%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	11	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	11	11	1.79E+04	6.32E+04	3.98E+04	4.64E+04	11	3	100%	100%	27%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	11	6	1.94E+00	3.17E+00	2.00E+00	2.72E+00	6	5	55%	55%	45%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	11	9	2.97E+00	5.70E+00	4.21E+00		0	5	82%	0%	45%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	11	11	5.78E+01	2.25E+02	1.19E+02		0	4	100%	0%	36%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	11	6	5.12E-01	1.79E+00	7.67E-01		0	4	55%	0%	36%
INORG	Boron	7440-42-8	5.00E-01	0	11	1	9.82E+00	9.82E+00	2.22E+00		1	0	9%	9%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	11	3	1.88E+00	3.00E+00	6.83E-01	2.20E+00	3	3	27%	27%	27%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	11	11	1.56E+01	6.40E+01	3.82E+01	4.58E+01	9	7	100%	82%	64%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	11	11	3.10E+00	2.17E+01	1.26E+01	1.65E+01	5	5	100%	45%	45%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	11	11	5.51E+00	5.23E+01	2.92E+01	3.81E+01	5	4	100%	45%	36%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	11	11	8.17E+00	1.81E+01	1.33E+01	1.49E+01	8	11	100%	73%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	11	11	6.00E+00	1.88E+01	1.13E+01	1.36E+01	11	7	100%	100%	64%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	8	8	1.02E+02	1.29E+03	4.55E+02	7.21E+02	5	1	100%	63%	13%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	11	11	1.71E-02	1.32E-01	5.99E-02	9.69E-02	3	5	100%	27%	45%
INORG	Molybdenum	7439-98-7	2.00E+00	0	11	1	1.91E+00	1.91E+00	4.20E-01		0	0	9%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	11	11	6.14E+00	4.13E+01	2.01E+01	2.55E+01	1	3	100%	9%	27%
INORG	Perchlorate	14797-73-0	1.00E+00	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	11	8	2.37E+00	4.17E+00	2.57E+00	3.21E+00	8	0	73%	73%	0%
INORG	Silver	7440-22-4	4.20E+00	0	11	10	4.09E-01	1.06E+00	5.76E-01		0	0	91%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	11	11	2.39E+00	1.02E+01	5.50E+00		0	1	100%	0%	9%
INORG	Thallium	7440-28-0	1.00E+00	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	11	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	11	11	7.59E+02	2.84E+03	1.63E+03	2.01E+03	8	7	100%	73%	64%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	11	11	2.86E+01	8.52E+01	6.00E+01	6.85E+01	11	5	100%	100%	45%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	11	11	1.92E+01	2.86E+02	8.09E+01	1.27E+02	7	7	100%	64%	64%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B134										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	1.55E+04	6.01E+04	3.38E+04		4	1	100%	100%	25%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	2	1.80E+00	2.44E+00	1.36E+00		2	1	50%	50%	25%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	4	2.38E+00	4.22E+00	3.32E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	6.20E+01	4.94E+02	2.04E+02		1	2	100%	25%	50%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	2	8.79E-01	9.13E-01	5.89E-01		0	0	50%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	1.08E+01	4.99E+01	2.73E+01		2	1	100%	50%	25%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	4.01E+00	2.84E+01	1.46E+01		2	2	100%	50%	50%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	9.49E+00	5.02E+01	3.07E+01		2	2	100%	50%	50%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	8.57E+00	2.00E+01	1.41E+01		2	4	100%	50%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	2.50E+00	1.01E+01	5.75E+00		4	1	100%	100%	25%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	8.79E+01	4.74E+03	1.38E+03		3	1	100%	75%	25%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	1	5.96E-02	5.96E-02	2.00E-02		0	1	25%	0%	25%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	8.03E+00	2.76E+01	1.67E+01		0	1	100%	0%	25%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	4	1.20E+00	5.93E+00	2.93E+00		4	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	3	4.36E-01	1.38E+00	5.97E-01		0	0	75%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	1.82E+00	7.33E+00	4.94E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	8.75E+02	1.94E+03	1.53E+03		3	3	100%	75%	75%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	1.89E+01	9.55E+01	4.81E+01		4	1	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.85E+01	9.27E+01	5.99E+01		3	2	100%	75%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B142										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	3	5.30E-02	1.90E-01	1.87E-01		0	0	75%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	2	1.40E-02	1.90E-02	5.89E-02		0	0	50%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	1	3.80E-01	3.80E-01	9.61E-02		0	0	25%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	3	2.00E-03	5.00E-03	1.49E-02		0	0	75%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	3	2.70E-01	1.23E+00	6.05E-01		1	0	75%	25%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	5	2	2.20E-01	2.25E-01	1.08E-01		0	0	40%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	5	3	4.25E-01	1.45E+00	6.14E-01	9.53E-01	2	0	60%	40%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	2	1.20E-01	1.60E-01	8.09E-02		0	0	50%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	2	8.40E-02	1.20E-01	6.19E-02		0	0	50%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	2	1.20E-01	1.80E-01	8.59E-02		0	0	50%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	1	6.90E-02	6.90E-02	3.41E-02		0	0	25%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	2	5.90E-02	7.20E-02	4.36E-02		0	0	50%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	2	1.20E-01	1.60E-01	8.09E-02		0	0	50%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	3	4.70E-02	1.70E-01	9.96E-02		0	0	75%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	1	5.90E-02	5.90E-02	3.16E-02		0	0	25%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	2	6.90E-02	8.10E-02	4.84E-02		0	0	50%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	3	4.70E-02	2.20E-01	1.12E-01		0	0	75%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	2	1	3.20E-02	3.20E-02	1.61E-02		1	0	50%	50%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	2	1	6.00E-03	6.00E-03	3.55E-03		0	0	50%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	2	1	1.10E-03	1.10E-03	1.08E-03		0	0	50%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	2	1	2.90E-03	2.90E-03	1.98E-03		0	0	50%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	2	2	3.07E-02	5.50E-02	4.29E-02		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	2	1	2.50E-03	2.50E-03	1.36E-03		1	0	50%	50%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	2	1	2.00E-01	2.00E-01	1.01E-01		1	0	50%	50%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	2	3.10E+00	5.40E+00	2.16E+00		0	0	50%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	1	3.10E+00	3.10E+00	8.26E-01		0	0	25%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	1	1.40E+00	1.40E+00	4.78E-01		0	0	25%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	2.19E+04	4.61E+04	3.55E+04		4	1	100%	100%	25%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	4	1.63E+00	3.09E+00	2.46E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	1.51E+02	2.83E+02	2.11E+02		0	4	100%	0%	100%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	7.21E-01	1.91E+00	1.36E+00		0	2	100%	0%	50%
INORG	Boron	7440-42-8	5.00E-01	0	4	3	2.23E+00	8.26E+00	3.96E+00		3	0	75%	75%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	2	3.79E-01	6.16E-01	2.97E-01		2	0	50%	50%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	1.36E+01	4.97E+01	3.69E+01		3	3	100%	75%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	1.52E+01	2.86E+01	2.25E+01		4	3	100%	100%	75%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	2.97E+01	5.73E+01	4.56E+01		4	3	100%	100%	75%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	5.50E+00	2.20E+01	1.17E+01		2	2	100%	50%	50%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	2.80E+00	4.40E+00	3.70E+00		4	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	2.75E+02	1.83E+03	1.15E+03		4	2	100%	100%	50%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	1	3.27E-02	3.27E-02	1.39E-02		0	0	25%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	2	7.93E-01	8.45E-01	5.63E-01		0	0	50%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	2.59E+01	4.31E+01	3.23E+01		1	4	100%	25%	100%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	1.39E+00	2.77E+00	2.31E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	2.34E+02	7.96E+02	6.19E+02		0	0	100%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	2.63E+01	6.37E+01	5.06E+01		4	1	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.82E+01	4.70E+01	4.42E+01		2	0	100%	50%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B143										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	3	2.10E-02	4.60E-02	3.13E-02		0	0	100%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	1	5.16E-01	5.16E-01	1.89E-01		0	0	33%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	1	6.88E-01	6.88E-01	2.47E-01		0	0	33%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	1	1.10E-01	1.10E-01	5.37E-02		0	0	33%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	1	5.40E-02	5.40E-02	3.55E-02		0	0	33%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	1	1.30E-01	1.30E-01	6.08E-02		0	0	33%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	1	1.60E-01	1.60E-01	7.08E-02		0	0	33%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	1	1.30E-03	1.30E-03	1.30E-03		0	0	100%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	1	1.60E-03	1.60E-03	1.60E-03		0	0	100%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.05E+04	3.27E+04	2.64E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	3.95E+00	5.47E+00	4.57E+00		0	1	100%	0%	33%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	1.11E+02	1.47E+02	1.27E+02		0	1	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	7.36E-01	9.91E-01	8.99E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	1	1.60E+00	1.60E+00	9.88E-01		1	0	33%	33%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	2.51E-01	4.76E-01	3.59E-01		1	0	100%	33%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.11E+01	2.73E+01	2.44E+01		1	0	100%	33%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	3.46E+00	7.44E+00	5.76E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.93E+01	2.54E+01	2.33E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	7.16E+00	1.20E+01	9.02E+00		1	2	100%	33%	67%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	1	6.30E+00	6.30E+00	3.60E+00		1	0	33%	33%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	3.58E+01	3.14E+02	1.31E+02		1	0	100%	33%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	0	0	0	0		0	0	0%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.55E+01	1.77E+01	1.69E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	9.72E+00	1.30E+01	1.18E+01		0	2	100%	0%	67%
INORG	Thallium	7440-28-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	5.80E+02	9.37E+02	7.45E+02		0	0	100%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	2.58E+01	4.70E+01	3.71E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	2.65E+01	4.21E+01	3.60E+01		0	0	100%	0%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B144										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	2	1	2.80E-01	2.80E-01	1.95E-01		0	0	50%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	2	2	3.60E+04	5.19E+04	4.40E+04		2	1	100%	100%	50%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	2	2	1.88E+02	3.35E+02	2.62E+02		1	2	100%	50%	100%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	2	2	1.16E+00	2.53E+00	1.85E+00		0	1	100%	0%	50%
INORG	Boron	7440-42-8	5.00E-01	0	2	1	8.90E+00	8.90E+00	5.93E+00		1	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	2	1	2.27E+00	2.27E+00	1.18E+00		1	1	50%	50%	50%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	2	2	3.42E+01	5.63E+01	4.53E+01		2	2	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	2	2	1.70E+01	2.52E+01	2.11E+01		2	2	100%	100%	100%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	2	2	2.99E+01	3.23E+01	3.11E+01		2	0	100%	100%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	2	2	1.07E+01	1.64E+01	1.36E+01		1	2	100%	50%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	2	2	9.30E+00	1.13E+01	1.03E+01		2	2	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	2	2	7.00E+02	1.38E+03	1.04E+03		2	1	100%	100%	50%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	2	1	1.97E-02	1.97E-02	1.36E-02		0	0	50%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	2	2	2.27E+01	4.95E+01	3.61E+01		1	1	100%	50%	50%
INORG	Perchlorate	14797-73-0	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	2	2	4.34E+00	5.48E+00	4.91E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	2	1	5.05E+00	5.05E+00	4.94E+00		1	0	50%	50%	0%
INORG	Tin	7440-31-5	5.30E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	2	2	2.51E+03	2.51E+03	2.51E+03		2	2	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	2	2	5.22E+01	9.14E+01	7.18E+01		2	1	100%	100%	50%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	2	2	9.30E+01	1.75E+02	1.34E+02		2	2	100%	100%	100%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B146										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	2	1	5.00E-03	5.00E-03	3.00E-03		0	0	50%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	2	1	1.11E+00	1.11E+00	5.66E-01		1	0	50%	50%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	2	1	1.74E-01	1.74E-01	9.65E-02		0	0	50%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	2	1	1.29E+00	1.29E+00	6.53E-01		1	0	50%	50%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	2	1	6.30E-02	6.30E-02	4.13E-02		0	0	50%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	2	1	1.70E-01	1.70E-01	9.48E-02		0	0	50%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	2	1	2.30E-01	2.30E-01	1.25E-01		0	0	50%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	2	1	1.90E-01	1.90E-01	1.05E-01		0	0	50%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	2	1	7.90E-02	7.90E-02	4.93E-02		0	0	50%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	2	1	9.50E-02	9.50E-02	5.73E-02		0	0	50%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	2	1	7.10E-02	7.10E-02	4.53E-02		0	0	50%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	2	1	1.20E-01	1.20E-01	6.98E-02		0	0	50%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	2	1	5.30E-02	5.30E-02	3.63E-02		0	0	50%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	2	1	7.50E-02	7.50E-02	4.73E-02		0	0	50%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	2	2	2.03E+04	2.40E+04	2.22E+04		2	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	2	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	2	2	7.50E+01	7.95E+01	7.73E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	2	1	6.50E-01	6.50E-01	4.52E-01		0	0	50%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	2	1	1.38E+00	1.38E+00	9.43E-01		1	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	2	1	8.36E-01	8.36E-01	4.59E-01		1	0	50%	50%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	2	2	2.86E+01	2.98E+01	2.92E+01		2	0	100%	100%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	2	2	6.46E+00	1.37E+01	1.01E+01		1	0	100%	50%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	2	2	5.52E+00	5.55E+01	3.05E+01		1	1	100%	50%	50%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	2	2	1.17E+01	1.40E+01	1.29E+01		2	2	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	2	2	8.20E+00	9.00E+00	8.60E+00		2	2	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	2	2	1.86E+02	6.50E+02	4.18E+02		1	0	100%	50%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	2	2	4.54E-02	6.45E-02	5.50E-02		0	1	100%	0%	50%
INORG	Molybdenum	7439-98-7	2.00E+00	0	2	1	6.66E+00	6.66E+00	3.46E+00		1	0	50%	50%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	2	2	1.22E+01	1.45E+01	1.34E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	2	2	6.70E+00	1.25E+01	9.60E+00		0	1	100%	0%	50%
INORG	Thallium	7440-28-0	1.00E+00	0	2	2	2.61E+00	3.47E+00	3.04E+00		2	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	2	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	2	2	7.82E+02	1.09E+03	9.36E+02		1	0	100%	50%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	2	2	3.15E+01	4.60E+01	3.88E+01		2	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	2	2	3.91E+01	4.91E+01	4.41E+01		1	0	100%	50%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B147										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	14	5	1.40E-02	6.40E-02	1.58E-02		0	0	36%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	14	1	7.00E-03	7.00E-03	3.18E-03		0	0	7%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	14	1	3.00E-03	3.00E-03	8.93E-04		0	0	7%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	14	1	5.20E-02	5.20E-02	4.36E-03		0	0	7%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	14	9	4.00E-03	7.00E-03	3.61E-03		0	0	64%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	14	4	2.00E-03	6.60E-02	8.46E-03	1.94E-02	4	0	29%	29%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	14	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	12	1	5.08E-01	5.08E-01	6.40E-02		0	0	8%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	14	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	14	1	6.52E-01	6.52E-01	6.52E-02		0	0	7%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	12	1	9.90E-02	9.90E-02	5.10E-02		0	0	8%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	12	1	6.90E-02	6.90E-02	2.74E-02		0	0	8%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	12	1	1.10E-01	1.10E-01	3.08E-02		0	0	8%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	12	1	1.00E-01	1.00E-01	3.00E-02		0	0	8%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	12	1	4.90E-02	4.90E-02	2.58E-02		0	0	8%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	12	2	1.40E-01	2.20E-01	6.94E-02		0	0	17%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	12	1	7.70E-02	7.70E-02	2.81E-02		0	0	8%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	12	5	1.60E-01	7.60E-01	1.43E-01	3.16E-01	5	0	42%	42%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	12	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	12	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	4	2	5.00E-04	1.00E-02	2.93E-03		1	0	50%	25%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	4	1	1.60E-03	1.60E-03	6.45E-04		1	0	25%	25%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	3	2	2.00E-02	2.45E-02	1.49E-02		0	0	67%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	4	1	1.90E-03	1.90E-03	1.13E-03		0	0	25%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	4	4	9.80E-04	1.40E-02	5.42E-03		0	0	100%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	4	2	4.00E-02	4.60E-02	2.42E-02		0	0	50%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	4	1	6.50E-03	6.50E-03	2.10E-03		1	0	25%	25%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	3	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	12	1	2.90E-01	2.90E-01	8.38E-02		0	0	8%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	12	2	2.70E-01	5.20E-01	1.21E-01	3.41E-01	0	0	17%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	12	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	12	2	3.50E-01	5.90E-01	1.35E-01		0	0	17%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	12	12	2.36E+04	4.99E+04	3.63E+04	3.95E+04	12	1	100%	100%	8%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	12	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	12	8	1.67E+00	4.24E+00	1.90E+00		0	0	67%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	12	12	7.62E+01	3.92E+02	1.20E+02	1.66E+02	1	1	100%	8%	8%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	12	12	6.62E-01	1.64E+00	9.52E-01		0	1	100%	0%	8%
INORG	Boron	7440-42-8	5.00E-01	0	12	11	3.56E+00	1.49E+01	9.63E+00	1.20E+01	11	0	92%	92%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	12	10	3.37E-01	1.30E+00	7.38E-01	9.45E-01	9	0	83%	75%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	12	12	2.28E+01	1.10E+02	5.02E+01	6.38E+01	11	9	100%	92%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	12	12	5.27E+00	1.88E+01	1.10E+01	1.30E+01	2	2	100%	17%	17%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	12	12	2.21E+01	6.64E+01	3.74E+01	4.63E+01	8	4	100%	67%	33%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	12	12	9.29E+00	1.91E+01	1.27E+01	1.40E+01	9	12	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	12	12	6.20E+00	9.30E+00	7.39E+00	7.88E+00	12	6	100%	100%	50%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	12	12	9.54E+01	6.20E+02	2.43E+02	3.34E+02	5	0	100%	42%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	12	9	2.82E-02	2.66E-01	6.44E-02	1.01E-01	2	4	75%	17%	33%
INORG	Molybdenum	7439-98-7	2.00E+00	0	12	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	12	12	1.37E+01	3.50E+01	2.01E+01		0	2	100%	0%	17%
INORG	Perchlorate	14797-73-0	1.00E+00	0	12	1	5.40E-03	5.40E-03	1.74E-03		0	0	8%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	12	5	1.26E+00	2.02E+00	1.04E+00	1.54E+00	5	0	42%	42%	0%
INORG	Silver	7440-22-4	4.20E+00	0	12	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	12	12	3.80E+00	1.22E+01	6.16E+00		0	2	100%	0%	17%
INORG	Thallium	7440-28-0	1.00E+00	0	12	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	12	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	12	12	8.37E+02	1.58E+03	1.24E+03	1.34E+03	11	4	100%	92%	33%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	12	12	3.15E+01	6.81E+01	5.62E+01	6.17E+01	12	3	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	12	12	3.60E+01	4.08E+02	1.06E+02	1.64E+02	9	8	100%	75%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B148										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	1	3.00E-03	3.00E-03	1.50E-03		0	0	33%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	2	7.00E-03	1.40E-02	7.50E-03		0	0	67%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	2	1	6.20E-04	6.20E-04	3.60E-04		0	0	50%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	2	2	1.20E-03	2.20E-03	1.70E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	2	1	1.00E-03	1.00E-03	7.45E-04		0	0	50%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.35E+04	3.75E+04	2.83E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	1	1.27E+00	1.27E+00	8.33E-01		1	0	33%	33%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	1.64E+00	3.63E+00	2.38E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	1.23E+02	1.44E+02	1.34E+02		0	1	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	9.38E-01	1.20E+00	1.10E+00		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	2	1.06E+00	1.41E+00	8.51E-01		2	0	67%	67%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.02E+01	3.17E+01	2.54E+01		1	0	100%	33%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	1.20E+01	3.63E+02	1.31E+02		2	2	100%	67%	67%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	3.08E+00	1.27E+01	7.38E+00		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	7.66E+00	1.41E+01	1.12E+01		2	3	100%	67%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	4.10E+00	1.18E+01	6.90E+00		3	1	100%	100%	33%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	4.26E+02	1.84E+03	9.23E+02		3	1	100%	100%	33%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	3.24E-02	8.53E-02	5.54E-02		0	1	100%	0%	33%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	1	6.56E-01	6.56E-01	3.93E-01		0	0	33%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	9.96E+00	1.95E+01	1.33E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	3	1.63E+00	2.18E+00	1.91E+00		3	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	4.22E+00	5.26E+00	4.74E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	3	2.03E+00	4.14E+00	2.92E+00		3	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.97E+03	2.08E+03	2.04E+03		3	3	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	4.01E+01	5.67E+01	4.78E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	5.21E+01	7.19E+01	6.26E+01		3	2	100%	100%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B149										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	5	1	6.00E-03	6.00E-03	2.20E-03		0	0	20%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	6	2	5.10E-01	1.40E+00	3.32E-01	1.04E+00	2	0	33%	33%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	6	6	1.70E+04	3.75E+04	2.99E+04	3.63E+04	6	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	6	4	1.63E+00	2.90E+00	1.77E+00	2.55E+00	4	3	67%	67%	50%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	6	6	2.48E+00	4.06E+00	3.11E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	6	6	4.06E+01	1.25E+02	9.08E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	6	2	7.89E-01	8.62E-01	4.06E-01		0	0	33%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	6	6	7.88E+00	1.57E+01	1.23E+01	1.48E+01	6	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	6	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	6	6	1.81E+01	3.82E+01	2.99E+01	3.64E+01	4	3	100%	67%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	6	6	3.08E+00	1.83E+01	9.75E+00	1.41E+01	1	1	100%	17%	17%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	6	6	6.76E+00	3.37E+01	2.16E+01	3.08E+01	3	1	100%	50%	17%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	6	6	1.21E+01	2.26E+01	1.57E+01	1.88E+01	6	6	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	6	6	6.10E+00	9.70E+00	7.73E+00	8.70E+00	6	4	100%	100%	67%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	6	6	7.64E+01	8.81E+02	3.74E+02	5.18E+02	4	0	100%	67%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	6	6	3.69E-02	7.84E-02	6.42E-02		0	4	100%	0%	67%
INORG	Molybdenum	7439-98-7	2.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	6	6	6.43E+00	2.11E+01	1.44E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	6	5	1.11E+00	3.15E+00	1.98E+00	2.75E+00	5	0	83%	83%	0%
INORG	Silver	7440-22-4	4.20E+00	0	6	3	2.97E-01	3.70E-01	2.19E-01		0	0	50%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	6	6	3.47E+00	9.32E+00	5.98E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	6	6	5.46E+02	1.80E+03	1.27E+03	1.68E+03	3	3	100%	50%	50%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	6	6	3.19E+01	6.23E+01	4.96E+01	5.97E+01	6	1	100%	100%	17%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	6	6	2.02E+01	1.04E+02	5.55E+01	7.93E+01	3	3	100%	50%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B150151										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	1	2.00E-03	2.00E-03	1.00E-03		0	0	33%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	3	7.00E-03	8.00E-03	7.33E-03		0	0	100%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	1	6.88E+00	6.88E+00	2.31E+00		1	0	33%	33%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	1	3.05E-01	3.05E-01	1.15E-01		0	0	33%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	1	7.19E+00	7.19E+00	2.41E+00		1	0	33%	33%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	1	5.20E-02	5.20E-02	3.07E-02		0	0	33%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	1	1.40E-01	1.40E-01	6.00E-02		1	0	33%	33%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	1	6.60E-01	6.60E-01	2.33E-01		0	0	33%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	1	3.50E-01	3.50E-01	1.30E-01		0	0	33%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	1	9.10E-01	9.10E-01	3.17E-01		0	0	33%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	1	1.70E-01	1.70E-01	7.00E-02		0	0	33%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	1	4.30E-01	4.30E-01	1.57E-01		0	0	33%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	1	1.70E-01	1.70E-01	7.00E-02		0	0	33%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	1	1.00E+00	1.00E+00	3.47E-01		0	0	33%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	1	6.30E-02	6.30E-02	3.43E-02		0	0	33%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	1	1.50E+00	1.50E+00	5.13E-01		0	0	33%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	1	2.00E-01	2.00E-01	8.00E-02		0	0	33%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	1	1.60E+00	1.60E+00	5.47E-01		0	0	33%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	1	5.10E-04	5.10E-04	5.10E-04		0	0	100%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	2.60E-03	2.60E-03	2.60E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	1	3.80E-04	3.80E-04	3.80E-04		0	0	100%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	1	2.10E-01	2.10E-01	1.10E-01		0	0	33%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.67E+04	3.11E+04	2.84E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	1	1.44E+00	1.44E+00	8.53E-01		0	0	33%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	7.12E+01	1.27E+02	9.24E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	7.19E-01	9.28E-01	8.30E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	1	1.49E+00	1.49E+00	8.47E-01		1	0	33%	33%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	1	2.60E-01	2.60E-01	1.42E-01		0	0	33%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.75E+01	6.36E+01	5.16E+01		3	2	100%	100%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	5.40E+00	6.38E+00	5.88E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	8.02E+00	1.99E+01	1.25E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.24E+01	1.42E+01	1.30E+01		3	3	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	9.50E+00	2.10E+01	1.39E+01		3	3	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	1.31E+02	1.93E+02	1.58E+02		0	0	100%	0%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	3.01E-02	6.20E-02	4.84E-02		0	1	100%	0%	33%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	2	7.05E-01	8.53E+00	3.17E+00		1	0	67%	33%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	9.06E+00	1.18E+01	1.05E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	5.27E+00	6.73E+00	6.02E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	3	2.43E+00	2.75E+00	2.57E+00		3	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	3	1.89E+00	2.34E+00	2.05E+00		0	0	100%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.05E+03	1.41E+03	1.23E+03		3	1	100%	100%	33%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	4.27E+01	4.73E+01	4.56E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	4.93E+01	4.02E+02	1.86E+02		3	2	100%	100%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B152										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	1	4.90E-01	4.90E-01	2.25E-01		0	0	33%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	3.85E+04	7.47E+04	5.34E+04		3	2	100%	100%	67%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	2.06E+00	8.10E+00	6.07E+00		0	2	100%	0%	67%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	9.54E+01	1.41E+02	1.12E+02		0	1	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	4.50E-01	6.64E-01	5.35E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	2	1.22E+01	2.28E+01	1.26E+01		2	0	67%	67%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	1	1.34E+00	1.34E+00	6.15E-01		1	0	33%	33%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	3.45E+01	5.17E+01	4.38E+01		3	3	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	5.44E+00	1.07E+01	8.78E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.89E+01	2.30E+01	2.04E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.21E+01	1.78E+01	1.49E+01		3	3	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	9.90E+00	1.82E+01	1.30E+01		3	3	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	2	2	1.46E+02	5.56E+02	3.51E+02		1	0	100%	50%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	9.54E-02	2.20E-01	1.43E-01		2	3	100%	67%	100%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	1	7.92E-01	7.92E-01	4.41E-01		0	0	33%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.54E+01	2.02E+01	1.79E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	1	7.91E+00	7.91E+00	3.89E+00		1	0	33%	33%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	7.25E+00	1.53E+01	1.08E+01		0	1	100%	0%	33%
INORG	Thallium	7440-28-0	1.00E+00	0	3	1	4.11E+00	4.11E+00	4.38E+00		1	0	33%	33%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	9.13E+02	1.05E+03	9.60E+02		1	0	100%	33%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	5.63E+01	9.30E+01	6.94E+01		3	1	100%	100%	33%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	3.62E+01	4.65E+01	4.10E+01		1	0	100%	33%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B153										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	1	1.60E-02	1.60E-02	8.50E-03		0	0	25%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	4	5.00E-03	2.10E-02	1.30E-02		0	0	100%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	1	7.20E-01	7.20E-01	1.96E-01		1	0	25%	25%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	1	5.90E-04	5.90E-04	5.90E-04		0	0	100%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	1.60E-03	1.60E-03	1.60E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	1	3.10E-03	3.10E-03	3.10E-03		0	0	100%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	1.67E+04	4.07E+04	3.14E+04		4	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	4	3.10E+00	6.27E+00	4.29E+00		0	1	100%	0%	25%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	4.58E+01	1.01E+02	8.16E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	5.47E-01	1.14E+00	8.46E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	1	1.39E+00	1.39E+00	7.66E-01		1	0	25%	25%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	2.02E+01	6.75E+01	4.46E+01		3	3	100%	75%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	5.42E+00	1.05E+01	8.41E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	1.08E+01	2.65E+01	2.02E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	7.91E+00	1.72E+01	1.40E+01		3	4	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	6.20E+00	1.35E+01	1.07E+01		4	3	100%	100%	75%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	6.66E+01	3.92E+02	2.50E+02		3	0	100%	75%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	4	3.08E-02	5.80E-02	4.45E-02		0	1	100%	0%	25%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	1.00E+01	1.99E+01	1.55E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	2.79E+00	8.78E+00	6.15E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	4	2	4.25E+00	4.51E+00	3.46E+00		2	0	50%	50%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	7.85E+02	1.42E+03	1.06E+03		2	1	100%	50%	25%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	2.77E+01	5.69E+01	4.86E+01		4	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.18E+01	2.81E+02	1.08E+02		3	3	100%	75%	75%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B154										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	1	3.50E-01	3.50E-01	1.55E-01		0	0	33%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	3.05E+04	4.37E+04	3.92E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	8.38E+01	2.69E+02	1.84E+02		0	2	100%	0%	67%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	7.25E-01	2.98E+00	2.15E+00		0	2	100%	0%	67%
INORG	Boron	7440-42-8	5.00E-01	0	3	3	1.47E+01	1.93E+01	1.63E+01		3	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	1	7.22E-01	7.22E-01	5.06E-01		1	0	33%	33%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.61E+01	4.68E+01	3.92E+01		3	2	100%	100%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	6.08E+00	3.09E+01	2.21E+01		2	2	100%	67%	67%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.32E+01	7.23E+01	4.97E+01		2	2	100%	67%	67%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.23E+01	1.78E+01	1.45E+01		3	3	100%	100%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	7.50E+00	1.90E+01	1.33E+01		3	3	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	1.47E+02	1.69E+03	9.52E+02		2	2	100%	67%	67%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	1	1.82E-02	1.82E-02	1.03E-02		0	0	33%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	1	1.61E+00	1.61E+00	7.10E-01		0	0	33%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.21E+01	6.08E+01	3.68E+01		1	2	100%	33%	67%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	1	1.31E+00	1.31E+00	2.29E+00		1	0	33%	33%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	3.02E+00	3.83E+00	3.51E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	2	2.01E+00	1.18E+01	5.99E+00		2	0	67%	67%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.23E+03	2.23E+03	1.89E+03		3	2	100%	100%	67%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	3.70E+01	7.48E+01	5.90E+01		3	2	100%	100%	67%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	4.18E+01	1.86E+02	1.36E+02		2	2	100%	67%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B155										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	2	1.60E-02	1.80E-02	1.11E-02		0	0	50%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	2	2.00E-03	5.00E-03	2.63E-03		0	0	50%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	6	1	1.00E-01	1.00E-01	3.43E-02		0	0	17%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	1	1	2.50E-03	2.50E-03	2.50E-03		0	0	100%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	1	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	6	3	2.10E-01	8.90E-01	3.01E-01	5.88E-01	0	0	50%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	6	6	1.85E+04	6.96E+04	3.70E+04	5.09E+04	6	1	100%	100%	17%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	6	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	6	1	1.68E+00	1.68E+00	1.55E+00		0	0	17%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	6	6	5.06E+01	2.26E+02	1.22E+02		0	2	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	6	6	3.89E-01	9.36E-01	6.62E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	6	3	1.07E+01	1.35E+01	6.65E+00	1.24E+01	3	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	6	4	2.70E-01	1.42E+00	5.27E-01	8.83E-01	3	0	67%	50%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	6	6	2.46E+01	5.62E+01	4.01E+01	4.78E+01	5	4	100%	83%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	6	6	2.99E+00	2.51E+01	1.30E+01	2.08E+01	2	2	100%	33%	33%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	6	6	1.78E+01	4.26E+01	2.83E+01	3.73E+01	2	2	100%	33%	33%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	6	6	7.36E+00	1.18E+01	9.43E+00	1.06E+01	1	5	100%	17%	83%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	6	6	4.10E+00	8.00E+00	6.30E+00	7.42E+00	6	2	100%	100%	33%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	5.63E+02	1.62E+03	9.25E+02		3	1	100%	100%	33%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	6	6	2.41E-02	7.63E-02	4.25E-02		0	1	100%	0%	17%
INORG	Molybdenum	7439-98-7	2.00E+00	0	6	3	6.52E-01	8.00E-01	6.94E-01		0	0	50%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	6	6	1.17E+01	2.87E+01	1.74E+01		0	2	100%	0%	33%
INORG	Perchlorate	14797-73-0	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	6	6	2.98E+00	1.88E+01	7.05E+00		0	1	100%	0%	17%
INORG	Thallium	7440-28-0	1.00E+00	0	6	2	2.34E+00	3.93E+00	2.88E+00	3.72E+00	2	0	33%	33%	0%
INORG	Tin	7440-31-5	5.30E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	6	6	7.44E+02	1.10E+03	9.71E+02	1.08E+03	2	0	100%	33%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	6	6	4.00E+01	7.15E+01	5.34E+01	6.32E+01	6	2	100%	100%	33%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	6	6	2.33E+01	5.19E+01	4.01E+01	4.88E+01	2	0	100%	33%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B156										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	1	1.00E-02	1.00E-02	1.00E-02		0	0	100%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	1	1.00E-03	1.00E-03	1.00E-03		0	0	100%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	1	2.00E-03	2.00E-03	2.00E-03		0	0	100%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	1	3.20E-01	3.20E-01	1.80E-01		0	0	33%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.44E+04	4.02E+04	3.23E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	2	1.65E+00	2.18E+00	1.52E+00		2	1	67%	67%	33%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	3.59E+00	4.25E+00	3.88E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	8.02E+01	9.62E+01	8.97E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	3	1.13E+01	1.44E+01	1.29E+01		3	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	1	1.42E+00	1.42E+00	5.34E-01		1	0	33%	33%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.67E+01	5.28E+01	4.40E+01		3	2	100%	100%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	9.12E+00	1.01E+01	9.48E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	2.07E+01	6.28E+01	3.52E+01		1	1	100%	33%	33%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.00E+01	2.99E+01	1.90E+01		2	3	100%	67%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	8.30E+00	9.70E+00	9.07E+00		3	3	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	1.18E+02	4.80E+02	2.59E+02		1	0	100%	33%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	2.23E-02	6.63E-02	4.81E-02		0	2	100%	0%	67%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	1	9.43E-01	9.43E-01	5.15E-01		0	0	33%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.39E+01	2.04E+01	1.72E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	3	2.54E+00	3.77E+00	3.09E+00		3	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	2	3.14E-01	3.82E-01	2.75E-01		0	0	67%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	5.69E+00	9.15E+00	7.21E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.14E+03	1.40E+03	1.25E+03		3	1	100%	100%	33%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	3.99E+01	6.82E+01	5.25E+01		3	1	100%	100%	33%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	4.23E+01	1.85E+02	9.68E+01		2	2	100%	67%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	B-E-R										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.77E+04	4.45E+04	3.36E+04		3	1	100%	100%	33%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	3	2.53E+00	5.50E+00	4.17E+00		0	1	100%	0%	33%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	9.69E+01	2.08E+02	1.43E+02		0	1	100%	0%	33%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	2	1.09E+00	1.79E+00	1.05E+00		0	1	67%	0%	33%
INORG	Boron	7440-42-8	5.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	3.73E-01	1.82E+00	1.08E+00		3	1	100%	100%	33%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	1.03E+01	4.01E+01	2.73E+01		2	1	100%	67%	33%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	3.60E+00	1.66E+01	9.93E+00		1	1	100%	33%	33%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	3.04E+00	4.72E+01	2.43E+01		1	1	100%	33%	33%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	1.05E+01	1.37E+01	1.19E+01		2	3	100%	67%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	8.78E+01	8.94E+02	4.55E+02		2	0	100%	67%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	1	4.15E-02	4.15E-02	1.84E-02		0	0	33%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	7.31E+00	3.02E+01	1.83E+01		0	1	100%	0%	33%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	2	2.56E+00	3.05E+00	2.06E+00		2	0	67%	67%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	1.58E+00	7.60E+00	4.32E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	9.09E+02	2.12E+03	1.52E+03		2	2	100%	67%	67%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	1.72E+01	6.26E+01	4.25E+01		3	1	100%	100%	33%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	5.21E+01	9.18E+01	6.94E+01		3	2	100%	100%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	BP										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	4	2	9.00E-04	9.00E-04	6.00E-04		0	0	50%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	4	1	2.00E-03	2.00E-03	8.75E-04		0	0	25%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	2	1.60E-01	2.50E-01	1.25E-01		0	0	50%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	2	6.10E-01	9.20E-01	3.93E-01		0	0	50%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	4	1	1.80E+00	1.80E+00	5.31E-01		1	0	25%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	2	1.00E-01	7.90E-01	2.43E-01		0	0	50%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	3	1.10E-01	8.40E-01	2.80E-01		0	0	75%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	1	7.20E-01	7.20E-01	1.96E-01		1	0	25%	25%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	1	1.70E+00	1.70E+00	4.74E-01		0	0	25%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	1	4.80E-01	4.80E-01	1.69E-01		0	0	25%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	2.72E+04	5.00E+04	3.74E+04		4	2	100%	100%	50%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	4	4.82E+00	6.35E+00	5.29E+00		0	3	100%	0%	75%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	9.13E+01	8.81E+02	2.99E+02		1	1	100%	25%	25%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	5.68E-01	1.28E+00	8.42E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	2	3.16E+00	3.11E+01	8.83E+00		2	0	50%	50%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	4	2.11E+00	2.37E+00	2.28E+00		4	4	100%	100%	100%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	3.27E+01	9.98E+01	5.73E+01		4	3	100%	100%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	9.22E+00	2.28E+01	1.42E+01		1	1	100%	25%	25%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	2.89E+01	4.11E+01	3.66E+01		4	3	100%	100%	75%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	7.78E+00	6.37E+01	3.61E+01		3	4	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	4.00E+00	7.90E+00	6.23E+00		4	2	100%	100%	50%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	1	1	9.17E+02	9.17E+02	9.17E+02		1	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	4	5.63E-02	1.00E-01	8.12E-02		0	4	100%	0%	100%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	3	6.24E-01	8.78E-01	6.32E-01		0	0	75%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	1.13E+01	2.15E+01	1.68E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	1	4.80E-02	4.80E-02	1.30E-02		0	0	25%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	4	1.81E+00	2.68E+00	2.26E+00		4	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	4	4.66E-01	1.57E+00	7.75E-01		0	0	100%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	6.74E+00	1.35E+01	1.06E+01		0	2	100%	0%	50%
INORG	Thallium	7440-28-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	1	1.74E+01	1.74E+01	5.38E+00		0	0	25%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	6.61E+02	9.57E+02	8.58E+02		0	0	100%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	4.28E+01	6.62E+01	5.70E+01		4	2	100%	100%	50%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.37E+01	2.00E+02	9.58E+01		3	2	100%	75%	50%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	BVL										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	1	1	4.14E+04	4.14E+04	4.14E+04		1	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	1	1	1.61E+02	1.61E+02	1.61E+02		0	1	100%	0%	100%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	1	1	1.21E+00	1.21E+00	1.21E+00		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	1	1	2.22E+01	2.22E+01	2.22E+01		1	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	1	1	4.86E+01	4.86E+01	4.86E+01		1	1	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	1	1	2.03E+01	2.03E+01	2.03E+01		1	1	100%	100%	100%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	1	1	3.93E+01	3.93E+01	3.93E+01		1	1	100%	100%	100%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	1	1	7.27E+00	7.27E+00	7.27E+00		0	0	100%	0%	0%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	1	1	1.05E+01	1.05E+01	1.05E+01		1	1	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	1	1	4.28E+02	4.28E+02	4.28E+02		1	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	1	1	3.19E-02	3.19E-02	3.19E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	1	1	2.77E+01	2.77E+01	2.77E+01		0	1	100%	0%	100%
INORG	Perchlorate	14797-73-0	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	1	1	6.60E+00	6.60E+00	6.60E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	1	1	1.55E+03	1.55E+03	1.55E+03		1	1	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	1	1	6.30E+01	6.30E+01	6.30E+01		1	1	100%	100%	100%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	1	1	1.23E+02	1.23E+02	1.23E+02		1	1	100%	100%	100%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	DA23										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	4	2	8.00E-03	3.10E-02	1.20E-02		0	0	50%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	5	2	2.00E-03	3.00E-03	1.30E-03		0	0	40%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	5	1	9.00E-03	9.00E-03	2.20E-03		0	0	20%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	5	1	7.00E-03	7.00E-03	2.50E-03		0	0	20%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	5	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	1	3.09E+01	3.09E+01	1.03E+01		1	0	33%	33%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	6	1	1.11E+01	1.11E+01	1.86E+00		0	0	17%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	6	1	4.20E+01	4.20E+01	7.01E+00		1	0	17%	17%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	1	1.40E+00	1.40E+00	4.81E-01		0	0	33%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	1	1.40E+00	1.40E+00	4.81E-01		1	0	33%	33%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	1	3.30E+00	3.30E+00	1.11E+00		0	0	33%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	1	2.30E+00	2.30E+00	7.81E-01		0	0	33%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	1	3.00E+00	3.00E+00	1.01E+00		0	0	33%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	1	1.40E+00	1.40E+00	4.81E-01		0	0	33%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	1	1.30E+00	1.30E+00	4.47E-01		0	0	33%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	1	8.00E-02	8.00E-02	4.07E-02		0	0	33%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	1	1.00E+00	1.00E+00	3.47E-01		1	0	33%	33%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	1	3.60E+00	3.60E+00	1.21E+00		0	0	33%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	1	3.90E-01	3.90E-01	1.44E-01		0	0	33%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	1	6.30E-01	6.30E-01	2.24E-01		1	0	33%	33%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	1	8.40E+00	8.40E+00	2.81E+00		0	0	33%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	1	8.30E-01	8.30E-01	2.91E-01		0	0	33%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	1	1.30E+00	1.30E+00	4.47E-01		0	0	33%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	1	1.40E-01	1.40E-01	6.07E-02		0	0	33%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	1	2.10E-01	2.10E-01	8.40E-02		0	0	33%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	2	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	1	7.10E+00	7.10E+00	2.38E+00		0	0	33%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	1	5.90E+00	5.90E+00	1.98E+00		0	0	33%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	2	1	2.10E-03	2.10E-03	2.18E-03		0	0	50%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	2	1	2.50E-02	2.50E-02	1.58E-02		0	0	50%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	2	1	4.50E-04	4.50E-04	2.43E-03		0	0	50%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	2	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	1	4.30E+00	4.30E+00	1.12E+00		0	0	25%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	1	7.50E-01	7.50E-01	2.36E-01		0	0	25%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	1	9.20E+00	9.20E+00	2.35E+00		0	0	25%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	1	4.20E-01	4.20E-01	2.24E-01		0	0	25%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	1	1.30E+01	1.30E+01	3.30E+00		0	0	25%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	1	1.70E+00	1.70E+00	4.74E-01		0	0	25%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	1	6.00E+01	6.00E+01	1.50E+01		1	0	25%	25%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.95E+04	4.13E+04	3.70E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	2	1.71E+00	2.29E+00	1.56E+00		2	1	67%	67%	33%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	1.27E+02	2.64E+02	2.15E+02		0	2	100%	0%	67%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	3	9.41E-01	1.66E+00	1.38E+00		0	2	100%	0%	67%
INORG	Boron	7440-42-8	5.00E-01	0	3	1	2.39E+00	2.39E+00	1.17E+00		1	0	33%	33%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	3	1.59E+00	1.97E+00	1.82E+00		3	3	100%	100%	100%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	3.85E+01	5.41E+01	4.61E+01		3	3	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	1.30E+01	1.69E+01	1.52E+01		2	1	100%	67%	33%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	2.88E+01	4.45E+01	3.73E+01		3	2	100%	100%	67%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	3.56E+00	2.00E+01	1.11E+01		1	2	100%	33%	67%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	8.00E+00	9.60E+00	8.77E+00		3	3	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	3	3	6.07E+02	9.81E+02	8.31E+02		3	1	100%	100%	33%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	2	1.50E-02	4.49E-02	2.23E-02		0	0	67%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	1.58E+01	3.00E+01	2.41E+01		0	2	100%	0%	67%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	2	2.16E+00	2.52E+00	1.95E+00		2	0	67%	67%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	3.34E+00	8.36E+00	5.39E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	3	3	1.20E+03	2.79E+03	2.16E+03		3	2	100%	100%	67%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	5.05E+01	6.62E+01	6.05E+01		3	2	100%	100%	67%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	9.93E+01	1.35E+02	1.12E+02		3	3	100%	100%	100%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	DEBAREA1										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	3	2	5.00E-02	7.50E-02	4.35E-02		0	0	67%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	3	1	3.00E-03	3.00E-03	1.67E-03		0	0	33%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	3	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	22	1	5.20E+03	5.20E+03	2.36E+02		1	0	5%	5%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	22	1	6.00E+02	6.00E+02	2.74E+01		0	0	5%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	3	3	2.07E+04	3.78E+04	2.72E+04		3	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	3	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	3	3	5.00E+01	9.47E+01	7.37E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	3	2	6.81E-01	8.19E-01	5.60E-01		0	0	67%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	3	3	9.35E+00	1.08E+01	1.01E+01		3	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	3	2	3.77E-01	2.01E+00	8.26E-01		2	1	67%	67%	33%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	3	3	2.01E+01	9.52E+01	6.09E+01		2	2	100%	67%	67%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	3	3	7.22E+00	1.42E+01	1.05E+01		1	0	100%	33%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	3	3	1.94E+01	3.92E+01	3.06E+01		2	2	100%	67%	67%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	3	3	5.36E+00	1.04E+01	8.14E+00		0	2	100%	0%	67%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	3	3	2.90E+00	5.40E+00	4.27E+00		3	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	0	0	0	0	0		0	0	0%	0%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	3	3	2.47E-02	3.28E-02	2.85E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	3	3	9.88E+00	1.80E+01	1.28E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	3	3	3.03E+00	6.97E+00	5.19E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	3	3	1.67E+00	5.06E+00	3.41E+00		3	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	3	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	0	0	0	0	0		0	0	0%	0%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	3	3	2.80E+01	5.46E+01	4.38E+01		3	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	3	3	3.06E+01	5.84E+01	4.91E+01		2	2	100%	67%	67%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	DUMP										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	1	4.72E-01	4.72E-01	1.34E-01		0	0	25%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	1	6.40E-01	6.40E-01	1.76E-01		0	0	25%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	1	4.90E-02	4.90E-02	2.81E-02		0	0	25%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	1	6.50E-02	6.50E-02	3.21E-02		0	0	25%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	1	5.60E-02	5.60E-02	2.99E-02		0	0	25%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	1	5.90E-02	5.90E-02	3.06E-02		0	0	25%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	1	7.30E-02	7.30E-02	3.41E-02		0	0	25%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	1	7.40E-02	7.40E-02	3.44E-02		0	0	25%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	2.10E+04	2.74E+04	2.49E+04		4	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	3	1.54E+00	3.83E+00	2.38E+00		0	0	75%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	9.51E+01	4.16E+02	2.41E+02		1	3	100%	25%	75%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	3	1.08E+00	1.32E+00	9.70E-01		0	0	75%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	3	1.65E+00	1.88E+00	1.34E+00		3	3	75%	75%	75%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	2.92E+01	3.87E+01	3.37E+01		4	2	100%	100%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	1.15E+01	2.58E+01	2.04E+01		3	3	100%	75%	75%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	1.45E+01	5.37E+01	4.30E+01		3	3	100%	75%	75%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	7.65E+00	6.06E+01	3.24E+01		3	4	100%	75%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	2.80E+00	4.70E+00	4.00E+00		4	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	5.50E+02	2.12E+03	1.46E+03		4	3	100%	100%	75%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	3	7.44E-02	4.26E+00	1.10E+00		1	3	75%	25%	75%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	1.23E+01	2.30E+01	1.91E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	4	1.32E+00	2.01E+00	1.81E+00		4	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	4	3.01E-01	2.92E+00	2.03E+00		0	0	100%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	7.11E+00	1.42E+02	4.35E+01		0	3	100%	0%	75%
INORG	Thallium	7440-28-0	1.00E+00	0	4	2	2.07E+00	2.41E+00	1.60E+00		2	0	50%	50%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	1	2.18E+01	2.18E+01	7.03E+00		0	0	25%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	8.39E+02	1.03E+03	9.47E+02		1	0	100%	25%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	4.02E+01	5.43E+01	4.89E+01		4	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	3.12E+01	1.90E+02	1.03E+02		3	3	100%	75%	75%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	PSO										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	1	1	7.00E-03	7.00E-03	7.00E-03		0	0	100%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	1	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	1	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	1	1	2.13E+04	2.13E+04	2.13E+04		1	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	1	1	1.48E+02	1.48E+02	1.48E+02		0	1	100%	0%	100%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	1	1	5.34E-01	5.34E-01	5.34E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	1	1	3.72E+00	3.72E+00	3.72E+00		1	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	1	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	1	1	2.36E+01	2.36E+01	2.36E+01		0	0	100%	0%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	1	1	1.77E+01	1.77E+01	1.77E+01		1	1	100%	100%	100%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	1	1	1.46E+01	1.46E+01	1.46E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	1	1	4.60E+00	4.60E+00	4.60E+00		0	0	100%	0%	0%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	1	1	8.20E+00	8.20E+00	8.20E+00		1	1	100%	100%	100%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	1	1	3.47E+02	3.47E+02	3.47E+02		1	0	100%	100%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	1	1	1.48E-02	1.48E-02	1.48E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	0	0	0	0	0		0	0	0%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	1	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	1	1	7.12E+00	7.12E+00	7.12E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	1	1	2.46E+00	2.46E+00	2.46E+00		1	0	100%	100%	0%
INORG	Tin	7440-31-5	5.30E+01	0	1	1	2.00E+00	2.00E+00	2.00E+00		0	0	100%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	1	1	1.42E+03	1.42E+03	1.42E+03		1	1	100%	100%	100%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	1	1	3.54E+01	3.54E+01	3.54E+01		1	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	1	1	6.09E+01	6.09E+01	6.09E+01		1	1	100%	100%	100%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	TA										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	8	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	8	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	8	8	2.04E+04	3.05E+04	2.52E+04	2.75E+04	8	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	8	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	8	7	1.71E+00	2.66E+00	2.63E+00		0	0	88%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	8	8	8.51E+01	1.85E+02	1.29E+02		0	3	100%	0%	38%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	8	8	4.58E-01	1.28E+00	6.99E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	8	3	1.76E+00	4.52E+00	2.51E+00	3.75E+00	3	0	38%	38%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	8	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	8	8	3.77E+01	1.68E+02	5.58E+01	1.25E+02	8	8	100%	100%	100%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	8	8	9.28E+00	1.45E+01	1.19E+01	1.33E+01	4	0	100%	50%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	8	8	1.32E+01	3.28E+01	2.22E+01	2.64E+01	2	0	100%	25%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	8	8	6.26E+00	1.35E+01	8.69E+00	1.03E+01	1	5	100%	13%	63%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	8	8	3.50E+00	6.70E+00	4.78E+00	5.53E+00	8	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	8	8	3.33E+02	9.66E+02	5.16E+02	6.57E+02	8	1	100%	100%	13%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	8	8	1.67E-02	2.50E-02	2.18E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	8	1	6.13E-01	6.13E-01	6.08E-01		0	0	13%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	8	8	1.12E+01	1.87E+01	1.42E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	8	1	2.80E-03	2.80E-03	1.48E-03		0	0	13%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Silver	7440-22-4	4.20E+00	0	8	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	8	8	5.04E+00	1.22E+01	8.01E+00		0	1	100%	0%	13%
INORG	Thallium	7440-28-0	1.00E+00	0	8	3	2.47E+00	2.89E+00	2.52E+00	2.67E+00	3	0	38%	38%	0%
INORG	Tin	7440-31-5	5.30E+01	0	8	3	1.79E+00	1.98E+00	1.76E+00		0	0	38%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	8	8	7.91E+02	1.17E+03	9.96E+02	1.08E+03	4	0	100%	50%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	8	8	3.99E+01	8.39E+01	5.34E+01	6.35E+01	8	2	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	8	8	1.95E+01	4.00E+01	3.02E+01		0	0	100%	0%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	TRA1										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	3	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	4	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	4	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	4	1	8.30E-01	8.30E-01	2.55E-01		0	0	25%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	4	4	2.68E+04	4.59E+04	3.23E+04		4	1	100%	100%	25%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	4	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	4	3	1.63E+00	3.02E+00	1.95E+00		0	0	75%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	4	4	4.49E+01	8.32E+01	6.87E+01		0	0	100%	0%	0%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	4	4	4.32E-01	2.53E+00	1.28E+00		0	1	100%	0%	25%
INORG	Boron	7440-42-8	5.00E-01	0	4	4	7.00E+00	2.24E+01	1.25E+01		4	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	4	4	6.41E-01	3.33E+00	1.96E+00		4	2	100%	100%	50%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	4	4	2.30E+01	7.72E+01	5.11E+01		3	3	100%	75%	75%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	4	4	7.42E+00	1.18E+01	8.94E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	4	4	1.73E+01	4.17E+01	2.73E+01		2	1	100%	50%	25%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	4	4	6.18E+00	1.66E+01	1.22E+01		3	3	100%	75%	75%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	4	4	3.30E+00	5.80E+00	4.60E+00		4	0	100%	100%	0%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	4	4	1.60E+02	4.44E+02	2.63E+02		2	0	100%	50%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	4	4	3.13E-02	3.89E-02	3.59E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	4	4	1.32E+01	2.29E+01	1.71E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	4	3	1.93E+00	4.92E+00	2.97E+00		3	0	75%	75%	0%
INORG	Silver	7440-22-4	4.20E+00	0	4	1	2.57E-01	2.57E-01	1.51E-01		0	0	25%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	4	4	2.72E+00	5.53E+00	4.33E+00		0	0	100%	0%	0%
INORG	Thallium	7440-28-0	1.00E+00	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	4	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	4	4	8.91E+02	1.18E+03	9.92E+02		1	0	100%	25%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	4	4	3.65E+01	1.02E+02	6.27E+01		4	1	100%	100%	25%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	4	4	2.89E+01	3.38E+01	3.23E+01		0	0	100%	0%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	TRA2										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	6	1	2.50E-01	2.50E-01	1.35E-01		0	0	17%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	6	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	6	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	6	6	1.19E+04	3.07E+04	2.23E+04	2.74E+04	6	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	6	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	6	6	2.84E+00	4.20E+00	3.39E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	6	6	9.14E+01	2.41E+02	1.30E+02		0	1	100%	0%	17%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	6	1	1.21E+00	1.21E+00	5.22E-01		0	0	17%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	6	0	0	0	0		0	0	0%	0%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	6	6	1.76E+01	6.34E+01	3.53E+01	4.87E+01	4	3	100%	67%	50%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	6	6	5.41E+00	1.65E+01	1.02E+01	1.35E+01	1	1	100%	17%	17%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	6	6	5.43E+00	2.59E+01	1.56E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	6	6	9.45E+00	3.08E+01	1.45E+01	2.29E+01	3	6	100%	50%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	6	6	3.60E+00	8.30E+00	5.70E+00	7.02E+00	6	1	100%	100%	17%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	6	6	2.16E+02	2.44E+03	7.35E+02	1.82E+03	5	1	100%	83%	17%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	6	6	1.58E-02	3.93E-02	2.57E-02		0	0	100%	0%	0%
INORG	Molybdenum	7439-98-7	2.00E+00	0	6	1	7.66E-01	7.66E-01	3.70E-01		0	0	17%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	6	6	5.04E+00	1.65E+01	1.16E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	6	2	2.44E+00	3.58E+00	1.56E+00	3.12E+00	2	0	33%	33%	0%
INORG	Silver	7440-22-4	4.20E+00	0	6	3	2.56E-01	7.68E-01	2.88E-01		0	0	50%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	6	6	5.88E+00	1.95E+01	8.79E+00		0	1	100%	0%	17%
INORG	Thallium	7440-28-0	1.00E+00	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	6	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	6	6	4.06E+02	1.07E+03	8.46E+02	1.04E+03	1	0	100%	17%	0%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	6	6	1.56E+01	5.80E+01	4.14E+01	5.37E+01	6	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	6	6	2.58E+01	4.74E+01	4.03E+01	4.68E+01	2	0	100%	33%	0%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

Chem Group	Chemical	CASRN	SLERA Benchmark[1] (mg/kg)	Background Soil Concentration (mg/kg)	TRA3										
					Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	95% UCL (mg/kg)	SLERA Exceed	BG Exceed	Detect %	SLERA Exceed %	BG Exceed %
VOC	Acetone	67-64-1	2.50E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Benzene	71-43-2	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Butanone	78-93-3	8.96E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Butylbenzene	104-51-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	sec-Butylbenzene	135-98-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	tert-Butylbenzene	98-06-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Isopropylbenzene	98-82-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexane	110-82-7	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Cyclohexanone	108-94-1	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	p-Isopropyltoluene	99-87-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2-Dichloroethane	107-06-2	4.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	7.84E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Ethylbenzene	100-41-4	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	2-Hexanone	591-78-6	1.26E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methyl acetate	79-20-9	7.50E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylcyclohexane	108-87-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Methylene chloride	75-09-2	2.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Naphthalene	91-20-3	2.90E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	n-Propyl benzene	103-65-1	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Styrene	100-42-5	1.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	t-Butyl alcohol	75-65-0	3.00E+01	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Tetrachloroethylene	127-18-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Toluene	108-88-3	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Trichloroethylene	79-01-6	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,2,4-Trimethylbenzene	95-63-6	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	1,3,5-Trimethylbenzene	108-67-8	2.00E+02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Vinyl chloride	75-01-4	1.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
VOC	Xylenes (total)	1330-20-7	5.00E-02	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (High MW)	0498-29-2H	1.10E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (Low MW)	0498-29-2L	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	PAHs (total)	30498-29-2	1.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthene	83-32-9	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acenaphthylene	208-96-8	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Acetophenone	98-86-2	3.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Aniline	62-53-3	5.68E-02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Anthracene	120-12-7	1.00E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzo(k)fluoranthene	207-08-9	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzoic acid	65-85-0	9.25E-01	0	10	1	3.90E-01	3.90E-01	1.34E-01		0	0	10%	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	6.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Butylbenzylphthalate	85-68-7	2.39E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Carbazole	86-74-8	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	4-Chloro-3-methylphenol	59-50-7	7.95E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	0	0	0	0	0	0		0	0	0%	0%	0%
SVOC	Chrysene	218-01-9	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzo(a,h)anthracene	53-70-3	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibenzofuran	132-64-9	2.00E-03	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Diethylphthalate	84-66-2	1.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dimethyl phthalate	131-11-3	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Dibutyl phthalate	84-74-2	2.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	1,2-Diphenylhydrazine	122-66-7	6.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluoranthene	206-44-0	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Fluorene	86-73-7	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Benzophenone	119-61-9	9.25E-01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.24E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.24E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	3-Nitroaniline	99-09-2	3.16E+00	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenanthrene	85-01-8	2.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Phenol	108-95-2	5.00E-02	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	Pyrene	129-00-0	1.80E+01	0	10	0	0	0	0		0	0	0%	0%	0%
SVOC	2,4,6-Trichlorophenol	88-06-2	1.00E+01	0	10	0	0	0	0		0	0	0%	0%	0%
PEST	Aldrin	309-00-2	2.50E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	beta-BHC	319-85-7	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	delta-BHC	319-86-8	9.94E+00	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Lindane	58-89-9	5.00E-05	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Chlordane (total)	57-74-9	2.24E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDD	72-54-8	7.58E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDE	72-55-9	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	4,4'-DDT	50-29-3	2.10E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Dieldrin	60-57-1	4.90E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan	115-29-7	1.19E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.58E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin	72-20-8	1.00E-03	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Endrin aldehyde	7421-93-4	1.05E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Heptachlor epoxide	1024-57-3	1.52E-01	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	Methoxychlor	72-43-5	1.99E-02	0	0	0	0	0	0		0	0	0%	0%	0%
PEST	2,4,5-T	93-76-5	5.96E-01	0	0	0	0	0	0		0	0	0%	0%	0%
NonhalogenatedOrganics	Picric acid	88-89-1	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2-Amino-4,6-dinitrotoluene	35572-78-2	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	4-Amino-2,6-dinitrotoluene	19406-51-0	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,4-Dinitrobenzene	100-25-4	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4-Dinitrotoluene	121-14-2	1.28E+00	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	RDX	121-82-4	9.90E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	1.60E+01	0	10	1	7.60E-01	7.60E-01	1.33E-01		0	0	10%	0%	0%
Nitroaromatics	HMX	2691-41-0	6.00E+02	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	1,3,5-Trinitrobenzene	99-35-4	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	Tetryl	479-45-8	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	1.60E+01	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Aluminum	7429-90-5	5.00E+01	4.37E+04	10	10	2.27E+04	2.98E+04	2.51E+04	2.64E+04	10	0	100%	100%	0%
INORG	Antimony	7440-36-0	2.70E-01	2.08E+00	10	0	0	0	0		0	0	0%	0%	0%
INORG	Arsenic	7440-38-2	1.80E+01	4.87E+00	10	10	1.48E+00	2.65E+00	1.99E+00		0	0	100%	0%	0%
INORG	Barium	7440-39-3	3.30E+02	1.37E+02	10	10	7.81E+01	1.83E+02	1.14E+02		0	1	100%	0%	10%
INORG	Beryllium	7440-41-7	2.10E+01	1.37E+00	10	10	5.00E-01	9.07E-01	7.03E-01		0	0	100%	0%	0%
INORG	Boron	7440-42-8	5.00E-01	0	10	10	5.74E+00	8.38E+00	6.84E+00	7.29E+00	10	0	100%	100%	0%
INORG	Cadmium	7440-43-9	3.60E-01	1.58E+00	10	10	5.99E-01	1.00E+00	7.82E-01	8.44E-01	10	0	100%	100%	0%
INORG	Chromium	7440-47-3	2.60E+01	3.40E+01	10	10	1.99E+01	3.09E+01	2.47E+01	2.64E+01	2	0	100%	20%	0%
INORG	Cobalt	7440-48-4	1.30E+01	1.62E+01	10	10	4.74E+00	8.51E+00	6.91E+00		0	0	100%	0%	0%
INORG	Copper	7440-50-8	2.80E+01	3.28E+01	10	10	6.80E+00	1.43E+01	1.09E+01		0	0	100%	0%	0%
INORG	Cyanide	57-12-5	9.00E-01	0	0	0	0	0	0		0	0	0%	0%	0%
INORG	Lead	7439-92-1	1.10E+01	7.51E+00	10	10	8.71E+00	2.82E+01	1.22E+01	1.56E+01	3	10	100%	30%	100%
INORG	Lithium	7439-93-2	2.00E+00	7.37E+00	10	10	5.00E+00	8.80E+00	6.80E+00	7.43E+00	10	3	100%	100%	30%
INORG	Manganese	7439-96-5	2.20E+02	9.54E+02	10	10	1.59E+02	4.87E+02	3.28E+02	3.99E+02	8	0	100%	80%	0%
INORG	Mercury	7439-97-6	1.00E-01	5.51E-02	10	9	1.61E-02	7.28E-02	3.16E-02		0	1	90%	0%	10%
INORG	Molybdenum	7439-98-7	2.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Nickel	7440-02-0	3.80E+01	2.45E+01	10	10	1.07E+01	1.51E+01	1.25E+01		0	0	100%	0%	0%
INORG	Perchlorate	14797-73-0	1.00E+00	0	10	1	2.40E-02	2.40E-02	3.59E-03		0	0	10%	0%	0%
INORG	Selenium	7782-49-2	5.20E-01	0	10	10	1.32E+00	1.92E+00	1.53E+00	1.64E+00	10	0	100%	100%	0%
INORG	Silver	7440-22-4	4.20E+00	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Strontium	7440-24-6	3.29E+04	1.01E+01	10	10	4.20E+00	1.21E+01	6.72E+00		0	1	100%	0%	10%
INORG	Thallium	7440-28-0	1.00E+00	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Tin	7440-31-5	5.30E+01	0	10	0	0	0	0		0	0	0%	0%	0%
INORG	Titanium	7440-32-6	1.00E+03	1.35E+03	10	10	1.01E+03	1.68E+03	1.32E+03	1.43E+03	10	5	100%	100%	50%
INORG	Vanadium	7440-62-2	7.80E+00	6.21E+01	10	10	3.01E+01	4.04E+01	3.62E+01	3.84E+01	10	0	100%	100%	0%
INORG	Zinc	7440-66-6	4.60E+01	5.28E+01	10	10	2.66E+01	5.92E+01	4.02E+01	4.53E+01	1	1	100%	10%	10%

Notes

1. SLERA Screening Criteria, as summarized in Appendix M

M3-1B: Summary Statistics for Surface Water
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Bee Tree Creek								Gregg Branch							
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %
WQ	Chloride	16887-00-6	T	2.30E+02	8	8	1.50E+00	2.50E+00	1.95E+00	0	100%	0%	62	44	1.00E+00	3.40E+00	1.55E+00	0	71%	0%
WQ	Sulfate	14808-79-8	T	0.00E+00	3	3	5.50E+00	7.00E+00	6.07E+00	0	100%	0%	7	3	5.30E+00	5.40E+00	2.39E+00	0	43%	0%
VOC	Acetone	67-64-1	T	1.70E+00	13	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	61	5	3.10E-03	3.60E-03	1.65E-03	0	8%	0%
VOC	Benzene	71-43-2	T	5.30E-02	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	4	1.00E-04	3.00E-04	5.59E-05	0	5%	0%
VOC	2-Butanone	78-93-3	T	2.20E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroethane	75-00-3	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	T	2.89E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	3	1.00E-04	2.00E-04	5.41E-05	0	4%	0%
VOC	Cyclohexane	110-82-7	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	6	1.00E-04	5.00E-04	6.41E-05	0	7%	0%
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	19	1	5.00E-04	5.00E-04	7.37E-05	0	5%	0%	85	37	1.00E-04	1.10E-02	6.54E-04	0	44%	0%
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	20	1.00E-04	2.40E-02	5.95E-04	0	24%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	1	1.00E-04	1.00E-04	5.06E-05	0	1%	0%
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	3	1.00E-04	4.00E-04	5.65E-05	0	4%	0%
VOC	Methyl acetate	79-20-9	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	22	1.00E-04	1.80E-03	1.43E-04	0	26%	0%
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	19	1	4.40E-03	4.40E-03	2.13E-03	0	5%	0%	85	22	4.20E-03	1.60E-01	7.88E-03	0	26%	0%
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	4	2.20E-03	4.00E-03	1.09E-03	0	5%	0%
VOC	Toluene	108-88-3	T	1.10E-02	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	T	4.70E-02	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	23	1.00E-04	4.30E-02	1.27E-03	0	27%	0%
VOC	Vinyl chloride	75-01-4	T	9.30E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	85	2	2.00E-04	3.00E-04	5.47E-05	0	2%	0%
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	T	2.00E-06	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	1	6.60E-06	6.60E-06	2.05E-06	0	5%	0%
PEST	beta-BHC	319-85-7	T	5.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	6	4.70E-06	1.70E-05	2.53E-06	0	7%	0%
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	T	6.67E-01	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	2	3.10E-06	3.70E-06	3.53E-06	0	2%	0%
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	T	1.00E-05	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	T	4.30E-06	14	1	1.50E-05	1.50E-05	2.69E-06	1	7%	7%	81	1	1.50E-05	1.50E-05	2.18E-06	1	1%	1%
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	T	1.05E-02	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	T	5.60E-05	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	1	4.40E-06	4.40E-06	1.95E-06	0	1%	0%
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	T	5.00E-05	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	T	3.60E-05	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	20	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	T	3.80E-06	14	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	87	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	T	1.80E-01	19	1	3.00E-04	3.00E-04	1.14E-04	0	5%	0%	87	24	2.10E-04	3.40E-03	2.76E-04	0	28%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	87	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	87	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	28	1	2.25E-01	2.25E-01	4.67E-02	1	4%	4%
INORG	Aluminum	7429-90-5	T	8.70E-02	8	8	1.03E-01	3.92E-01	1.77E-01	8	100%	100%	62	61	1.70E-01	2.94E+00	8.07E-01	61	98%	98%
INORG	Ammonia	7664-41-7	T	0.00E+00	3	3	3.40E-02	3.60E-02	3.50E-02	0	100%	0%	7	3	3.30E-02	5.50E-02	2.00E-02	0	43%	0%
INORG	Barium	7440-39-3	T	2.20E-01	3	3	1.06E-02	1.17E-02	1.12E-02	0	100%	0%	7	7	1.60E-02	4.48E-02	2.36E-02	0	100%	0%
INORG	Calcium	7440-70-2	T	0.00E+00	3	3	2.05E+00	2.23E+00	2.14E+00	0	100%	0%	7	7	2.92E+00	4.11E+00	3.45E+00	0	100%	0%
INORG	Chromium	7440-47-3	T	5.00E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	7	1	4.20E-03	4.20E-03	1.59E-03	0	14%	0%
INORG	Copper	7440-50-8	T	9.00E-03	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	7	1	4.30E-03	4.30E-03	1.56E-03	0	14%	0%
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	28	19	6.96E-02	4.96E-01	1.18E-01	0	68%	0%
INORG	Iron	7439-89-6	T	1.00E+00	8	8	2.06E-01	5.13E-01	2.87E-01	0	100%	0%	62	62	2.82E-01	1.17E+01	1.56E+00	32	100%	52%
INORG	Lithium	7439-93-2	T	1.40E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	7	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Unnamed Branch								POND1							
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %
WQ	Chloride	16887-00-6	T	2.30E+02	42	37	1.00E+00	7.20E+00	2.86E+00	0	88%	0%	2	2	1.80E+00	3.20E+00	2.50E+00	0	100%	0%
WQ	Sulfate	14808-79-8	T	0.00E+00	7	7	3.30E+00	6.60E+00	4.47E+00	0	100%	0%	1	1	4.80E+00	4.80E+00	4.80E+00	0	100%	0%
VOC	Acetone	67-64-1	T	1.70E+00	46	5	3.00E-03	5.00E-03	1.74E-03	0	11%	0%	2	1	3.40E-03	3.40E-03	2.45E-03	0	50%	0%
VOC	Benzene	71-43-2	T	5.30E-02	57	2	1.00E-04	1.00E-04	5.18E-05	0	4%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	2-Butanone	78-93-3	T	2.20E+00	57	1	1.30E-03	1.30E-03	5.14E-04	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	57	1	1.00E-04	1.00E-04	5.09E-05	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroethane	75-00-3	T	0.00E+00	57	1	1.00E-04	1.00E-04	5.09E-05	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	T	2.89E-01	57	29	1.00E-04	1.70E-02	2.18E-03	0	51%	0%	3	1	3.00E-04	3.00E-04	1.33E-04	0	33%	0%
VOC	Cyclohexane	110-82-7	T	0.00E+00	57	10	1.00E-04	1.60E-02	5.57E-04	0	18%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	57	3	2.00E-04	4.00E-04	6.32E-05	0	5%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	57	30	1.00E-04	7.30E-02	4.34E-03	0	53%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	57	1	1.00E-04	1.00E-04	5.09E-05	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	57	44	1.00E-04	2.30E-02	2.38E-03	0	77%	0%	3	1	3.00E-04	3.00E-04	1.33E-04	0	33%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	57	6	1.00E-04	6.00E-04	6.75E-05	0	11%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	57	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methyl acetate	79-20-9	T	0.00E+00	57	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	1	4.00E-04	4.00E-04	2.33E-04	0	33%	0%
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	57	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	57	7	4.00E-03	4.20E-02	3.49E-03	0	12%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	57	30	1.00E-04	1.60E-02	1.48E-03	0	53%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	57	4	2.60E-03	9.20E-03	1.43E-03	0	7%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Toluene	108-88-3	T	1.10E-02	57	4	1.00E-04	2.00E-04	5.53E-05	0	7%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	57	1	1.00E-04	1.00E-04	5.09E-05	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	T	4.70E-02	57	50	1.00E-04	9.60E-02	8.91E-03	3	88%	5%	3	1	3.00E-04	3.00E-04	1.33E-04	0	33%	0%
VOC	Vinyl chloride	75-01-4	T	9.30E-01	57	9	1.00E-04	3.00E-04	7.19E-05	0	16%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	D	2.00E-06	6	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	T	2.00E-06	52	9	6.40E-06	3.90E-05	4.81E-06	9	17%	17%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	D	5.00E+00	6	3	4.00E-06	5.50E-06	3.43E-06	0	50%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	T	5.00E+00	52	19	4.00E-06	1.90E-05	4.87E-06	0	37%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	D	6.67E-01	6	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	T	6.67E-01	52	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	D	1.00E-05	6	1	4.90E-06	4.90E-06	2.70E-06	0	17%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	T	1.00E-05	52	3	2.10E-06	8.80E-06	1.98E-06	0	6%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	D	4.30E-06	6	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	T	4.30E-06	52	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	D	1.05E-02	6	1	4.70E-06	4.70E-06	2.43E-06	0	17%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	T	1.05E-02	52	2	4.50E-06	5.20E-06	2.34E-06	0	4%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	D	5.60E-05	6	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	T	5.60E-05	52	4	4.80E-06	5.30E-06	2.17E-06	0	8%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	D	5.00E-05	6	1	7.20E-06	7.20E-06	2.85E-06	0	17%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	T	5.00E-05	52	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	D	3.60E-05	6	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	T	3.60E-05	52	1	2.10E-05	2.10E-05	2.29E-06	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	D	3.80E-06	6	2	6.10E-06	7.60E-06	3.60E-06	2	33%	33%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	T	3.80E-06	52	9	4.00E-06	1.20E-05	2.69E-06	9	17%	17%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	57	1	5.30E-02	5.30E-02	2.55E-02	0	2%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	T	1.80E-01	57	53	2.00E-04	1.90E-02	5.85E-03	0	93%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	57	3	2.80E-04	1.30E-01	3.66E-03	0	5%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	57	45	8.40E-04	1.00E-02	2.25E-03	0	79%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	D	8.70E-02	18	5	1.05E-01	2.04E-01	6.78E-02	5	28%	28%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	T	8.70E-02	42	42	2.12E-01	1.19E+01	1.29E+00	42	100%	100%	2	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Ammonia	7664-41-7	T	0.00E+00	7	3	4.20E-02	4.80E-02	1.91E-02	0	43%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Barium	7440-39-3	T	2.20E-01	7	7	1.32E-02	3.66E-02	2.32E-02	0	100%	0%	1	1	4.90E-03	4.90E-03	4.90E-03	0	100%	0%
INORG	Calcium	7440-70-2	T	0.00E+00	7	7	3.32E+00	6.22E+00	4.26E+00	0	100%	0%	1	1	4.91E+00	4.91E+00	4.91E+00	0	100%	0%
INORG	Chromium	7440-47-3	T	5.00E-02	7	1	2.30E-03	2.30E-03	1.31E-03	0	14%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Copper	7440-50-8	T	9.00E-03	7	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Iron	7439-89-6	D	1.00E+00	18	15	5.64E-02	6.59E-01	1.82E-01	0	83%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Iron	7439-89-6	T	1.00E+00	42	42	4.15E-01	3.28E+01	2.41E+00	24	100%	57%	2	2	4.02E-01	8.19E-01	6.11E-01	0	100%	0%
INORG	Lithium	7439-93-2	T	1.40E-02	7	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	POND2								POND3							
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %
WQ	Chloride	16887-00-6	T	2.30E+02	2	2	1.70E+00	3.50E+00	2.60E+00	0	100%	0%	2	2	1.90E+00	2.30E+00	2.10E+00	0	100%	0%
WQ	Sulfate	14808-79-8	T	0.00E+00	1	1	3.00E+00	3.00E+00	3.00E+00	0	100%	0%	1	1	6.20E+00	6.20E+00	6.20E+00	0	100%	0%
VOC	Acetone	67-64-1	T	1.70E+00	2	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	2	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Benzene	71-43-2	T	5.30E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	2-Butanone	78-93-3	T	2.20E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroethane	75-00-3	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	T	2.89E-01	3	2	2.00E-04	7.00E-04	3.17E-04	0	67%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Cyclohexane	110-82-7	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	3	1	7.00E-04	7.00E-04	2.67E-04	0	33%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methyl acetate	79-20-9	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	3	1	1.00E-04	1.00E-04	6.67E-05	0	33%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Toluene	108-88-3	T	1.10E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	1	1.00E-04	1.00E-04	6.67E-05	0	33%	0%
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	T	4.70E-02	3	3	2.00E-04	9.00E-04	4.67E-04	0	100%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Vinyl chloride	75-01-4	T	9.30E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	T	2.00E-06	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	T	5.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	T	6.67E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	T	1.00E-05	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	T	4.30E-06	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	T	1.05E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Dieldrin	60-57-1	T	5.60E-05	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	T	5.00E-05	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endrin	72-20-8	T	3.60E-05	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	T	3.80E-06	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	T	1.80E-01	3	1	2.20E-04	2.20E-04	1.40E-04	0	33%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	3	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	T	8.70E-02	2	1	8.65E-02	8.65E-02	6.33E-02	0	50%	0%	2	1	2.29E-01	2.29E-01	1.35E-01	1	50%	50%
INORG	Ammonia	7664-41-7	T	0.00E+00	1	1	5.80E-02	5.80E-02	5.80E-02	0	100%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Barium	7440-39-3	T	2.20E-01	1	1	1.40E-02	1.40E-02	1.40E-02	0	100%	0%	1	1	1.84E-02	1.84E-02	1.84E-02	0	100%	0%
INORG	Calcium	7440-70-2	T	0.00E+00	1	1	3.79E+00	3.79E+00	3.79E+00	0	100%	0%	1	1	3.05E+00	3.05E+00	3.05E+00	0	100%	0%
INORG	Chromium	7440-47-3	T	5.00E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Copper	7440-50-8	T	9.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Iron	7439-89-6	T	1.00E+00	2	2	6.79E-01	7.52E-01	7.16E-01	0	100%	0%	2	2	1.40E+00	1.60E+00	1.50E+00	2	100%	100%
INORG	Lithium	7439-93-2	T	1.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Bee Tree Creek-2007					Bee Tree Creek-2008					Bee Tree Creek-2010				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	3	3	2.20E+00	2.50E+00	2.33E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	1.50E+00	2.40E+00	1.72E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	3	3	5.50E+00	7.00E+00	6.07E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	3	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	1	5.00E-04	5.00E-04	1.40E-04
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	1	4.40E-03	4.40E-03	2.48E-03
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	3	1	1.50E-05	1.50E-05	5.98E-06	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	3	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	3	3	1.03E-01	2.25E-01	1.49E-01	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	1.33E-01	3.92E-01	1.94E-01
INORG	Ammonia	7664-41-7	T	0.00E+00	3	3	3.40E-02	3.60E-02	3.50E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	3	3	1.06E-02	1.17E-02	1.12E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	3	3	2.05E+00	2.23E+00	2.14E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	3	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	3	3	2.13E-01	3.76E-01	2.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	2.06E-01	5.13E-01	2.95E-01
INORG	Lithium	7439-93-2	T	1.40E-02	3	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Bee Tree Creek-2011					Gregg Branch-2007					Gregg Branch-2008				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	0	0	0.00E+00	0.00E+00	0.00E+00	7	3	2.10E+00	2.70E+00	1.07E+00	0	0	0.00E+00	0.00E+00	0.00E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	7	3	5.30E+00	5.40E+00	2.39E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	5	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	1	2.20E-03	2.20E-03	3.57E-04	19	2	1.00E-04	4.00E-04	7.11E-05
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	1	3.20E-03	3.20E-03	5.00E-04	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	5	0	0.00E+00	0.00E+00	0.00E+00	7	1	6.00E-04	6.00E-04	1.29E-04	19	2	1.00E-04	3.00E-04	6.58E-05
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	1	2.50E-02	2.50E-02	5.29E-03	19	1	7.80E-03	7.80E-03	2.31E-03
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	5	0	0.00E+00	0.00E+00	0.00E+00	7	3	2.00E-04	3.30E-03	5.71E-04	19	1	1.00E-04	1.00E-04	5.26E-05
VOC	Vinyl chloride	75-01-4	T	9.30E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	1	2.00E-04	2.00E-04	7.14E-05	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	1	6.20E-06	6.20E-06	2.13E-06
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	5	1	3.00E-04	3.00E-04	1.43E-04	7	3	2.60E-04	2.40E-03	5.00E-04	19	5	2.40E-04	3.40E-03	3.31E-04
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	5	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	19	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	7	7	1.70E-01	2.94E+00	8.44E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	7	3	3.30E-02	5.50E-02	2.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	7	7	1.60E-02	4.48E-02	2.36E-02	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	7	7	2.92E+00	4.11E+00	3.45E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	7	1	4.20E-03	4.20E-03	1.59E-03	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	7	1	4.30E-03	4.30E-03	1.56E-03	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	7	7	2.82E-01	4.01E+00	1.17E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Gregg Branch-2009					Gregg Branch-2010					Gregg Branch-2011				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	28	28	1.50E+00	3.40E+00	2.26E+00	27	13	1.00E+00	1.90E+00	9.30E-01	0	0	0.00E+00	0.00E+00	0.00E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	28	5	3.10E-03	3.60E-03	1.83E-03	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	28	1	1.00E-04	1.00E-04	5.18E-05	27	2	1.00E-04	2.00E-04	5.74E-05	4	1	3.00E-04	3.00E-04	1.13E-04
VOC	2-Butanone	78-93-3	T	2.20E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	28	1	2.00E-04	2.00E-04	5.54E-05	27	2	1.00E-04	2.00E-04	5.74E-05	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	28	1	1.00E-04	1.00E-04	5.18E-05	27	4	1.00E-04	5.00E-04	8.33E-05	4	1	3.00E-04	3.00E-04	1.13E-04
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	28	16	2.00E-04	5.70E-03	5.14E-04	27	16	2.00E-04	1.10E-02	1.26E-03	4	2	3.00E-04	2.90E-03	8.25E-04
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	28	9	1.00E-04	4.80E-03	3.16E-04	27	8	1.00E-04	6.60E-03	4.69E-04	4	2	5.00E-04	2.40E-02	6.15E-03
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	1	1.00E-04	1.00E-04	6.25E-05
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	28	1	1.00E-04	1.00E-04	5.18E-05	27	2	2.00E-04	4.00E-04	6.85E-05	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	28	7	1.00E-04	9.00E-04	1.48E-04	27	10	1.00E-04	7.00E-04	1.43E-04	4	2	1.00E-04	1.80E-03	5.00E-04
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	28	8	4.20E-03	4.40E-02	7.37E-03	27	11	4.30E-03	4.10E-02	8.03E-03	4	1	1.60E-01	1.60E-01	4.15E-02
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	28	1	2.30E-03	2.30E-03	1.05E-03	27	3	2.20E-03	4.00E-03	1.24E-03	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	28	8	2.00E-04	1.50E-02	7.57E-04	27	9	1.00E-04	2.00E-02	1.41E-03	4	2	7.00E-04	4.30E-02	1.10E-02
VOC	Vinyl chloride	75-01-4	T	9.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	4	1	3.00E-04	3.00E-04	1.13E-04
PEST	Aldrin	309-00-2	D	2.00E-06	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	20	1	6.60E-06	6.60E-06	2.05E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	28	5	4.70E-06	1.70E-05	3.12E-06	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	28	1	3.10E-06	3.10E-06	1.48E-06	27	1	3.70E-06	3.70E-06	7.05E-06	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	28	0	0.00E+00	0.00E+00	0.00E+00	27	1	1.50E-05	1.50E-05	2.83E-06	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	28	1	4.40E-06	4.40E-06	1.99E-06	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	20	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	28	9	2.40E-04	1.20E-03	2.66E-04	27	6	2.10E-04	1.10E-03	2.20E-04	6	1	3.80E-04	3.80E-04	1.47E-04
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	28	0	0.00E+00	0.00E+00	0.00E+00	27	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	28	1	2.25E-01	2.25E-01	4.67E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	28	27	4.74E-01	2.94E+00	1.11E+00	27	27	2.96E-01	6.90E-01	4.84E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	28	19	6.96E-02	4.96E-01	1.18E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	28	28	5.02E-01	1.17E+01	2.37E+00	27	27	3.33E-01	2.54E+00	8.26E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Unnamed Branch-2007					Unnamed Branch-2008					Unnamed Branch-2009				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	7	7	3.60E+00	7.20E+00	5.54E+00	0	0	0.00E+00	0.00E+00	0.00E+00	18	18	1.10E+00	4.20E+00	2.66E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	7	7	3.30E+00	6.60E+00	4.47E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	6	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	18	5	3.00E-03	5.00E-03	2.11E-03
VOC	Benzene	71-43-2	T	5.30E-02	7	1	1.00E-04	1.00E-04	5.71E-05	10	1	1.00E-04	1.00E-04	5.50E-05	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	7	1	1.30E-03	1.30E-03	6.14E-04	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	10	1	1.00E-04	1.00E-04	5.50E-05	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	7	6	2.00E-04	1.40E-02	3.84E-03	10	4	5.00E-04	9.70E-03	2.15E-03	18	9	2.00E-04	8.00E-03	1.58E-03
VOC	Cyclohexane	110-82-7	T	0.00E+00	7	2	9.00E-04	1.60E-02	2.45E-03	10	2	1.00E-04	1.10E-02	1.15E-03	18	2	2.00E-04	3.00E-04	7.22E-05
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	7	2	2.00E-04	3.00E-04	1.07E-04	10	1	4.00E-04	4.00E-04	8.50E-05	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	7	4	3.00E-04	7.30E-02	1.52E-02	10	4	1.00E-04	3.20E-02	3.84E-03	18	10	3.00E-04	1.50E-02	2.23E-03
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	7	1	1.00E-04	1.00E-04	5.71E-05	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	7	4	6.00E-04	3.50E-03	1.12E-03	10	6	2.00E-04	2.50E-03	5.70E-04	18	15	1.00E-04	1.40E-02	2.51E-03
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	7	2	1.00E-04	2.00E-04	7.86E-05	10	1	1.00E-04	1.00E-04	5.50E-05	18	1	1.00E-04	1.00E-04	5.28E-05
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	7	2	1.30E-02	4.20E-02	9.29E-03	10	1	2.60E-02	2.60E-02	4.40E-03	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	7	4	3.00E-04	1.10E-02	2.04E-03	10	5	1.00E-04	4.30E-03	7.35E-04	18	9	2.00E-04	1.00E-02	9.86E-04
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	7	1	9.20E-03	9.20E-03	2.17E-03	10	0	0.00E+00	0.00E+00	0.00E+00	18	1	7.80E-03	7.80E-03	1.38E-03
VOC	Toluene	108-88-3	T	1.10E-02	7	0	0.00E+00	0.00E+00	0.00E+00	10	3	1.00E-04	1.00E-04	6.50E-05	18	1	2.00E-04	2.00E-04	5.83E-05
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	7	1	1.00E-04	1.00E-04	5.71E-05	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	7	6	1.00E-04	2.90E-02	5.62E-03	10	7	1.00E-04	8.00E-03	1.93E-03	18	17	2.00E-04	6.80E-02	8.64E-03
VOC	Vinyl chloride	75-01-4	T	9.30E-01	7	1	3.00E-04	3.00E-04	8.57E-05	10	1	3.00E-04	3.00E-04	7.50E-05	18	2	1.00E-04	1.00E-04	5.56E-05
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	7	0	0.00E+00	0.00E+00	0.00E+00	10	5	6.80E-06	3.90E-05	1.33E-05	18	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	3	4.00E-06	5.50E-06	3.43E-06
PEST	beta-BHC	319-85-7	T	5.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	10	8	4.00E-06	1.80E-05	8.20E-06	18	11	4.90E-06	1.90E-05	6.29E-06
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	1	4.90E-06	4.90E-06	2.70E-06
PEST	Lindane	58-89-9	T	1.00E-05	7	0	0.00E+00	0.00E+00	0.00E+00	10	2	2.10E-06	2.80E-06	1.26E-06	18	1	8.80E-06	8.80E-06	2.58E-06
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	1	4.70E-06	4.70E-06	2.43E-06
PEST	4,4'-DDE	72-55-9	T	1.05E-02	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	2	4.50E-06	5.20E-06	2.26E-06
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	4	4.80E-06	5.30E-06	2.63E-06
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	1	7.20E-06	7.20E-06	2.85E-06
PEST	Endosulfan	115-29-7	T	5.00E-05	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	7	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00	18	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	2	6.10E-06	7.60E-06	3.60E-06
PEST	Heptachlor	76-44-8	T	3.80E-06	7	4	4.00E-06	1.20E-05	4.48E-06	10	3	6.30E-06	1.20E-05	3.69E-06	18	2	4.00E-06	4.20E-06	2.18E-06
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	10	1	5.30E-02	5.30E-02	2.78E-02	18	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	7	6	5.60E-03	1.50E-02	9.67E-03	10	10	5.50E-03	1.90E-02	9.90E-03	18	16	2.40E-04	7.30E-03	3.73E-03
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	7	2	3.90E-02	1.30E-01	2.42E-02	10	0	0.00E+00	0.00E+00	0.00E+00	18	1	2.80E-04	2.80E-04	1.10E-04
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	7	5	9.90E-04	2.70E-03	1.55E-03	10	10	2.70E-03	1.00E-02	4.64E-03	18	12	9.20E-04	1.00E-02	1.80E-03
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	18	5	1.05E-01	2.04E-01	6.78E-02
INORG	Aluminum	7429-90-5	T	8.70E-02	7	7	2.12E-01	1.43E+00	6.25E-01	0	0	0.00E+00	0.00E+00	0.00E+00	18	18	5.39E-01	1.19E+01	1.80E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	7	3	4.20E-02	4.80E-02	1.91E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	7	7	1.32E-02	3.66E-02	2.32E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	7	7	3.32E+00	6.22E+00	4.26E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	7	1	2.30E-03	2.30E-03	1.31E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	18	15	5.64E-02	6.59E-01	1.82E-01
INORG	Iron	7439-89-6	T	1.00E+00	7	7	4.15E-01	2.43E+00	1.44E+00	0	0	0.00E+00	0.00E+00	0.00E+00	18	18	9.31E-01	3.28E+01	3.72E+00
INORG	Lithium	7439-93-2	T	1.40E-02	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Unnamed Branch-2010					Unnamed Branch-2011					POND1-2007				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	17	12	1.00E+00	3.30E+00	1.96E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.20E+00	3.20E+00	3.20E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.80E+00	4.80E+00	4.80E+00
VOC	Acetone	67-64-1	T	1.70E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.40E-03	3.40E-03	3.40E-03
VOC	Benzene	71-43-2	T	5.30E-02	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	17	1	1.00E-04	1.00E-04	5.29E-05	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	17	9	1.00E-04	1.70E-02	2.77E-03	5	1	3.00E-04	3.00E-04	1.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	17	2	2.00E-04	2.00E-04	6.76E-05	5	2	2.00E-04	3.00E-04	1.30E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	17	9	3.00E-04	1.50E-02	2.71E-03	5	3	1.30E-03	8.70E-03	3.42E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	17	15	2.00E-04	2.30E-02	3.52E-03	5	4	3.00E-04	9.70E-03	3.37E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	17	2	2.00E-04	6.00E-04	9.12E-05	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	17	2	4.00E-03	4.70E-03	2.28E-03	5	2	4.20E-03	5.00E-03	3.04E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	17	9	3.00E-04	1.60E-02	1.80E-03	5	3	3.00E-04	1.20E-02	2.90E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	17	1	8.90E-03	8.90E-03	1.46E-03	5	1	2.60E-03	2.60E-03	1.32E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	17	16	4.00E-04	9.60E-02	1.20E-02	5	4	1.00E-03	7.80E-02	1.80E-02	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	17	2	2.00E-04	2.00E-04	6.76E-05	5	3	1.00E-04	3.00E-04	1.20E-04	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	17	4	6.40E-06	1.30E-05	4.53E-06	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	17	1	2.10E-05	2.10E-05	3.02E-06	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	17	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	17	16	2.00E-04	8.40E-03	3.87E-03	5	5	3.70E-03	9.80E-03	6.74E-03	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	17	15	8.40E-04	9.10E-03	1.94E-03	5	3	1.10E-03	1.60E-03	1.16E-03	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	17	17	2.87E-01	4.66E+00	1.03E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.90E-03	4.90E-03	4.90E-03
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.91E+00	4.91E+00	4.91E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	17	17	4.29E-01	7.71E+00	1.42E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.02E-01	4.02E-01	4.02E-01
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	POND1-2008					POND1-2010					POND2-2007				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.80E+00	1.80E+00	1.80E+00	1	1	3.50E+00	3.50E+00	3.50E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.00E+00	3.00E+00	3.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.00E-04	3.00E-04	3.00E-04	1	1	2.00E-04	2.00E-04	2.00E-04
VOC	Cyclohexane	110-82-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.00E-04	3.00E-04	3.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.00E-04	4.00E-04	4.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.00E-04	3.00E-04	3.00E-04	1	1	3.00E-04	3.00E-04	3.00E-04
VOC	Vinyl chloride	75-01-4	T	9.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	8.65E-02	8.65E-02	8.65E-02
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	5.80E-02	5.80E-02	5.80E-02
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.40E-02	1.40E-02	1.40E-02
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.79E+00	3.79E+00	3.79E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	8.19E-01	8.19E-01	8.19E-01	1	1	6.79E-01	6.79E-01	6.79E-01
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	POND2-2008					POND2-2010					POND3-2007				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.70E+00	1.70E+00	1.70E+00	1	1	2.30E+00	2.30E+00	2.30E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	6.20E+00	6.20E+00	6.20E+00
VOC	Acetone	67-64-1	T	1.70E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.00E-04	7.00E-04	7.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.00E-04	7.00E-04	7.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.00E-04	1.00E-04	1.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.00E-04	1.00E-04	1.00E-04
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	1	1	2.00E-04	2.00E-04	2.00E-04	1	1	9.00E-04	9.00E-04	9.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	2.20E-04	2.20E-04	2.20E-04	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	2.29E-01	2.29E-01	2.29E-01
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.84E-02	1.84E-02	1.84E-02
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.05E+00	3.05E+00	3.05E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.52E-01	7.52E-01	7.52E-01	1	1	1.60E+00	1.60E+00	1.60E+00
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00

M3-1B: Summary Statistics for Surface Water
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	POND3-2008					POND3-2010				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.90E+00	1.90E+00	1.90E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	Acetone	67-64-1	T	1.70E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Butanone	78-93-3	T	2.20E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethene	75-35-4	T	3.03E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	trans-1,2-Dichloroethene	156-60-5	T	1.35E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloropropane	78-87-5	T	5.25E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl acetate	79-20-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1,2-Trichloroethane	79-00-5	T	9.40E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	D	6.67E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	delta-BHC	319-86-8	T	6.67E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	D	1.05E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDE	72-55-9	T	1.05E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	D	5.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Dieldrin	60-57-1	T	5.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	D	3.60E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endrin	72-20-8	T	3.60E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nonhalogenated Organics	Picric acid	88-89-1	T	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.40E+00	1.40E+00	1.40E+00
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00

D	Dissolved
Max	Maximum
Min	Minimum
mg/L	Milligrams per liter
T	Total

(a) SLERA Screening Criteria, as summarized in Appendix M.
(b) SLERA exceedances are the number of detected concentrations (after taking the maximum of field duplicates) that are greater than the SLERA benchmark.

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Front Valley								Back Valley								Sitewide							
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %
WQ	Chloride	16887-00-6	T	2.30E+02	19	15	1.10E+00	9.60E+00	3.36E+00	0	79%	0%	11	10	1.60E+00	4.60E+00	2.55E+00	0	91%	0%	30	25	1.10E+00	9.60E+00	3.06E+00	0	83%	0%
WQ	Sulfate	14808-79-8	T	0.00E+00	28	21	2.00E+00	9.52E+01	8.12E+00	0	75%	0%	15	13	1.50E+00	2.50E+01	7.74E+00	0	87%	0%	43	34	1.50E+00	9.52E+01	7.99E+00	0	79%	0%
VOC	Acetone	67-64-1	T	1.70E+00	34	4	3.10E-03	5.10E-03	2.22E-03	0	12%	0%	10	2	3.10E-03	2.50E+00	2.54E-01	1	20%	10%	44	6	3.10E-03	2.50E+00	5.95E-02	1	14%	2%
VOC	Benzene	71-43-2	T	5.30E-02	53	4	1.00E-04	3.00E-04	9.53E-05	0	8%	0%	28	3	8.70E-03	5.80E-01	2.18E-02	1	11%	4%	81	7	1.00E-04	5.80E-01	7.60E-03	1	9%	1%
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	53	2	1.00E-04	2.00E-04	9.15E-05	0	4%	0%	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	2	1.00E-04	2.00E-04	4.19E-04	0	2%	0%
VOC	Chloroethane	75-00-3	T	0.00E+00	48	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	1.60E-03	1.60E-03	1.47E-03	0	5%	0%	67	1	1.60E-03	1.60E-03	4.69E-04	0	1%	0%
VOC	Chloroform	67-66-3	T	2.89E-01	53	13	2.00E-04	1.50E-02	1.09E-03	0	25%	0%	28	2	7.00E-04	1.60E-03	1.10E-03	0	7%	0%	81	15	2.00E-04	1.50E-02	1.09E-03	0	19%	0%
VOC	Chloromethane	74-87-3	T	5.50E+00	48	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	1.20E-01	1.20E-01	6.49E-03	0	5%	0%	67	1	1.20E-01	1.20E-01	1.93E-03	0	1%	0%
VOC	2-Chlorotoluene	95-49-8	T	1.75E-01	48	2	1.00E-04	1.00E-04	7.50E-05	0	4%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	2	1.00E-04	1.00E-04	4.54E-04	0	3%	0%
VOC	4-Chlorotoluene	106-43-4	T	1.75E-01	48	1	1.00E-04	1.00E-04	7.40E-05	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	1	1.00E-04	1.00E-04	4.53E-04	0	1%	0%
VOC	Cyclohexane	110-82-7	T	0.00E+00	48	2	1.00E-04	5.00E-04	8.33E-05	0	4%	0%	19	2	2.30E-01	4.30E-01	3.61E-02	0	11%	0%	67	4	1.00E-04	4.30E-01	1.03E-02	0	6%	0%
VOC	p-Isopropyltoluene	99-87-6	T	8.50E-02	48	1	1.00E-04	1.00E-04	7.40E-05	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	1	1.00E-04	1.00E-04	4.53E-04	0	1%	0%
VOC	1,3-Dichlorobenzene	541-73-1	T	5.02E-02	48	1	5.00E-04	5.00E-04	8.23E-05	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	1	5.00E-04	5.00E-04	4.59E-04	0	1%	0%
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	48	1	2.00E-04	2.00E-04	7.60E-05	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	1	2.00E-04	2.00E-04	4.54E-04	0	1%	0%
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	53	6	1.00E-04	1.80E-02	4.52E-04	0	11%	0%	28	6	1.00E-04	1.90E+00	6.94E-02	0	21%	0%	81	12	1.00E-04	1.90E+00	2.43E-02	0	15%	0%
VOC	1,2-Dichloroethene (total)	540-59-0	T	1.35E+00	3	1	1.50E-03	1.50E-03	6.83E-04	0	33%	0%	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	8	1	1.50E-03	1.50E-03	5.13E-04	0	13%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	T	1.35E+00	48	11	1.00E-04	2.20E-02	1.16E-03	0	23%	0%	19	2	3.90E-03	4.40E-03	1.79E-03	0	11%	0%	67	13	1.00E-04	2.20E-02	1.34E-03	0	19%	0%
VOC	Ethylbenzene	100-41-4	T	4.53E-01	53	1	2.00E-04	2.00E-04	9.06E-05	0	2%	0%	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	1	2.00E-04	2.00E-04	4.18E-04	0	1%	0%
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	48	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	2	7.60E-03	8.90E-03	2.23E-03	0	11%	0%	67	2	7.60E-03	8.90E-03	6.84E-04	0	3%	0%
VOC	Methylene chloride	75-09-2	T	1.93E+00	53	1	8.00E-04	8.00E-04	1.79E-04	0	2%	0%	28	2	4.10E-03	7.10E-03	2.39E-03	0	7%	0%	81	3	8.00E-04	7.10E-03	9.43E-04	0	4%	0%
VOC	Naphthalene	91-20-3	T	6.20E-02	50	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	1.00E-04	1.00E-04	1.41E-03	0	5%	0%	69	1	1.00E-04	1.00E-04	4.54E-04	0	1%	0%
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	49	4	4.50E-03	2.90E-02	4.03E-03	0	8%	0%	21	2	1.00E+00	1.40E+00	1.64E-01	0	10%	0%	70	6	4.50E-03	1.40E+00	5.19E-02	0	9%	0%
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	53	11	1.00E-04	1.50E-02	7.34E-04	0	21%	0%	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	81	11	1.00E-04	1.50E-02	8.39E-04	0	14%	0%
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	48	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	2	1.60E-01	5.40E-01	6.40E-02	0	11%	0%	67	2	1.60E-01	5.40E-01	1.92E-02	0	3%	0%
VOC	Toluene	108-88-3	T	1.10E-02	53	1	5.00E-04	5.00E-04	9.62E-05	0	2%	0%	28	2	1.00E-04	4.00E-04	1.05E-03	0	7%	0%	81	3	1.00E-04	5.00E-04	4.27E-04	0	4%	0%
VOC	1,2,4-Trichlorobenzene	120-82-1	T	4.49E-02	48	1	2.00E-04	2.00E-04	7.60E-05	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	1	2.00E-04	2.00E-04	4.54E-04	0	1%	0%
VOC	Trichloroethylene	79-01-6	T	4.70E-02	53	20	1.00E-04	3.70E-01	2.66E-02	4	38%	8%	28	6	1.00E-04	3.00E+01	1.07E+00	2	21%	7%	81	26	1.00E-04	3.00E+01	3.89E-01	6	32%	7%
VOC	1,2,4-Trimethylbenzene	95-63-6	T	3.30E-02	48	1	2.00E-04	2.00E-04	7.60E-05	0	2%	0%	19	1	1.00E-04	1.00E-04	1.41E-03	0	5%	0%	67	2	1.00E-04	2.00E-04	4.55E-04	0	3%	0%
VOC	Vinyl chloride	75-01-4	T	9.30E-01	48	3	3.00E-04	4.00E-04	9.27E-05	0	6%	0%	19	2	1.50E-03	3.20E-03	1.61E-03	0	11%	0%	67	5	3.00E-04	3.20E-03	5.22E-04	0	7%	0%
VOC	Xylenes (total)	1330-20-7	T	2.70E-02	48	2	2.00E-04	6.00E-04	8.75E-05	0	4%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	67	2	2.00E-04	6.00E-04	4.63E-04	0	3%	0%
SVOC	PAHs (Low MW)	130498-29-2L	T	1.75E-01	50	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	1.00E-04	1.00E-04	1.41E-03	0	5%	0%	69	1	1.00E-04	1.00E-04	4.54E-04	0	1%	0%
SVOC	PAHs (total)	130498-29-2	T	1.75E-01	50	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	1.00E-04	1.00E-04	1.41E-03	0	5%	0%	69	1	1.00E-04	1.00E-04	4.54E-04	0	1%	0%
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	T	3.00E-04	29	3	2.00E-03	5.00E-03	1.24E-03	3	10%	10%	16	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	45	3	2.00E-03	5.00E-03	1.58E-03	3	7%	7%
SVOC	Benzophenone	119-61-9	T	1.75E-01	34	5	1.10E-02	3.80E-02	3.95E-03	0	15%	0%	16	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	50	5	1.10E-02	3.80E-02	3.04E-03	0	10%	0%
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	T	2.00E-06	29	1	6.60E-06	6.60E-06	1.94E-06	1	3%	3%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	6.60E-06	6.60E-06	1.90E-06	1	2%	2%
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	T	5.00E+00	29	1	5.00E-06	5.00E-06	4.20E-06	0	3%	0%	15	1	2.50E-05	2.50E-05	4.53E-06	0	7%	0%	44	2	5.00E-06	2.50E-05	4.31E-06	0	5%	0%
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	T	1.00E-05	29	1	1.50E-05	1.50E-05	2.05E-06	1	3%	3%	15	1	4.00E-06	4.00E-06	1.68E-06	0	7%	0%	44	2	4.00E-06	1.50E-05	1.93E-06	1	5%	2%
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	T	4.30E-06	29	1	4.90E-06	4.90E-06	1.77E-06	1	3%	3%	15	2	6.10E-06	8.30E-06	2.62E-06	2	13%	13%	44	3	4.90E-06	8.30E-06	2.06E-06	3	7%	7%
PEST	2,4 D	94-75-7	T	2.20E-01	29	1	8.20E-04	8.20E-04	1.03E-04	0	3%	0%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	8.20E-04	8.20E-04	9.41E-05	0	2%	0%
PEST	4,4'-DDD	72-54-8	D	6.40E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDD	72-54-8	T	6.40E-06	29	1	8.30E-06	8.30E-06	2.87E-06	1	3%	3%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	8.30E-06	8.30E-06	2.97E-06	1	2%	2%
PEST	4,4'-DDT	50-29-3	D	1.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	T	1.00E-06	29	1	1.20E-05	1.20E-05	3.61E-06	1	3%	3%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	1.20E-05	1.20E-05	3.56E-06	1	2%	2%
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	T	5.00E-05	29	1	6.30E-06	6.30E-06	2.93E-06	0	3%	0%	15	1	3.20E-06	3.20E-06	8.11E-06	0	7%	0%	44	2	3.20E-06	6.30E-06	4.70E-06	0	5%	0%
PEST	Endosulfan sulfate	1031-07-8	D	2.22E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan sulfate	1031-07-8	T	2.22E-03	29	1	2.90E-05	2.90E-05	4.82E-06	0	3%	0%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	2.90E-05	2.90E-05	4.62E-06	0	2%	0%
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor	76-44-8	T	3.80E-06	29	1	4.80E-06	4.80E-06	1.68E-06	1	3%	3%	15	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	44	1	4.80E-06	4.80E-06	1.69E-06	1	2%	2%
PEST	2,4,5-TP Silvex	93-72-1	T	3.00E-02	29	5	1.80E-05	1.20E-04	1.35E-05	0	17%	0%	15	3	1.80E-05	3.50E-05	9.62E-06	0	20%	0%	44	8	1.80E-05	1.20E-04	1.22E-05	0	18%	0%
Nitroaromatics	1,2-Dinitrobenzene	528-29-0	T	2.20E-02	49	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	2.70E-03	2.70E-03	2.38E-04	0	5%	0%	68	1	2.70E-03	2.70E-03	1.39E-04	0	1%	0%
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	T	2.20E-02	49	1	3.00E-04	3.00E-04	1.05E-04	0	2%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	68	1	3.00E-04	3.00E-04	1.04E-04	0	1%	0%
Nitroaromatics	RDX	121-82-4	T	1.80E-01	52	14	2.20E-04	7.90E-02	2.46E-03	0	27%	0%	19	7	4.40E-04	1.80E-02	1.95E-03	0	37%	0%	71	21	2.20E-04	7.90E-02	2.32E-03	0	30%	0%
Nitroaromatics	Nitrobenzene	98-95-3	T	2.70E-01	49	1	2.60E-04	2.60E-04	1.04E-04	0	2%	0%	19	1	4.20E-04	4.20E-04	1.18E-04	0	5%	0%	68	2	2.60E-04	4.20E-04	1.08E-04	0	3%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	49	3	4.40E-04	7.10E-02	1.77E-03	0	6%	0%	19	1	3.40E-04	3.40E-04	1.14E-04	0	5%	0%	68	4	3.40E-04	7.10E-02	1.31E-03	0	6%	0%
Nitroaromatics	2-Nitrotoluene	88-72-2	T	8.80E-01	49	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	19	1	3.10E-04	3.10E-04	1.20E-04	0	5%	0%	68	1	3.10E-04	3.10E-04	1.16E-04	0	1%	0%
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	49	1	2.00E-03	2.00E-03	4.14E-04	0	2%	0%	19	1	1.50E-03	1.50E-03	3.94E-04	0	5%	0%	68	2	1.50E-03	2.00E-03	4.09E-04	0	3%	0%

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Front Valley								Back Valley								Sitewide							
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	SLERA Exceed (b)	Detect %	SLERA Exceed %
Nitroaromatics	Tetryl	479-45-8	T	1.50E-01	49	2	3.30E-04	3.40E-04	1.75E-04	0	4%	0%	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	68	2	3.30E-04	3.40E-04	1.72E-04	0	3%	0%
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	T	8.70E-02	19	15	8.45E-02	6.68E+00	7.62E-01	14	79%	74%	11	11	8.36E-02	1.03E+01	1.49E+00	10	100%	91%	30	26	8.36E-02	1.03E+01	1.03E+00	24	87%	80%
INORG	Ammonia	7664-41-7	T	0.00E+00	19	7	5.30E-02	3.20E+00	3.95E-01	0	37%	0%	11	3	3.40E-02	1.30E-01	3.48E-02	0	27%	0%	30	10	3.40E-02	3.20E+00	2.63E-01	0	33%	0%
INORG	Barium	7440-39-3	T	2.20E-01	19	19	1.07E-02	2.79E-01	6.48E-02	2	100%	11%	11	11	1.11E-02	1.17E-01	3.83E-02	0	100%	0%	30	30	1.07E-02	2.79E-01	5.51E-02	2	100%	7%
INORG	Cadmium	7440-43-9	T	2.50E-04	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	11	1	1.90E-03	1.90E-03	7.32E-04	1	9%	9%	30	1	1.90E-03	1.90E-03	6.53E-04	1	3%	3%
INORG	Calcium	7440-70-2	T	0.00E+00	12	12	1.53E+00	3.43E+01	7.72E+00	0	100%	0%	7	7	1.41E-01	2.20E+01	6.85E+00	0	100%	0%	19	19	1.41E-01	3.43E+01	7.40E+00	0	100%	0%
INORG	Chromium	7440-47-3	T	5.00E-02	24	6	2.60E-03	1.23E-01	7.66E-03	1	25%	4%	20	12	2.30E-03	6.28E-02	1.09E-02	1	60%	5%	44	18	2.30E-03	1.23E-01	9.12E-03	2	41%	5%
INORG	Cobalt	7440-48-4	T	2.40E-02	19	7	8.40E-03	2.51E-02	5.43E-03	1	37%	5%	11	2	7.80E-03	9.40E-03	2.42E-03	0	18%	0%	30	9	7.80E-03	2.51E-02	4.33E-03	1	30%	3%
INORG	Copper	7440-50-8	T	9.00E-03	24	5	2.80E-03	7.61E-02	5.47E-03	2	21%	8%	20	10	3.50E-03	6.35E-02	1.18E-02	5	50%	25%	44	15	2.80E-03	7.61E-02	8.33E-03	7	34%	16%
INORG	Cyanide	57-12-5	T	5.20E-03	23	1	6.10E-03	6.10E-03	2.66E-03	1	4%	4%	20	1	6.40E-03	6.40E-03	2.70E-03	1	5%	5%	43	2	6.10E-03	6.40E-03	2.67E-03	2	5%	5%
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Iron	7439-89-6	T	1.00E+00	12	11	7.45E-02	6.61E+01	1.02E+01	7	92%	58%	7	7	1.87E-01	8.00E+00	2.24E+00	3	100%	43%	19	18	7.45E-02	6.61E+01	7.25E+00	10	95%	53%
INORG	Lead	7439-92-1	T	2.50E-03	24	4	1.70E-03	1.40E-01	8.84E-03	2	17%	8%	20	7	2.70E-03	3.55E-02	6.93E-03	7	35%	35%	44	11	1.70E-03	1.40E-01	7.97E-03	9	25%	20%
INORG	Lithium	7439-93-2	T	1.40E-02	19	1	4.70E-03	4.70E-03	1.34E-02	0	5%	0%	11	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	30	1	4.70E-03	4.70E-03	1.35E-02	0	3%	0%
INORG	Magnesium	7439-95-4	T	3.20E+00	12	12	1.37E+00	1.89E+01	4.30E+00	4	100%	33%	7	7	4.27E-01	3.63E+00	2.38E+00	1	100%	14%	19	19	4.27E-01	1.89E+01	3.59E+00	5	100%	26%
INORG	Manganese	7439-96-5	T	1.20E-01	19	19	1.59E-02	1.42E+01	2.17E+00	13	100%	68%	11	11	8.50E-03	1.65E+00	2.57E-01	6	100%	55%	30	30	8.50E-03	1.42E+01	1.47E+00	19	100%	63%
INORG	Mercury	7439-97-6	D	7.70E-04	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Mercury	7439-97-6	T	7.70E-04	19	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	11	1	7.50E-05	7.50E-05	3.11E-05	0	9%	0%	30	1	7.50E-05	7.50E-05	2.85E-05	0	3%	0%
INORG	Molybdenum	7439-98-7	T	7.30E-02	19	2	5.10E-03	1.32E-02	2.97E-03	0	11%	0%	11	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	30	2	5.10E-03	1.32E-02	2.81E-03	0	7%	0%
INORG	Nickel	7440-02-0	T	5.20E-02	24	5	4.10E-03	1.06E-02	3.14E-03	0	21%	0%	20	13	1.30E-03	3.80E-02	1.20E-02	0	65%	0%	44	18	1.30E-03	3.80E-02	7.18E-03	0	41%	0%
INORG	Nitrate	14797-55-8	T	0.00E+00	29	12	5.80E-02	2.90E+00	3.59E-01	0	41%	0%	16	10	1.80E-01	1.50E+00	3.43E-01	0	63%	0%	45	22	5.80E-02	2.90E+00	3.53E-01	0	49%	0%
INORG	Nitrite	14797-65-0	T	0.00E+00	29	5	3.30E-02	5.90E-02	2.76E-02	0	17%	0%	16	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	45	5	3.30E-02	5.90E-02	2.90E-02	0	11%	0%
INORG	Perchlorate	14797-73-0	T	6.00E-01	49	13	2.00E-04	7.40E-02	3.26E-03	0	27%	0%	21	13	2.00E-04	1.40E-01	1.92E-02	0	62%	0%	70	26	2.00E-04	1.40E-01	8.06E-03	0	37%	0%
INORG	Potassium	7440-09-7	T	0.00E+00	12	12	6.84E-01	3.13E+00	2.09E+00	0	100%	0%	7	7	6.06E-01	3.18E+00	1.69E+00	0	100%	0%	19	19	6.06E-01	3.18E+00	1.94E+00	0	100%	0%
INORG	Selenium	7782-49-2	T	5.00E-03	19	1	1.00E-02	1.00E-02	4.85E-03	1	5%	5%	11	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	30	1	1.00E-02	1.00E-02	4.73E-03	1	3%	3%
INORG	Silver	7440-22-4	T	1.20E-05	19	1	2.30E-03	2.30E-03	9.84E-04	1	5%	5%	11	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	30	1	2.30E-03	2.30E-03	9.40E-04	1	3%	3%
INORG	Sodium	7440-23-5	T	0.00E+00	12	12	1.59E+00	1.81E+01	5.67E+00	0	100%	0%	7	7	2.35E+00	1.14E+01	6.23E+00	0	100%	0%	19	19	1.59E+00	1.81E+01	5.88E+00	0	100%	0%
INORG	Strontium	7440-24-6	T	1.50E+00	19	19	2.09E-02	3.31E-01	6.58E-02	0	100%	0%	11	11	6.30E-03	1.85E-01	8.50E-02	0	100%	0%	30	30	6.30E-03	3.31E-01	7.28E-02	0	100%	0%
INORG	Sulfide	18496-25-8	T	0.00E+00	19	3	1.00E+00	3.80E+00	5.35E-01	0	16%	0%	11	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	30	3	1.00E+00	3.80E+00	4.20E-01	0	10%	0%
INORG	Titanium	7440-32-6	D	2.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%	0	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Titanium	7440-32-6	T	2.00E+00	19	17	2.90E-03	2.52E-01	3.88E-02	0	89%	0%	11	11	4.90E-03	2.97E-01	4.77E-02	0	100%	0%	30	28	2.90E-03	2.97E-01	4.21E-02	0	93%	0%
INORG	Vanadium	7440-62-2	T	1.20E-02	19	5	1.10E-03	1.60E-02	2.18E-03	1	26%	5%	11	3	2.90E-03	2.05E-02	3.33E-03	1	27%	9%	30	8	1.10E-03	2.05E-02	2.60E-03	2	27%	7%
INORG	Zinc	7440-66-6	T	1.20E-01	24	12	4.70E-03	8.06E-01	4.99E-02	2	50%	8%	20	14	5.90E-03	7.33E-02	2.33E-02	0	70%	0%	44	26	4.70E-03	8.06E-01	3.78E-02	2	59%	5%

Notes

D Dissolved
Max Maximum
Min Minimum
mg/L Milligrams per liter
T Total

(a) SLERA Screening Criteria, as summarized in Appendix M.
(b) SLERA exceedances are the number of detected concentrations (after taking the maximum of field duplicates) that are greater than the SLERA benchmark.

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Back Valley - 2007					Back Valley - 2008					Back Valley - 2009					Back Valley - 2010				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	7	7	1.60E+00	4.60E+00	2.77E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	2.40E+00	2.40E+00	1.45E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	7	6	1.50E+00	2.21E+01	6.08E+00	4	4	5.40E+00	2.50E+01	1.62E+01	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	1.70E+00	1.70E+00	1.70E+00
VOC	Acetone	67-64-1	T	1.70E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	3.10E-03	3.10E-03	1.82E-03	0	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	1	1.90E-02	1.90E-02	4.79E-03
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	1	1.60E-03	1.60E-03	4.38E-04
VOC	Chloromethane	74-87-3	T	5.50E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Chlorotoluene	95-49-8	T	1.75E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	4-Chlorotoluene	106-43-4	T	1.75E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	2.30E-01	2.30E-01	1.15E-01
VOC	p-Isopropyltoluene	99-87-6	T	8.50E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,3-Dichlorobenzene	541-73-1	T	5.02E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	9	1	1.00E-04	1.00E-04	1.50E-04	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	2	3.00E-04	2.70E-02	6.85E-03
VOC	1,2-Dichloroethene (total)	540-59-0	T	1.35E+00	2	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	1.35E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	4.40E-03	4.40E-03	2.23E-03
VOC	Ethylbenzene	100-41-4	T	4.53E-01	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	8.90E-03	8.90E-03	4.48E-03
VOC	Methylene chloride	75-09-2	T	1.93E+00	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	1	7.10E-03	7.10E-03	1.85E-03
VOC	Naphthalene	91-20-3	T	6.20E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	1.40E+00	1.40E+00	7.01E-01
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	5.40E-01	5.40E-01	2.71E-01
VOC	Toluene	108-88-3	T	1.10E-02	9	0	0.00E+00	0.00E+00	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.00E-04	4.00E-04	4.00E-04	4	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2,4-Trichlorobenzene	120-82-1	T	4.49E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	9	1	3.00E-04	3.00E-04	1.78E-04	7	1	1.00E-04	1.00E-04	1.86E-04	1	0	0.00E+00	0.00E+00	0.00E+00	4	2	1.00E-04	4.80E-02	1.21E-02
VOC	1,2,4-Trimethylbenzene	95-63-6	T	3.30E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	3.20E-03	3.20E-03	1.63E-03
VOC	Xylenes (total)	1330-20-7	T	2.70E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (Low MW)	130498-29-2L	T	1.75E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (total)	130498-29-2	T	1.75E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	T	3.00E-04	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
SVOC	Benzophenone	119-61-9	T	1.75E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	2.50E-05	2.50E-05	1.34E-05
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	8.30E-06	8.30E-06	5.28E-06
PEST	2,4 D	94-75-7	T	2.20E-01	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	D	6.40E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	T	6.40E-06	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	D	1.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	T	1.00E-06	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	3.20E-06	3.20E-06	2.55E-06
PEST	Endosulfan sulfate	1031-07-8	D	2.22E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan sulfate	1031-07-8	T	2.22E-03	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	7	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
PEST	2,4,5-TP Silvex	93-72-1	T	3.00E-02	7	2	1.80E-05	3.50E-05	1.11E-05	4	1	3.30E-05	3.30E-05	1.19E-05	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1,2-Dinitrobenzene	528-29-0	T	2.20E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	T	2.20E-02	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	7	2	2.90E-03	4.10E-03	1.07E-03	5	1	3.60E-03	3.60E-03	8.00E-04	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	1.80E-02	1.80E-02	9.15E-03
Nitroaromatics	Nitrobenzene	98-95-3	T	2.70E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	4.20E-04	4.20E-04	2.60E-04
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	1	3.40E-04	3.40E-04	1.48E-04	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	2-Nitrotoluene	88-72-2	T	8.80E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	3.10E-04	3.10E-04	2.18E-04
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	7	1	1.50E-03	1.50E-03	4.93E-04	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Back Valley - 2007					Back Valley - 2008					Back Valley - 2009					Back Valley - 2010				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
Nitroaromatics	Tetryl	479-45-8	T	1.50E-01	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	7	7	1.63E-01	1.58E+00	4.63E-01	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	8.36E-02	2.39E-01	1.61E-01
INORG	Ammonia	7664-41-7	T	0.00E+00	7	1	3.40E-02	3.40E-02	9.14E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	1	5.90E-02	5.90E-02	4.20E-02
INORG	Barium	7440-39-3	T	2.20E-01	7	7	1.11E-02	3.26E-02	2.35E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	1.23E-02	3.13E-02	2.18E-02
INORG	Cadmium	7440-43-9	T	2.50E-04	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	7	7	1.41E-01	2.20E+01	6.85E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	9	4	2.30E-03	2.35E-02	5.74E-03	2	2	5.80E-03	7.40E-03	6.60E-03	1	1	6.28E-02	6.28E-02	6.28E-02	4	2	1.18E-02	1.83E-02	8.38E-03
INORG	Cobalt	7440-48-4	T	2.40E-02	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	9	3	3.50E-03	2.59E-02	4.88E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	1	6.35E-02	6.35E-02	6.35E-02	4	2	4.20E-03	2.95E-02	9.10E-03
INORG	Cyanide	57-12-5	T	5.20E-03	9	1	6.40E-03	6.40E-03	2.93E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	7	7	1.87E-01	8.00E+00	2.24E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lead	7439-92-1	T	2.50E-03	9	2	5.30E-03	1.95E-02	5.44E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.55E-02	3.55E-02	3.55E-02	4	2	2.70E-03	1.02E-02	4.95E-03
INORG	Lithium	7439-93-2	T	1.40E-02	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Magnesium	7439-95-4	T	3.20E+00	7	7	4.27E-01	3.63E+00	2.38E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Manganese	7439-96-5	T	1.20E-01	7	7	8.50E-03	3.06E-01	7.97E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	1.37E-01	1.68E-01	1.53E-01
INORG	Mercury	7439-97-6	D	7.70E-04	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Mercury	7439-97-6	T	7.70E-04	7	1	7.50E-05	7.50E-05	3.47E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Molybdenum	7439-98-7	T	7.30E-02	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Nickel	7440-02-0	T	5.20E-02	9	4	8.60E-03	3.57E-02	9.94E-03	2	1	7.50E-03	7.50E-03	5.00E-03	1	1	3.80E-02	3.80E-02	3.80E-02	4	3	3.10E-03	2.36E-02	8.80E-03
INORG	Nitrate	14797-55-8	T	0.00E+00	7	5	1.80E-01	3.90E-01	1.93E-01	5	3	1.90E-01	3.90E-01	1.98E-01	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	1.40E+00	1.50E+00	1.45E+00
INORG	Nitrite	14797-65-0	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Perchlorate	14797-73-0	T	6.00E-01	7	4	2.00E-04	8.30E-02	1.78E-02	5	2	3.50E-02	4.80E-02	1.67E-02	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	3.20E-04	1.40E-01	7.02E-02
INORG	Potassium	7440-09-7	T	0.00E+00	7	7	6.06E-01	3.18E+00	1.69E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Selenium	7782-49-2	T	5.00E-03	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Silver	7440-22-4	T	1.20E-05	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Sodium	7440-23-5	T	0.00E+00	7	7	2.35E+00	1.14E+01	6.23E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Strontium	7440-24-6	T	1.50E+00	7	7	6.30E-03	1.12E-01	6.41E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	7.02E-02	1.42E-01	1.06E-01
INORG	Sulfide	18496-25-8	T	0.00E+00	7	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	D	2.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	T	2.00E+00	7	7	9.30E-03	5.36E-02	2.10E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	2	4.90E-03	5.30E-03	5.10E-03
INORG	Vanadium	7440-62-2	T	1.20E-02	7	1	2.90E-03	2.90E-03	1.06E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00
INORG	Zinc	7440-66-6	T	1.20E-01	9	8	1.65E-02	5.69E-02	2.76E-02	2	1	1.18E-02	1.18E-02	8.40E-03	1	1	4.91E-02	4.91E-02	4.91E-02	4	1	2.85E-02	2.85E-02	1.02E-02

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Back Valley - 2011					Back Valley - 2012					Front Valley - 2007					Front Valley - 2008				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	1	1	4.20E+00	4.20E+00	4.20E+00	1	1	1.60E+00	1.60E+00	1.60E+00	12	8	1.90E+00	9.60E+00	3.35E+00	0	0	0.00E+00	0.00E+00	0.00E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.50E+00	4.50E+00	4.50E+00	12	10	2.10E+00	1.35E+01	5.40E+00	9	7	3.40E+00	1.59E+01	6.29E+00
VOC	Acetone	67-64-1	T	1.70E+00	4	1	2.50E+00	2.50E+00	6.30E-01	0	0	0.00E+00	0.00E+00	0.00E+00	6	1	4.50E-03	4.50E-03	2.00E-03	7	1	5.10E-03	5.10E-03	2.01E-03
VOC	Benzene	71-43-2	T	5.30E-02	6	2	8.70E-03	5.80E-01	9.82E-02	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	3.00E-04	3.00E-04	1.19E-04	11	1	1.00E-04	1.00E-04	9.55E-05
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	6	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	2.00E-04	2.00E-04	1.12E-04	11	1	1.00E-04	1.00E-04	9.55E-05
VOC	Chloroethane	75-00-3	T	0.00E+00	4	1	1.60E-03	1.60E-03	6.68E-03	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	6	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.00E-04	7.00E-04	7.00E-04	13	5	2.00E-04	1.50E-02	1.92E-03	11	2	1.00E-02	1.50E-02	2.35E-03
VOC	Chloromethane	74-87-3	T	5.50E+00	4	1	1.20E-01	1.20E-01	3.03E-02	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Chlorotoluene	95-49-8	T	1.75E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	1.00E-04	1.00E-04	7.08E-05	10	1	1.00E-04	1.00E-04	5.50E-05
VOC	4-Chlorotoluene	106-43-4	T	1.75E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	1	1.00E-04	1.00E-04	5.50E-05
VOC	Cyclohexane	110-82-7	T	0.00E+00	4	1	4.30E-01	4.30E-01	1.14E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	1.00E-04	1.00E-04	7.08E-05	10	1	5.00E-04	5.00E-04	9.50E-05
VOC	p-Isopropyltoluene	99-87-6	T	8.50E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,3-Dichlorobenzene	541-73-1	T	5.02E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	2.00E-04	2.00E-04	7.92E-05	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	6	3	2.00E-04	1.90E+00	3.19E-01	1	0	0.00E+00	0.00E+00	0.00E+00	13	3	1.00E-04	9.00E-04	1.81E-04	11	2	2.00E-04	2.00E-04	1.18E-04
VOC	1,2-Dichloroethene (total)	540-59-0	T	1.35E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.50E-03	1.50E-03	1.50E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	1.35E+00	4	1	3.90E-03	3.90E-03	7.25E-03	1	0	0.00E+00	0.00E+00	0.00E+00	12	2	7.00E-04	6.20E-03	6.17E-04	10	2	6.00E-04	4.20E-03	5.20E-04
VOC	Ethylbenzene	100-41-4	T	4.53E-01	6	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	4	1	7.60E-03	7.60E-03	8.18E-03	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methylene chloride	75-09-2	T	1.93E+00	6	1	4.10E-03	4.10E-03	9.08E-03	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	8.00E-04	8.00E-04	2.15E-04	11	0	0.00E+00	0.00E+00	0.00E+00
VOC	Naphthalene	91-20-3	T	6.20E-02	4	1	1.00E-04	1.00E-04	6.41E-03	1	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	6	1	1.00E+00	1.00E+00	3.35E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	8.10E-03	8.10E-03	3.18E-03	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	6	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	2	2.50E-03	4.00E-03	5.92E-04	11	2	2.00E-04	1.90E-03	2.73E-04
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	4	1	1.60E-01	1.60E-01	1.66E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	6	1	1.00E-04	1.00E-04	4.29E-03	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2,4-Trichlorobenzene	120-82-1	T	4.49E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	1	2.00E-04	2.00E-04	6.50E-05
VOC	Trichloroethylene	79-01-6	T	4.70E-02	6	2	2.70E-02	3.00E+01	5.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	7	1.00E-04	3.70E-01	2.90E-02	11	3	2.00E-04	3.50E-01	3.23E-02
VOC	1,2,4-Trimethylbenzene	95-63-6	T	3.30E-02	4	1	1.00E-04	1.00E-04	6.41E-03	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	4	1	1.50E-03	1.50E-03	6.65E-03	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	4.00E-04	4.00E-04	9.58E-05	10	1	4.00E-04	4.00E-04	8.50E-05
VOC	Xylenes (total)	1330-20-7	T	2.70E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (Low MW)	130498-29-2L	T	1.75E-01	4	1	1.00E-04	1.00E-04	6.41E-03	1	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (total)	130498-29-2	T	1.75E-01	4	1	1.00E-04	1.00E-04	6.41E-03	1	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	T	3.00E-04	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	3	2.00E-03	5.00E-03	1.54E-03	9	0	0.00E+00	0.00E+00	0.00E+00
SVOC	Benzophenone	119-61-9	T	1.75E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	14	2	3.61E-02	3.80E-02	5.72E-03	10	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	6.60E-06	6.60E-06	2.36E-06	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	1	1	4.00E-06	4.00E-06	4.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	1	1.50E-05	1.50E-05	2.66E-06
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	1	1	6.10E-06	6.10E-06	6.10E-06	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	2,4 D	94-75-7	T	2.20E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	8.20E-04	8.20E-04	1.35E-04	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	D	6.40E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	T	6.40E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	8.30E-06	8.30E-06	2.50E-06	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	D	1.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	T	1.00E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	6.30E-06	6.30E-06	2.34E-06	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan sulfate	1031-07-8	D	2.22E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan sulfate	1031-07-8	T	2.22E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	9	1	4.80E-06	4.80E-06	1.92E-06
PEST	2,4,5-TP Silvex	93-72-1	T	3.00E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	3	1.90E-05	1.20E-04	1.62E-05	9	2	1.80E-05	9.50E-05	1.63E-05
Nitroaromatics	1,2-Dinitrobenzene	528-29-0	T	2.20E-02	4	1	2.70E-03	2.70E-03	7.55E-04	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	T	2.20E-02	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	3.00E-04	3.00E-04	1.15E-04	10	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	4	2	3.10E-03	3.50E-03	1.70E-03	1	1	4.40E-04	4.40E-04	4.40E-04	13	4	2.40E-04	7.90E-02	7.01E-03	10	2	2.50E-04	7.10E-03	1.12E-03
Nitroaromatics	Nitrobenzene	98-95-3	T	2.70E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	2.60E-04	2.60E-04	1.12E-04	10	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	7.10E-02	7.10E-02	5.55E-03	10	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	2-Nitrotoluene	88-72-2	T	8.80E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	10	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Back Valley - 2011					Back Valley - 2012					Front Valley - 2007					Front Valley - 2008				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
Nitroaromatics	Tetryl	479-45-8	T	1.50E-01	4	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	13	0	0.00E+00	0.00E+00	0.00E+00	10	1	3.40E-04	3.40E-04	1.69E-04
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	1	1	2.48E+00	2.48E+00	2.48E+00	1	1	1.03E+01	1.03E+01	1.03E+01	12	8	1.04E-01	6.68E+00	9.06E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Ammonia	7664-41-7	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.30E-01	1.30E-01	1.30E-01	12	3	4.70E-01	3.20E+00	3.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	1	1	9.68E-02	9.68E-02	9.68E-02	1	1	1.17E-01	1.17E-01	1.17E-01	12	12	1.07E-02	2.79E-01	7.90E-02	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Cadmium	7440-43-9	T	2.50E-04	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	1.90E-03	1.90E-03	1.90E-03	12	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	12	12	1.53E+00	3.43E+01	7.72E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	3	2	2.60E-03	3.89E-02	1.44E-02	1	1	1.30E-02	1.30E-02	1.30E-02	13	3	2.60E-03	1.23E-01	1.10E-02	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Cobalt	7440-48-4	T	2.40E-02	1	1	9.40E-03	9.40E-03	9.40E-03	1	1	7.80E-03	7.80E-03	7.80E-03	12	5	9.20E-03	2.51E-02	6.17E-03	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	3	3	4.50E-03	5.30E-02	2.15E-02	1	1	2.21E-02	2.21E-02	2.21E-02	13	2	1.71E-02	7.61E-02	8.10E-03	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Cyanide	57-12-5	T	5.20E-03	3	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	6.10E-03	6.10E-03	2.80E-03	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	12	11	7.45E-02	6.61E+01	1.02E+01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lead	7439-92-1	T	2.50E-03	3	2	3.10E-03	1.73E-02	7.95E-03	1	0	0.00E+00	0.00E+00	0.00E+00	13	1	1.40E-01	1.40E-01	1.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lithium	7439-93-2	T	1.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Magnesium	7439-95-4	T	3.20E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	12	12	1.37E+00	1.89E+01	4.30E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Manganese	7439-96-5	T	1.20E-01	1	1	1.65E+00	1.65E+00	1.65E+00	1	1	3.10E-01	3.10E-01	3.10E-01	12	12	1.59E-02	1.40E+01	1.88E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Mercury	7439-97-6	D	7.70E-04	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Mercury	7439-97-6	T	7.70E-04	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Molybdenum	7439-98-7	T	7.30E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	5.10E-03	5.10E-03	2.53E-03	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Nickel	7440-02-0	T	5.20E-02	3	3	1.30E-03	3.49E-02	1.74E-02	1	1	1.55E-02	1.55E-02	1.55E-02	13	2	5.30E-03	1.06E-02	3.59E-03	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Nitrate	14797-55-8	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	5	6.60E-02	2.50E+00	4.47E-01	10	4	5.80E-02	2.90E+00	3.45E-01
INORG	Nitrite	14797-65-0	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	2	4.70E-02	4.90E-02	1.43E-02	10	2	3.30E-02	5.90E-02	1.52E-02
INORG	Perchlorate	14797-73-0	T	6.00E-01	6	4	3.00E-04	2.70E-02	9.07E-03	1	1	1.30E-03	1.30E-03	1.30E-03	12	4	2.00E-04	4.60E-03	7.25E-04	10	2	2.30E-04	6.10E-04	1.64E-04
INORG	Potassium	7440-09-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	12	12	6.84E-01	3.13E+00	2.09E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Selenium	7782-49-2	T	5.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Silver	7440-22-4	T	1.20E-05	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	2.30E-03	2.30E-03	9.25E-04	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Sodium	7440-23-5	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	12	12	1.59E+00	1.81E+01	5.67E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Strontium	7440-24-6	T	1.50E+00	1	1	1.85E-01	1.85E-01	1.85E-01	1	1	8.91E-02	8.91E-02	8.91E-02	12	12	2.09E-02	3.31E-01	6.79E-02	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Sulfide	18496-25-8	T	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	3	1.00E+00	3.80E+00	7.32E-01	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	D	2.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	T	2.00E+00	1	1	7.05E-02	7.05E-02	7.05E-02	1	1	2.97E-01	2.97E-01	2.97E-01	12	11	2.90E-03	2.52E-01	4.32E-02	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Vanadium	7440-62-2	T	1.20E-02	1	1	6.20E-03	6.20E-03	6.20E-03	1	1	2.05E-02	2.05E-02	2.05E-02	12	2	4.40E-03	1.60E-02	2.33E-03	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Zinc	7440-66-6	T	1.20E-01	3	2	5.90E-03	7.33E-02	2.78E-02	1	1	2.76E-02	2.76E-02	2.76E-02	13	8	9.30E-03	8.06E-01	8.41E-02	1	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Front Valley - 2009					Front Valley - 2010					Front Valley - 2011					Front Valley - 2012				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
WQ	Chloride	16887-00-6	T	2.30E+02	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	1.10E+00	9.50E+00	3.64E+00	1	1	2.60E+00	2.60E+00	2.60E+00	1	1	2.80E+00	2.80E+00	2.80E+00
WQ	Sulfate	14808-79-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	2	4.10E+00	9.52E+01	2.03E+01	1	1	2.00E+00	2.00E+00	2.00E+00	1	1	2.40E+00	2.40E+00	2.40E+00
VOC	Acetone	67-64-1	T	1.70E+00	0	0	0.00E+00	0.00E+00	0.00E+00	6	1	3.10E-03	3.10E-03	1.77E-03	14	1	4.20E-03	4.20E-03	2.66E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Benzene	71-43-2	T	5.30E-02	1	0	0.00E+00	0.00E+00	0.00E+00	12	2	1.00E-04	1.00E-04	9.58E-05	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Carbon tetrachloride	56-23-5	T	3.52E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroethane	75-00-3	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloroform	67-66-3	T	2.89E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	3	5.00E-04	1.10E-03	2.54E-04	15	3	6.00E-04	1.40E-03	2.40E-04	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Chloromethane	74-87-3	T	5.50E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	2-Chlorotoluene	95-49-8	T	1.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	4-Chlorotoluene	106-43-4	T	1.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Cyclohexane	110-82-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	p-Isopropyltoluene	99-87-6	T	8.50E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	1.00E-04	1.00E-04	9.55E-05	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,3-Dichlorobenzene	541-73-1	T	5.02E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	5.00E-04	5.00E-04	1.32E-04	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,1-Dichloroethane	75-34-3	T	4.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethane	107-06-2	T	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	1.80E-02	1.80E-02	1.58E-03	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2-Dichloroethene (total)	540-59-0	T	1.35E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
VOC	cis-1,2-Dichloroethene	156-59-2	T	1.35E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	4	4.00E-04	2.20E-02	2.16E-03	14	3	1.00E-04	1.80E-02	1.36E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Ethylbenzene	100-41-4	T	4.53E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	1	2.00E-04	2.00E-04	1.00E-04	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methyl-tert-butyl ether	1634-04-4	T	1.11E+01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Methylene chloride	75-09-2	T	1.93E+00	1	0	0.00E+00	0.00E+00	0.00E+00	12	0	0.00E+00	0.00E+00	0.00E+00	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Naphthalene	91-20-3	T	6.20E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	t-Butyl alcohol	75-65-0	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	15	3	4.50E-03	2.90E-02	6.50E-03	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Tetrachloroethylene	127-18-4	T	8.40E-02	1	0	0.00E+00	0.00E+00	0.00E+00	12	3	2.00E-04	1.50E-02	1.33E-03	15	3	1.00E-04	1.10E-02	7.93E-04	1	1	3.00E-04	3.00E-04	3.00E-04
VOC	Tetrahydrofuran	109-99-9	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Toluene	108-88-3	T	1.10E-02	1	1	5.00E-04	5.00E-04	5.00E-04	12	0	0.00E+00	0.00E+00	0.00E+00	15	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	1,2,4-Trichlorobenzene	120-82-1	T	4.49E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Trichloroethylene	79-01-6	T	4.70E-02	1	0	0.00E+00	0.00E+00	0.00E+00	12	5	2.00E-04	3.60E-01	3.04E-02	15	4	1.00E-04	3.10E-01	2.08E-02	1	1	2.80E-03	2.80E-03	2.80E-03
VOC	1,2,4-Trimethylbenzene	95-63-6	T	3.30E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	1	2.00E-04	2.00E-04	9.29E-05	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Vinyl chloride	75-01-4	T	9.30E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	3.00E-04	3.00E-04	1.14E-04	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
VOC	Xylenes (total)	1330-20-7	T	2.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	6.00E-04	6.00E-04	1.41E-04	14	1	2.00E-04	2.00E-04	9.29E-05	1	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (Low MW)	130498-29-2L	T	1.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
SVOC	PAHs (total)	130498-29-2	T	1.75E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	T	3.00E-04	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
SVOC	Benzophenone	119-61-9	T	1.75E-01	1	1	1.20E-02	1.20E-02	1.20E-02	6	1	1.10E-02	1.10E-02	2.24E-03	2	1	1.80E-02	1.80E-02	9.23E-03	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	D	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Aldrin	309-00-2	T	2.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	D	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	beta-BHC	319-85-7	T	5.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	5.00E-06	5.00E-06	2.47E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	D	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Lindane	58-89-9	T	1.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	D	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Chlordane (total)	57-74-9	T	4.30E-06	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	4.90E-06	4.90E-06	2.79E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	2,4 D	94-75-7	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	D	6.40E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDD	72-54-8	T	6.40E-06	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	D	1.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	4,4'-DDT	50-29-3	T	1.00E-06	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	1.20E-05	1.20E-05	6.90E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	D	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan	115-29-7	T	5.00E-05	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan sulfate	1031-07-8	D	2.22E-03	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Endosulfan sulfate	1031-07-8	T	2.22E-03	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	2.90E-05	2.90E-05	7.96E-06	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	D	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
PEST	Heptachlor	76-44-8	T	3.80E-06	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
PEST	2,4,5-TP Silvex	93-72-1	T	3.00E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1,2-Dinitrobenzene	528-29-0	T	2.20E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1,3-Dinitrobenzene	99-65-0	T	2.20E-02	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	RDX	121-82-4	T	1.80E-01	1	0	0.00E+00	0.00E+00	0.00E+00	12	5	2.20E-04	6.90E-03	1.17E-03	15	2	1.30E-03	6.30E-03	6.12E-04	1	1	2.40E-03	2.40E-03	2.40E-03
Nitroaromatics	Nitrobenzene	98-95-3	T	2.70E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	1-Nitronaphthalene	86-57-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	11	2	4.40E-04	8.80E-04	2.02E-04	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	2-Nitrotoluene	88-72-2	T	8.80E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	0	0.00E+00	0.00E+00	0.00E+00	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
Nitroaromatics	HMX	2691-41-0	T	1.50E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	2.00E-03	2.00E-03	4.80E-04	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00

Chemical Group	Chemical	CASRN	T/D	SLERA Benchmark (a) (mg/L)	Front Valley - 2009					Front Valley - 2010					Front Valley - 2011					Front Valley - 2012				
					Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)	Analyses	Detects	Min Detect (mg/L)	Max Detect (mg/L)	Mean (mg/L)
Nitroaromatics	Tetryl	479-45-8	T	1.50E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	1	3.30E-04	3.30E-04	1.66E-04	14	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	D	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Aluminum	7429-90-5	T	8.70E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	8.45E-02	1.34E+00	3.87E-01	1	1	1.49E+00	1.49E+00	1.49E+00	1	1	1.80E-01	1.80E-01	1.80E-01
INORG	Ammonia	7664-41-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	3	5.30E-02	2.60E+00	5.85E-01	1	1	6.00E-02	6.00E-02	6.00E-02	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Barium	7440-39-3	T	2.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	2.36E-02	9.68E-02	4.50E-02	1	1	1.97E-02	1.97E-02	1.97E-02	1	1	3.78E-02	3.78E-02	3.78E-02
INORG	Cadmium	7440-43-9	T	2.50E-04	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Calcium	7440-70-2	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Chromium	7440-47-3	T	5.00E-02	1	1	1.32E-02	1.32E-02	1.32E-02	6	2	6.30E-03	8.60E-03	3.62E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Cobalt	7440-48-4	T	2.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	2	8.40E-03	1.62E-02	5.55E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Copper	7440-50-8	T	9.00E-03	1	1	4.80E-03	4.80E-03	4.80E-03	6	1	2.80E-03	2.80E-03	1.59E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.20E-03	7.20E-03	7.20E-03
INORG	Cyanide	57-12-5	T	5.20E-03	1	0	0.00E+00	0.00E+00	0.00E+00	6	0	0.00E+00	0.00E+00	0.00E+00	2	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	D	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Iron	7439-89-6	T	1.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Lead	7439-92-1	T	2.50E-03	1	1	2.40E-03	2.40E-03	2.40E-03	6	1	1.70E-03	1.70E-03	3.16E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	1	3.50E-03	3.50E-03	3.50E-03
INORG	Lithium	7439-93-2	T	1.40E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	4.70E-03	4.70E-03	1.86E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Magnesium	7439-95-4	T	3.20E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Manganese	7439-96-5	T	1.20E-01	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	3.52E-02	1.42E+01	3.66E+00	1	1	7.33E-02	7.33E-02	7.33E-02	1	1	2.99E-01	2.99E-01	2.99E-01
INORG	Mercury	7439-97-6	D	7.70E-04	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Mercury	7439-97-6	T	7.70E-04	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Molybdenum	7439-98-7	T	7.30E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	1.32E-02	1.32E-02	4.60E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Nickel	7440-02-0	T	5.20E-02	1	1	7.50E-03	7.50E-03	7.50E-03	6	1	5.20E-03	5.20E-03	2.11E-03	2	0	0.00E+00	0.00E+00	0.00E+00	1	1	4.10E-03	4.10E-03	4.10E-03
INORG	Nitrate	14797-55-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	2	1.60E-01	4.80E-01	1.40E-01	1	0	0.00E+00	0.00E+00	0.00E+00	1	1	7.60E-01	7.60E-01	7.60E-01
INORG	Nitrite	14797-65-0	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	4.60E-02	4.60E-02	1.52E-02	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Perchlorate	14797-73-0	T	6.00E-01	0	0	0.00E+00	0.00E+00	0.00E+00	11	3	2.70E-04	6.70E-02	6.57E-03	15	3	2.30E-04	7.40E-02	5.11E-03	1	1	6.10E-04	6.10E-04	6.10E-04
INORG	Potassium	7440-09-7	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Selenium	7782-49-2	T	5.00E-03	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	1.00E-02	1.00E-02	5.56E-03	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Silver	7440-22-4	T	1.20E-05	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Sodium	7440-23-5	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Strontium	7440-24-6	T	1.50E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	5	4.31E-02	1.03E-01	6.84E-02	1	1	5.15E-02	5.15E-02	5.15E-02	1	1	4.11E-02	4.11E-02	4.11E-02
INORG	Sulfide	18496-25-8	T	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	D	2.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00
INORG	Titanium	7440-32-6	T	2.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	5	4	5.10E-03	8.78E-02	2.55E-02	1	1	7.74E-02	7.74E-02	7.74E-02	1	1	1.40E-02	1.40E-02	1.40E-02
INORG	Vanadium	7440-62-2	T	1.20E-02	0	0	0.00E+00	0.00E+00	0.00E+00	5	1	3.70E-03	3.70E-03	1.74E-03	1	1	3.70E-03	3.70E-03	3.70E-03	1	1	1.10E-03	1.10E-03	1.10E-03
INORG	Zinc	7440-66-6	T	1.20E-01	1	1	3.97E-02	3.97E-02	3.97E-02	6	1	2.65E-02	2.65E-02	7.79E-03	2	1	4.80E-03	4.80E-03	4.43E-03	1	1	4.70E-03	4.70E-03	4.70E-03

Notes
1. SLERA Screening Criteria, as summarized in Appendix M
2. BERA Screening Criteria, as summarized in Appendix M

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	Bee Tree Creek							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	2-Butanone	78-93-3	4.24E-02	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	1.21E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	5	1	4.00E-03	4.00E-03	1.60E-03	0	20%	0%
VOC	Styrene	100-42-5	2.54E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	5	1	3.30E+00	3.30E+00	6.72E-01	1	20%	20%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	5	1	1.14E+02	1.14E+02	2.28E+01	1	20%	20%
SVOC	PAHs (total)	130498-29-2	1.68E+00	5	1	1.17E+02	1.17E+02	2.35E+01	1	20%	20%
SVOC	Acenaphthene	83-32-9	3.30E-01	5	1	2.80E+00	2.80E+00	5.73E-01	1	20%	20%
SVOC	Acenaphthylene	208-96-8	3.30E-01	5	1	7.30E-01	7.30E-01	1.59E-01	1	20%	20%
SVOC	Anthracene	120-12-7	3.30E-01	5	1	1.10E+00	1.10E+00	2.33E-01	1	20%	20%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	5	1	3.30E+00	3.30E+00	6.73E-01	1	20%	20%
SVOC	Carbazole	86-74-8	0.00E+00	5	1	5.80E-01	5.80E-01	1.29E-01	0	20%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Chrysene	218-01-9	3.30E-01	5	1	5.10E-01	5.10E-01	1.15E-01	1	20%	20%
SVOC	Dibenzofuran	132-64-9	4.49E-01	5	1	1.10E+00	1.10E+00	2.33E-01	1	20%	20%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	5	1	3.60E-01	3.60E-01	8.52E-02	1	20%	20%
SVOC	Fluorene	86-73-7	3.30E-01	5	1	2.50E+00	2.50E+00	5.13E-01	1	20%	20%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	5	1	3.40E+01	3.40E+01	6.81E+00	1	20%	20%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	5	1	6.50E+01	6.50E+01	1.30E+01	1	20%	20%
SVOC	Phenanthrene	85-01-8	3.30E-01	5	1	7.80E+00	7.80E+00	1.57E+00	1	20%	20%
SVOC	Phenol	108-95-2	4.91E-02	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Pyrene	129-00-0	3.30E-01	5	1	1.60E+00	1.60E+00	3.33E-01	1	20%	20%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	2.00E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	5.00E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	7.15E+01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	3.30E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	5	2	1.80E-04	2.10E-04	5.34E-04	0	40%	0%
PEST	4,4'-DDD	72-54-8	3.30E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	5	2	3.90E-04	6.20E-04	3.01E-04	0	40%	0%
PEST	Endosulfan	115-29-7	3.26E-03	5	1	3.30E-04	3.30E-04	1.98E-04	0	20%	0%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	5	1	2.10E-04	2.10E-04	2.83E-04	0	20%	0%
PEST	Methoxychlor	72-43-5	1.36E-02	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	2.55E+04	5	5	6.69E+03	1.21E+04	9.38E+03	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	5	2	1.27E+00	1.38E+00	8.22E-01	0	40%	0%
INORG	Arsenic	7440-38-2	7.24E+00	5	5	1.13E+00	1.32E+00	1.25E+00	0	100%	0%
INORG	Barium	7440-39-3	2.00E+02	5	5	4.02E+01	9.33E+01	7.02E+01	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Boron	7440-42-8	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Cadmium	7440-43-9	1.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Chromium	7440-47-3	5.23E+01	5	5	1.58E+01	4.22E+01	2.39E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	5	5	3.47E+00	5.61E+00	4.48E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	5	5	5.66E+00	9.31E+00	7.66E+00	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	5	5	1.63E+04	2.25E+04	1.81E+04	1	100%	20%
INORG	Lead	7439-92-1	3.02E+01	5	5	2.14E+00	8.64E+00	5.47E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	5	5	1.10E+00	5.10E+00	3.68E+00	0	100%	0%
INORG	Manganese	7439-96-5	6.30E+02	5	5	2.03E+02	3.05E+02	2.65E+02	0	100%	0%
INORG	Mercury	7439-97-6	1.30E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Nickel	7440-02-0	1.59E+01	5	5	4.84E+00	9.86E+00	7.55E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Selenium	7782-49-2	2.90E-01	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Silver	7440-22-4	2.00E+00	5	1	2.69E-01	2.69E-01	1.25E-01	0	20%	0%
INORG	Strontium	7440-24-6	4.90E+01	5	5	2.28E+00	3.75E+00	3.09E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Tin	7440-31-5	5.00E+00	5	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Titanium	7440-32-6	0.00E+00	5	5	3.35E+02	1.16E+03	7.96E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	5	5	2.20E+01	2.38E+01	2.28E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	5	5	1.76E+01	4.23E+01	3.15E+01	0	100%	0%

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	Gregg Branch							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	28	6	7.00E-03	4.20E-02	6.21E-03	3	21%	11%
VOC	2-Butanone	78-93-3	4.24E-02	28	1	9.00E-03	9.00E-03	2.36E-03	0	4%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	1.21E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	28	1	6.00E-03	6.00E-03	6.89E-04	0	4%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Styrene	100-42-5	2.54E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	28	2	1.00E-03	7.50E-02	3.17E-03	0	7%	0%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (total)	130498-29-2	1.68E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthene	83-32-9	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthylene	208-96-8	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Anthracene	120-12-7	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Carbazole	86-74-8	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Chrysene	218-01-9	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibenzofuran	132-64-9	4.49E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluorene	86-73-7	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenanthrene	85-01-8	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenol	108-95-2	4.91E-02	28	1	1.30E-01	1.30E-01	2.06E-02	1	4%	4%
SVOC	Pyrene	129-00-0	3.30E-01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	28	1	2.80E-01	2.80E-01	9.20E-02	0	4%	0%
PEST	Aldrin	309-00-2	2.00E-03	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	5.00E-03	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	7.15E+01	28	6	4.90E-04	3.50E-01	1.30E-02	0	21%	0%
PEST	Lindane	58-89-9	3.30E-03	28	4	2.10E-04	3.10E-04	1.15E-04	0	14%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	28	4	2.90E-04	1.01E-03	3.12E-04	0	14%	0%
PEST	4,4'-DDD	72-54-8	3.30E-03	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	28	5	6.90E-04	1.70E-03	4.71E-04	0	18%	0%
PEST	Endosulfan	115-29-7	3.26E-03	28	4	3.00E-04	2.00E-03	3.76E-04	0	14%	0%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	28	3	5.70E-04	6.70E-04	2.04E-04	0	11%	0%
PEST	Methoxychlor	72-43-5	1.36E-02	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	28	1	1.60E-01	1.60E-01	5.39E-02	0	4%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	28	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	28	2	2.90E-01	2.90E-01	1.41E-01	0	7%	0%
INORG	Aluminum	7429-90-5	2.55E+04	28	28	5.34E+03	1.96E+04	9.54E+03	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	28	6	1.03E+00	1.87E+00	6.76E-01	0	21%	0%
INORG	Arsenic	7440-38-2	7.24E+00	28	25	9.44E-01	2.79E+00	1.42E+00	0	89%	0%
INORG	Barium	7440-39-3	2.00E+02	28	28	2.69E+01	1.04E+02	5.06E+01	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	28	5	1.33E-01	1.15E+00	1.99E-01	0	18%	0%
INORG	Boron	7440-42-8	0.00E+00	28	8	4.43E+00	9.78E+00	3.91E+00	0	29%	0%
INORG	Cadmium	7440-43-9	1.00E+00	28	3	4.18E-01	1.75E+00	1.73E-01	1	11%	4%
INORG	Chromium	7440-47-3	5.23E+01	28	28	8.90E+00	4.01E+01	1.89E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	28	28	2.65E+00	7.48E+00	4.68E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	28	28	4.26E+00	1.68E+01	8.48E+00	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	28	28	9.99E+03	4.28E+04	1.87E+04	11	100%	39%
INORG	Lead	7439-92-1	3.02E+01	28	28	1.68E+00	5.61E+00	3.02E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	28	12	9.30E-01	2.40E+00	1.08E+00	0	43%	0%
INORG	Manganese	7439-96-5	6.30E+02	28	28	9.84E+01	7.16E+02	2.57E+02	2	100%	7%
INORG	Mercury	7439-97-6	1.30E-01	28	3	1.08E-02	1.99E-02	6.72E-03	0	11%	0%
INORG	Nickel	7440-02-0	1.59E+01	28	28	4.01E+00	1.34E+01	6.74E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	28	1	2.80E-03	2.80E-03	1.11E-03	0	4%	0%
INORG	Selenium	7782-49-2	2.90E-01	28	13	9.90E-01	3.82E+00	1.15E+00	13	46%	46%
INORG	Silver	7440-22-4	2.00E+00	28	4	1.76E-01	1.81E+00	1.60E-01	0	14%	0%
INORG	Strontium	7440-24-6	4.90E+01	28	28	1.97E+00	1.36E+01	4.98E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	28	1	1.60E+00	1.60E+00	7.42E-01	0	4%	0%
INORG	Tin	7440-31-5	5.00E+00	28	2	1.38E+00	1.07E+01	1.21E+00	1	7%	4%
INORG	Titanium	7440-32-6	0.00E+00	28	28	3.51E+02	7.49E+02	4.88E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	28	28	1.24E+01	4.09E+01	2.29E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	28	28	8.67E+00	2.71E+01	1.60E+01	0	100%	0%

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	Unnamed Branch							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	17	6	8.00E-03	4.60E-02	8.41E-03	5	35%	29%
VOC	2-Butanone	78-93-3	4.24E-02	17	1	1.20E-02	1.20E-02	2.74E-03	0	6%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	17	1	9.00E-03	9.00E-03	1.01E-03	0	6%	0%
VOC	Chloroform	67-66-3	1.21E-01	17	5	1.00E-03	1.70E-01	1.10E-02	1	29%	6%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	17	5	1.00E-03	1.10E-02	1.75E-03	0	29%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	17	1	4.00E-03	4.00E-03	7.21E-04	0	6%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Styrene	100-42-5	2.54E-01	17	1	3.00E-03	3.00E-03	6.62E-04	0	6%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	17	5	1.00E-03	2.10E-01	1.48E-02	0	29%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	17	10	1.00E-03	2.00E-01	1.90E-02	1	59%	6%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	17	1	5.62E-01	5.62E-01	4.86E-02	0	6%	0%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	17	1	1.88E-01	1.88E-01	2.66E-02	0	6%	0%
SVOC	PAHs (total)	130498-29-2	1.68E+00	17	1	7.50E-01	7.50E-01	5.96E-02	0	6%	0%
SVOC	Acenaphthene	83-32-9	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthylene	208-96-8	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Anthracene	120-12-7	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	17	1	6.30E-02	6.30E-02	1.92E-02	0	6%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	17	1	5.50E-02	5.50E-02	1.88E-02	0	6%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	17	1	7.20E-02	7.20E-02	1.98E-02	0	6%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	17	1	4.40E-02	4.40E-02	1.81E-02	0	6%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Carbazole	86-74-8	0.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	17	3	5.60E-02	2.40E-01	3.55E-02	0	18%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	17	1	6.40E-01	6.40E-01	1.18E-01	0	6%	0%
SVOC	Chrysene	218-01-9	3.30E-01	17	1	6.10E-02	6.10E-02	1.91E-02	0	6%	0%
SVOC	Dibenzofuran	132-64-9	4.49E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	17	1	8.50E-02	8.50E-02	3.65E-02	0	6%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	17	1	1.20E-01	1.20E-01	2.26E-02	0	6%	0%
SVOC	Fluorene	86-73-7	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	17	1	3.70E-02	3.70E-02	1.77E-02	0	6%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	17	2	4.00E-02	7.00E-02	2.10E-02	0	12%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenanthrene	85-01-8	3.30E-01	17	1	8.80E-02	8.80E-02	2.07E-02	0	6%	0%
SVOC	Phenol	108-95-2	4.91E-02	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Pyrene	129-00-0	3.30E-01	17	1	1.10E-01	1.10E-01	2.20E-02	0	6%	0%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	17	1	3.40E-01	3.40E-01	1.00E-01	0	6%	0%
PEST	Aldrin	309-00-2	2.00E-03	17	8	2.90E-04	9.20E-03	2.04E-03	5	47%	29%
PEST	beta-BHC	319-85-7	5.00E-03	17	6	1.10E-03	4.80E-03	1.34E-03	0	35%	0%
PEST	delta-BHC	319-86-8	7.15E+01	17	2	7.80E-04	9.50E-04	4.40E-04	0	12%	0%
PEST	Lindane	58-89-9	3.30E-03	17	1	6.00E-04	6.00E-04	1.55E-04	0	6%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	17	4	6.20E-04	2.03E-03	8.39E-04	2	24%	12%
PEST	4,4'-DDD	72-54-8	3.30E-03	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	17	10	3.40E-04	3.10E-03	1.08E-03	0	59%	0%
PEST	Endosulfan	115-29-7	3.26E-03	17	5	5.10E-04	6.60E-03	1.35E-03	2	29%	12%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	17	1	7.00E-04	7.00E-04	2.94E-04	0	6%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	17	9	3.50E-04	4.70E-03	1.88E-03	1	53%	6%
PEST	Methoxychlor	72-43-5	1.36E-02	17	3	3.70E-03	1.10E-02	2.21E-03	0	18%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	2.55E+04	17	17	4.43E+03	1.22E+04	8.11E+03	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	17	1	1.07E+00	1.07E+00	5.27E-01	0	6%	0%
INORG	Arsenic	7440-38-2	7.24E+00	17	15	9.53E-01	2.12E+00	1.51E+00	0	88%	0%
INORG	Barium	7440-39-3	2.00E+02	17	17	2.15E+01	7.79E+01	4.94E+01	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	17	2	8.60E-01	1.15E+00	2.38E-01	0	12%	0%
INORG	Boron	7440-42-8	0.00E+00	17	1	6.47E+00	6.47E+00	1.30E+00	0	6%	0%
INORG	Cadmium	7440-43-9	1.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Chromium	7440-47-3	5.23E+01	17	17	4.60E+00	4.41E+01	1.77E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	17	17	1.71E+00	7.80E+00	4.75E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	17	17	3.18E+00	1.35E+01	8.51E+00	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	17	17	4.18E+03	2.15E+04	1.34E+04	1	100%	6%
INORG	Lead	7439-92-1	3.02E+01	17	17	1.77E+00	1.00E+01	4.92E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	17	15	5.60E-01	3.40E+00	1.52E+00	0	88%	0%
INORG	Manganese	7439-96-5	6.30E+02	17	17	3.71E+01	2.20E+03	4.43E+02	3	100%	18%
INORG	Mercury	7439-97-6	1.30E-01	17	7	1.14E-02	3.74E-02	1.07E-02	0	41%	0%
INORG	Nickel	7440-02-0	1.59E+01	17	17	2.91E+00	1.02E+01	5.73E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	17	1	3.80E-02	3.80E-02	3.22E-03	0	6%	0%
INORG	Selenium	7782-49-2	2.90E-01	17	4	1.06E+00	1.72E+00	6.81E-01	4	24%	24%
INORG	Silver	7440-22-4	2.00E+00	17	3	1.82E-01	2.02E-01	1.07E-01	0	18%	0%
INORG	Strontium	7440-24-6	4.90E+01	17	17	1.96E+00	6.65E+00	4.14E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Tin	7440-31-5	5.00E+00	17	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Titanium	7440-32-6	0.00E+00	17	17	2.59E+02	6.37E+02	4.07E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	17	17	6.87E+00	2.56E+01	1.63E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	17	17	1.19E+01	5.57E+01	3.24E+01	0	100%	0%

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	POND1							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	2-Butanone	78-93-3	4.24E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	1.21E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Styrene	100-42-5	2.54E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (total)	130498-29-2	1.68E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthene	83-32-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthylene	208-96-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Anthracene	120-12-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Carbazole	86-74-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Chrysene	218-01-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibenzofuran	132-64-9	4.49E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluorene	86-73-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenanthrene	85-01-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenol	108-95-2	4.91E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Pyrene	129-00-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	2.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	5.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	7.15E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDD	72-54-8	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	3.26E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Methoxychlor	72-43-5	1.36E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	1	1	1.20E-01	1.20E-01	1.20E-01	0	100%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	1	1	1.10E-01	1.10E-01	1.10E-01	0	100%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	2.55E+04	1	1	1.44E+04	1.44E+04	1.44E+04	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Arsenic	7440-38-2	7.24E+00	1	1	1.00E+00	1.00E+00	1.00E+00	0	100%	0%
INORG	Barium	7440-39-3	2.00E+02	1	1	8.10E+01	8.10E+01	8.10E+01	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	1	1	5.61E-01	5.61E-01	5.61E-01	0	100%	0%
INORG	Boron	7440-42-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Cadmium	7440-43-9	1.00E+00	1	1	6.69E-01	6.69E-01	6.69E-01	0	100%	0%
INORG	Chromium	7440-47-3	5.23E+01	1	1	1.31E+01	1.31E+01	1.31E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	1	1	5.85E+00	5.85E+00	5.85E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	1	1	1.08E+01	1.08E+01	1.08E+01	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	1	1	1.88E+04	1.88E+04	1.88E+04	0	100%	0%
INORG	Lead	7439-92-1	3.02E+01	1	1	3.97E+00	3.97E+00	3.97E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	1	1	5.10E+00	5.10E+00	5.10E+00	0	100%	0%
INORG	Manganese	7439-96-5	6.30E+02	1	1	2.67E+02	2.67E+02	2.67E+02	0	100%	0%
INORG	Mercury	7439-97-6	1.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Nickel	7440-02-0	1.59E+01	1	1	9.31E+00	9.31E+00	9.31E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Selenium	7782-49-2	2.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Silver	7440-22-4	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Strontium	7440-24-6	4.90E+01	1	1	6.53E+00	6.53E+00	6.53E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Tin	7440-31-5	5.00E+00	1	1	1.79E+00	1.79E+00	1.79E+00	0	100%	0%
INORG	Titanium	7440-32-6	0.00E+00	1	1	8.72E+02	8.72E+02	8.72E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	1	1	2.18E+01	2.18E+01	2.18E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	1	1	3.40E+01	3.40E+01	3.40E+01	0	100%	0%

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	POND2							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	1	1	2.10E-02	2.10E-02	2.10E-02	1	100%	100%
VOC	2-Butanone	78-93-3	4.24E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	1.21E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Styrene	100-42-5	2.54E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (total)	130498-29-2	1.68E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthene	83-32-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthylene	208-96-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Anthracene	120-12-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Carbazole	86-74-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Chrysene	218-01-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibenzofuran	132-64-9	4.49E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluorene	86-73-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenanthrene	85-01-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenol	108-95-2	4.91E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Pyrene	129-00-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	2.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	5.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	7.15E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	1	1	7.90E-04	7.90E-04	7.90E-04	0	100%	0%
PEST	4,4'-DDD	72-54-8	3.30E-03	1	1	4.40E-04	4.40E-04	4.40E-04	0	100%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	1	1	2.30E-03	2.30E-03	2.30E-03	0	100%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	3.26E-03	1	1	7.40E-04	7.40E-04	7.40E-04	0	100%	0%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Methoxychlor	72-43-5	1.36E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	2.55E+04	1	1	1.85E+04	1.85E+04	1.85E+04	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Arsenic	7440-38-2	7.24E+00	1	1	1.93E+00	1.93E+00	1.93E+00	0	100%	0%
INORG	Barium	7440-39-3	2.00E+02	1	1	1.01E+02	1.01E+02	1.01E+02	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	1	1	5.40E-01	5.40E-01	5.40E-01	0	100%	0%
INORG	Boron	7440-42-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Cadmium	7440-43-9	1.00E+00	1	1	5.38E-01	5.38E-01	5.38E-01	0	100%	0%
INORG	Chromium	7440-47-3	5.23E+01	1	1	1.65E+01	1.65E+01	1.65E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	1	1	5.51E+00	5.51E+00	5.51E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	1	1	7.99E+00	7.99E+00	7.99E+00	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	1	1	1.59E+04	1.59E+04	1.59E+04	0	100%	0%
INORG	Lead	7439-92-1	3.02E+01	1	1	5.72E+00	5.72E+00	5.72E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	1	1	5.50E+00	5.50E+00	5.50E+00	0	100%	0%
INORG	Manganese	7439-96-5	6.30E+02	1	1	2.18E+02	2.18E+02	2.18E+02	0	100%	0%
INORG	Mercury	7439-97-6	1.30E-01	1	1	3.45E-02	3.45E-02	3.45E-02	0	100%	0%
INORG	Nickel	7440-02-0	1.59E+01	1	1	8.82E+00	8.82E+00	8.82E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Selenium	7782-49-2	2.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Silver	7440-22-4	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Strontium	7440-24-6	4.90E+01	1	1	5.32E+00	5.32E+00	5.32E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Tin	7440-31-5	5.00E+00	1	1	1.82E+00	1.82E+00	1.82E+00	0	100%	0%
INORG	Titanium	7440-32-6	0.00E+00	1	1	7.37E+02	7.37E+02	7.37E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	1	1	2.71E+01	2.71E+01	2.71E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	1	1	2.80E+01	2.80E+01	2.80E+01	0	100%	0%

M3-1D: Summary Statistics for Sediment
Chemtronics Site - Swannanoa, NC

Chemical Group	Chemical	CASRN	SLERA Benchmark (a) (mg/kg)	POND3							
				Analyses	Detects	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	SLERA Exceed (b)	Detect %	SLERA Exceed %
VOC	Acetone	67-64-1	9.90E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	2-Butanone	78-93-3	4.24E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Carbon tetrachloride	56-23-5	1.45E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Chloroform	67-66-3	1.21E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	cis-1,2-Dichloroethene	156-59-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Ethylbenzene	100-41-4	1.75E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Methylene chloride	75-09-2	1.59E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Styrene	100-42-5	2.54E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Tetrachloroethylene	127-18-4	9.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
VOC	Trichloroethylene	79-01-6	1.12E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (High MW)	130498-29-2H	6.55E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (Low MW)	130498-29-2L	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	PAHs (total)	130498-29-2	1.68E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthene	83-32-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Acenaphthylene	208-96-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Anthracene	120-12-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)anthracene	56-55-3	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(a)pyrene	50-32-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(b)fluoranthene	205-99-2	1.04E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzo(g,h,i)perylene	191-24-2	1.70E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1,1'-Biphenyl	92-52-4	1.10E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Carbazole	86-74-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Chrysene	218-01-9	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibenzofuran	132-64-9	4.49E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Dibutyl phthalate	84-74-2	1.11E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluoranthene	206-44-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Fluorene	86-73-7	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Indeno(1,2,3-c,d)pyrene	193-39-5	2.00E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Benzophenone	119-61-9	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	1-Methylnaphthalene	90-12-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	2-Methyl naphthalene	91-57-6	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenanthrene	85-01-8	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Phenol	108-95-2	4.91E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	Pyrene	129-00-0	3.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	1.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Aldrin	309-00-2	2.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	beta-BHC	319-85-7	5.00E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	delta-BHC	319-86-8	7.15E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Lindane	58-89-9	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Chlordane (total)	57-74-9	1.70E-03	1	1	3.90E-04	3.90E-04	3.90E-04	0	100%	0%
PEST	4,4'-DDD	72-54-8	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDE	72-55-9	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	4,4'-DDT	50-29-3	3.30E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Endosulfan	115-29-7	3.26E-03	1	1	5.30E-04	5.30E-04	5.30E-04	0	100%	0%
PEST	Endosulfan sulfate	1031-07-8	3.46E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Heptachlor epoxide	1024-57-3	2.47E-03	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
PEST	Methoxychlor	72-43-5	1.36E-02	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	RDX	121-82-4	3.00E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	1-Nitronaphthalene	86-57-7	2.79E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
Nitroaromatics	HMX	2691-41-0	3.93E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Aluminum	7429-90-5	2.55E+04	1	1	8.35E+03	8.35E+03	8.35E+03	0	100%	0%
INORG	Antimony	7440-36-0	1.20E+01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Arsenic	7440-38-2	7.24E+00	1	1	1.08E+00	1.08E+00	1.08E+00	0	100%	0%
INORG	Barium	7440-39-3	2.00E+02	1	1	5.27E+01	5.27E+01	5.27E+01	0	100%	0%
INORG	Beryllium	7440-41-7	0.00E+00	1	1	2.89E-01	2.89E-01	2.89E-01	0	100%	0%
INORG	Boron	7440-42-8	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Cadmium	7440-43-9	1.00E+00	1	1	3.88E-01	3.88E-01	3.88E-01	0	100%	0%
INORG	Chromium	7440-47-3	5.23E+01	1	1	1.16E+01	1.16E+01	1.16E+01	0	100%	0%
INORG	Cobalt	7440-48-4	5.00E+01	1	1	3.17E+00	3.17E+00	3.17E+00	0	100%	0%
INORG	Copper	7440-50-8	1.87E+01	1	1	4.45E+00	4.45E+00	4.45E+00	0	100%	0%
INORG	Iron	7439-89-6	2.00E+04	1	1	1.18E+04	1.18E+04	1.18E+04	0	100%	0%
INORG	Lead	7439-92-1	3.02E+01	1	1	1.67E+00	1.67E+00	1.67E+00	0	100%	0%
INORG	Lithium	7439-93-2	0.00E+00	1	1	3.70E+00	3.70E+00	3.70E+00	0	100%	0%
INORG	Manganese	7439-96-5	6.30E+02	1	1	1.59E+02	1.59E+02	1.59E+02	0	100%	0%
INORG	Mercury	7439-97-6	1.30E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Nickel	7440-02-0	1.59E+01	1	1	6.58E+00	6.58E+00	6.58E+00	0	100%	0%
INORG	Perchlorate	14797-73-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Selenium	7782-49-2	2.90E-01	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Silver	7440-22-4	2.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Strontium	7440-24-6	4.90E+01	1	1	3.83E+00	3.83E+00	3.83E+00	0	100%	0%
INORG	Thallium	7440-28-0	0.00E+00	1	0	0.00E+00	0.00E+00	0.00E+00	0	0%	0%
INORG	Tin	7440-31-5	5.00E+00	1	1	1.64E+00	1.64E+00	1.64E+00	0	100%	0%
INORG	Titanium	7440-32-6	0.00E+00	1	1	6.33E+02	6.33E+02	6.33E+02	0	100%	0%
INORG	Vanadium	7440-62-2	5.00E+01	1	1	1.62E+01	1.62E+01	1.62E+01	0	100%	0%
INORG	Zinc	7440-66-6	1.24E+02	1	1	1.97E+01	1.97E+01	1.97E+01	0	100%	0%

Max Maximum
mg/kg Milligrams per kilogram
Min Minimum

(a) SLERA Screening Criteria, as summarized in Appendix M.
(b) SLERA exceedances are the number of detected concentrations (after taking the maximum of field duplicates) that are greater than the SLERA benchmark.

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
Groundwater			
GW	MW165-O28A	980284.053	702755.337
GW	MW166-T32A	981387.341	701736.801
GW	M85L-4	978824.871	700581.666
GW	MW156-P44A	980309.479	698702.509
GW	MW158-N44A	979956.631	698682.847
GW	MW162-T31A	981501.548	701917.342
GW	MW167-O44A	980173.039	698734.885
GW	MW-1S	978902.357	700393.665
GW	SW-151-1	979358.12	699470.69
GW	SW-152-3	980468.321	699182.153
GW	MW190-N24AB	980051.45	703696.568
GW	MW208-L26AB	979313.342	703231.353
GW	MW223-L26AB	979408	703167.102
GW	MW233-O20AB	980142.142	704565.278
GW	MW181-I37AB	978698.786	700341.934
GW	MW182-K39AB	979221.54	699827.83
GW	MW216-G37AB	978166.821	700366.241
GW	MW168-O28B	980289.433	702754.248
GW	SW-13	980011.074	704188.653
GW	DW-152-3	980474.588	699181.635
GW	M85L-11	979551.228	699122.377
GW	MW155-P43C	980371.83	698920.459
GW	MW183-O39CD	980301.194	699915.316
GW	MW192-P41CD	980488.693	699426.283
GW	MW193-Q40CD	980549.063	699649.104
GW	MW235-P39CD	980454.142	700098.042
GW	MW-149-1	980302.805	699944.52
GW	BW-14	980978.962	702213.928
Surface Water			
SW	UBW 6-I37	978770.914	700473.089
SW	UBW 4-I37	978837.2323	700353.8984
SW	UBW 3-K39	979205.9018	699943.1182
SW	UBW 2-L41	979463.8779	699460.6344
SW	POND 1W-O43	980127.7475	698826.5346
SW	UBW 1-O44	980248.7133	698663.3766
SW	POND 2W-P39	980401.4047	699499.4432
SW	POND 3W-S35	981096.5555	700950.6696
SW	GBW 1-S35	981292.4804	700929.4173
SW	GBW 2-M27	979682.6324	702888.2082
SW	UBW 1A-M42	979678.0183	698957.9797
SW	BTW 2-S35	981195.0619	700832.1968
SW	GBW 1A-R33	981010.4256	701510.718
SW	BTW 3-U30	981705.7107	702215.6403
SW	GBW 1B-Q29	980777.7906	702383.5264
SW	GBW 1D-Q29	980787.4173	702530.8991
SW	GBW 1C-Q28	980398.2741	702617.9498
SW	GBW 3-O25	980320.6864	703760.7933
SW	BTW 1-P44	980393.0687	698691.0007

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
SW	GBW3-L27	979380.9387	702959.9372
SW	BTW 1-P45	980355.8736	698558.4717
SW	UBW 1B-L42	979589.5433	699084.84
SW	UBW 2A-L40	979343.7757	699665.3933
SW	UBW 3A-J38	979020.601	700182.0857
SW	UBW 5-I37	978691.6208	700356.2517
SW	UBW 5A-H37	978412.9552	700356.2517
SW	UBW 5B-G37	978312.326	700302.0668
SW	UBW 5C-G37	978097.5213	700363.9924
SW	UBW 5D-F37	978000.7624	700412.3719
SW	UBW 6A-I36	978652.9173	700634.9173
SW	UBW 6B-H36	978432.307	700764.5742
SW	UBW 6C-H35	978322.0019	700869.0738
SW	BTW 2A-T35	981402.8047	701020.0177
SW	GBW 1B-R31	981038.9913	702034.0507
SW	GBW 1C-Q29	980679.0483	702477.2064
SW	GBW 1D-O28	980125.5875	702693.9463
SW	GBW 1E-N28	979872.0792	702804.2515
SW	GBW 2B-L26	979326.3591	703241.6016
SW	GBW 1E-Q27	980607.4467	702846.8254
SW	GBW 1F-P26	980514.5582	703237.7312
SW	GBW 2D-O25	980141.0689	703524.1375
SW	GBW 2A-O25	980326.8459	703402.2213
SW	GBW 3-N24	979995.9306	703665.4055
SW	GBW 4-N23	979821.7646	703940.2007
SW	GBW 2B-P25	980415.8641	703448.6656
SW	GBW 2C-P25	980489.4009	703448.6656
SW	GBW 4-O23	980177.8373	703938.2655
SW	GBW 3-Q23	980797.0941	703994.3857
SW	GBW 4-R21	980855.1494	704511.0781
SW	GBW 5-R20	981056.4079	704803.29
SW	GBW 6-R20	980884.1771	704791.6789
SW	GBW 5-L21	979448.2679	704477.6381
SW	GBW 6-K20	979118.1617	704755.2446
SW	GBW 2A-L26	979394.8182	703106.3761
Sediment			
SD	UBW 4-I37	978837.2323	700353.8984
SD	UBW 3-K39	979205.9018	699943.1182
SD	POND 1W-O43	980121.4477	698833.349
SD	UBW 1-O44	980248.7133	698663.3766
SD	BTW 1-P44	980399.2439	698697.5707
SD	GBW 1D-Q29	980789.5255	702544.1615
SD	BTW 3-U30	981720.3364	702258.0104
SD	GBW 1-S35	981288.8613	700929.9513
SD	GBW 1A-R33	981046.7207	701470.9902
SD	GBW 1C-O28	980372.4251	702632.6272
SD	GBW 1B-Q29	980787.6995	702346.3237
SD	GBW 2-M27	979644.6092	702894.8793

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
SD	GBW 2A-L26	979395.4433	703106.8768
SD	GBW 1F-P26	980514.4715	703235.8632
SD	GBW 2A-O25	980327.1949	703401.6968
SD	GBW 3-O25GBW 3-O25	980298.0796	703784.4475
SD	GBW 3-Q23	980798.5778	703994.2827
SD	GBW 5-R20	981056.4553	704802.9708
SD	GBW 3-N24	979996.469	703666.4146
SD	UBW-5-I37	978691.4651	700358.6013
SD	UBW 5A-H37	978414.9805	700356.4028
SD	UBW 5C-G37	978100.181	700360.6265
SD	UBW 6A-I36	978652.6091	700634.8702
SD	POND 2W-P39	980379.0628	699495.3871
SD	UBW 6-I37	978759.1021	700503.6472
SD	GBW 6-R20	980882.9371	704792.9773
SD	GBW 2C-P25	980487.0169	703446.779
SD	GBW 1C-Q29	980680.1408	702478.3907
SD	BTW 2A-T35	981404.7893	701022.4771
SD	BTW 2-S35	981195.9985	700828.6874
SD	POND 3W-S35	981053.1877	700981.8186
SD	BTW 1-P45	980357.8479	698558.3159
SD	UBW 1A-M42	979669.6882	698969.6413
SD	UBW 2-L41	979474.6029	699435.6413
SD	UBW 2A-L40	979344.0926	699664.4558
SD	UBW 3A-J38	979019.9785	700180.2378
SD	GBW3-L27	979381.9672	702960.9657
SD	UBW 1B-L42	979584.727	699084.2549
SD	UBW 5B-G37	978311.6537	700302.8018
SD	UBW 5D-F37	978003.4609	700411.8546
SD	UBW 6B-H36	978432.5601	700767.4617
SD	UBW 6C-H35	978323.5072	700869.4024
SD	UBW 1B-R31	981042.716	702033.4229
SD	UBW 1D-O28	980127.6205	702694.8521
SD	UBW 1E-N28	979871.5834	702801.5342
SD	GBW 2B-L26	979326.3192	703244.8577
SD	GBW 1E-Q27	980608.8754	702844.2071
SD	GBW 2B-P25	980416.8476	703448.7391
SD	GBW 2D-O25	980141.8448	703526.9727
SD	GBW 4-N23	979821.7984	703937.1062
SD	GBW 4-O23	980179.7762	703937.1062
SD	GBW 4-R21	980855.4297	704510.8189
Soil			
S	B1 - APDA789	979507.2045	703228.2809
S	B1 - B103	979625.7888	699818.465
S	B1 - B104145	978981.5312	699895.8293
S	B1 - B105139	978490.3502	700128.5152
S	B1 - B106	978765.5402	699856.5447
S	B1 - B107	977987.8798	700436.9351
S	B1 - B108	978182.2044	701009.7174
S	B1 - B109	978769.7867	701471.5965

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	B1 - B11011112	979018.625	701391.5121
S	B1 - B113	978688.6671	701287.6098
S	B1 - B114	978703.3008	701101.5641
S	B1 - B115	978565.3391	700916.2863
S	B1 - B116128	978836.9649	700692.9304
S	B1 - B117	979054.7664	700963.4809
S	B1 - B119120	979521.1181	700421.2176
S	B1 - B122	979898.0131	700249.9858
S	B1 - B123	979589.7259	700078.8708
S	B1 - B124135	981300.0453	702074.7904
S	B1 - B125136	980217.5507	702897.1223
S	B1 - B142	978017.1698	700736.8283
S	B1 - B143	978236.0709	700700.9727
S	B1 - B146	978870.7715	699539.3358
S	B1 - B147	977974.0363	700216.1318
S	B1 - B148	979255.3332	699048.3872
S	B1 - B149	980236.0186	700058.0551
S	B1 - B150151	979227.714	699473.2212
S	B1 - B153	979534.3302	698795.5188
S	B1 - B154	980514.6949	700526.315
S	B1 - B155	978483.4625	700516.8663
S	B1 - B156	980371.6892	702613.937
S	B1 - BP	980132.773	704615.3636
S	B1 - BVL	981053.2631	701244.9825
S	B1 - DA23	978938.0197	700951.8277
S	B1 - PSO	980416.8635	699206.9113
S	B10 - APDA789	979684.6041	703274.7883
S	B10 - B105139	978698.8744	700104.0706
S	B10 - B113	978905.1407	701193.1393
S	B10 - B116128	978881.4556	700628.1965
S	B10 - B122	979783.1021	699875.9484
S	B10 - B147	978267.4613	700162.1153
S	B11 - APDA789	979571.343	703262.4775
S	B11 - B105139	978650.5435	700331.496
S	B11 - B113	978955.5915	701124.3468
S	B11 - B116128	978858.0793	700623.9455
S	B11 - B122	979964.8638	700108.6854
S	B11 - B147	978346.3719	700275.581
S	B12 - B105139	978669.2133	700343.2883
S	B12 - B116128	978837.8903	700633.1088
S	B12 - B122	979929.0824	700124.2185
S	B12 - B147	978285.5253	700249.7395
S	B13 - B105139	978895.1632	700214.3229
S	B13 - B116128	978800.0126	700647.7994
S	B13 - B122	979979.0007	700136.438
S	B14 - B105139	978936.1474	700228.5222
S	B14 - B116128	978831.6923	700607.7778
S	B14 - B122	979948.9792	700152.1459
S	B18 - B104145	979093.8119	700042.7488
S	B2 - APDA789	979614.1401	703412.8692

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	B2 - B103	979649.9543	699788.2598
S	B2 - B104145	979074.9289	699840.214
S	B2 - B105139	978565.3416	700229.3439
S	B2 - B107	977990.1478	700458.8659
S	B2 - B108	978218.6965	701117.3174
S	B2 - B109	978801.3489	701486.5482
S	B2 - B11011112	978928.9247	701528.0966
S	B2 - B113	978751.0389	701323.3846
S	B2 - B114	978662.5885	701116.889
S	B2 - B115	978492.2455	700808.5409
S	B2 - B116128	978849.9579	700656.157
S	B2 - B119120	979559.478	700460.4371
S	B2 - B122	979979.6363	700222.7807
S	B2 - B124135	981288.6465	702053.0497
S	B2 - B125136	980487.9367	702825.8945
S	B2 - B142	977976.588	700770.0419
S	B2 - B143	978162.2406	700694.456
S	B2 - B144	980180.8254	700455.5832
S	B2 - B146	978895.9453	699506.4719
S	B2 - B147	978041.6716	700226.3818
S	B2 - B148	979233.8593	699122.771
S	B2 - B149	980284.9019	700120.5845
S	B2 - B150151	979273.121	699454.809
S	B2 - B153	979489.5829	698733.3655
S	B2 - B155	978555.5058	700544.7073
S	B2 - B156	980419.38	702792.0694
S	B2 - BP	980108.5715	704593.2961
S	B2 - DA23	978746.4629	700868.3577
S	B3 - APDA789	979794.1489	703498.4566
S	B3 - B103	979518.0543	699841.6195
S	B3 - B104145	979094.8669	699858.0544
S	B3 - B105139	978597.9384	700137.6752
S	B3 - B107	977997.7087	700506.5089
S	B3 - B109	978812.9764	701514.789
S	B3 - B11011112	979001.3931	701530.8164
S	B3 - B113	978849.184	701341.7328
S	B3 - B115	978543.9367	700903.2284
S	B3 - B116128	978794.4667	700668.7068
S	B3 - B119120	979520.7397	700467.206
S	B3 - B122	979955.4247	700277.3237
S	B3 - B124135	981220.3257	701931.7147
S	B3 - B125136	980200.6812	703212.8118
S	B3 - B142	978057.0132	700791.8068
S	B3 - B143	978272.0926	700643.9824
S	B3 - B146	978907.1315	699563.8106
S	B3 - B147	978038.0171	700096.1647
S	B3 - B148	979273.0647	699211.4549
S	B3 - B150151	979247.65	699537.6372
S	B3 - B155	978322.4055	700443.5512
S	B3 - BP	980122.9664	704591.0807

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	B3 - DA 23	978799.9236	700738.7774
S	B4 - APDA789	980052.6411	703700.9333
S	B4 - B104145	979104.3098	699911.5741
S	B4 - B105139	978564.0781	700099.5888
S	B4 - B107	978038.5864	700432.1901
S	B4 - B109	978688.6139	701425.5536
S	B4 - B11011112	979009.5443	701580.639
S	B4 - B113	978804.2396	701316.9655
S	B4 - B116128	978821.4199	700546.069
S	B4 - B119120	979531.2922	700539.9585
S	B4 - B122	979945.0764	700128.7298
S	B4 - B124135	981201.2623	701703.3384
S	B4 - B142	977943.9456	700735.5049
S	B4 - B147	978116.6067	700104.2971
S	B4 - B149	980175.7678	699961.4193
S	B4 - B153	979422.456	698842.7508
S	B4 - B155	978337.9553	700466.8776
S	B4 - BP	980101.3227	704610.0652
S	B4 - DA23	978729.2737	700664.7571
S	B5 - APDA789	979643.5355	703826.7878
S	B5 - B104145	979043.4463	699867.4974
S	B5 - B105139	978605.3494	700086.8156
S	B5 - B109137	978660.845	701419.6392
S	B5 - B11011112	978991.4248	701658.5424
S	B5 - B113	978801.4895	701261.9302
S	B5 - B114	978656.467	700943.2977
S	B5 - B115	978524.2207	700782.4496
S	B5 - B116128	978840.7294	700683.3781
S	B5 - B122	979957.8663	700088.5368
S	B5 - B124135	981238.0545	701713.2241
S	B5 - B147	978138.2837	700200.9548
S	B5 - B149	980253.074	699978.4747
S	B5 - DA23	978859.1781	700699.3465
S	B6 - APDA789	979794.9121	703634.938
S	B6 - B104145	979179.8688	699825.5257
S	B6 - B105139	978604.03	700062.7846
S	B6 - B107	978091.4836	700424.8386
S	B6 - B109137	978659.9446	701458.0792
S	B6 - B11011112	979011.3525	701694.7775
S	B6 - B113	978837.2626	701250.007
S	B6 - B116128	978860.2027	700680.2618
S	B6 - B122	979988.9245	700093.4097
S	B6 - B124135	981187.0986	701746.3423
S	B6 - B147	978215.0701	700094.3635
S	B6 - B149	980276.9492	699943.2325
S	B6 - DA23	978794.0185	700698.9198
S	B7 - APDA789	979415.6256	703217.2913
S	B7 - B104145	979198.6029	699850.9484
S	B7 - B105139	978634.8291	700071.0942
S	B7 - B107	978123.9605	700367.1088

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	B7 - B109137	978707.151	701472.6924
S	B7 - B11011112	979024.0325	701759.9998
S	B7 - B113	978871.2003	701265.6013
S	B7 - B116128	978880.9227	700680.7937
S	B7 - B122	979903.3412	700086.1488
S	B7 - B124135	981340.6128	701698.6482
S	B7 - B147	978226.8093	700232.5743
S	B8 - APDA789	979260.2739	703231.4094
S	B8 - B105139	978680.0306	700071.0956
S	B8 - B109137	978630.4417	701414.8613
S	B8 - B113	978873.0321	701356.4096
S	B8 - B116128	978881.4544	700665.3864
S	B8 - B122	980036.2162	700189.6236
S	B8 - B124135	981154.2336	701849.4058
S	B8 - B147	978292.757	700081.7192
S	B9 - APDA789	979742.4443	703400.3244
S	B9 - B105139	978713.4407	700059.3049
S	B9 - B113	978945.496	701315.1354
S	B9 - B116128	978881.455	700646.7915
S	B9 - B122	979943.5653	699942.4228
S	B9 - B147	978334.7612	700162.1708
S	BS1a - B109137	978677.1915	701431.2976
S	BS1b - B109137	978693.6294	701437.199
S	S1 - APDA789	979659.5686	703470.1117
S	S1 - B106	978690.5603	699859.6766
S	S1 - B107	977937.615	700481.103
S	S1 - B108	978248.9006	701079.5644
S	S1 - B116128	978835.8491	700558.5484
S	S1 - B119120	979520.3593	700582.1771
S	S1 - B123	979748.1422	700092.7115
S	S1 - B124135	981160.8103	702059.674
S	S1 - B125136	980450.6212	702864.3999
S	S1 - B134	980446.7797	703864.5988
S	S1 - B144	980258.3636	700462.2957
S	S1 - B147	978202.005	700319.6929
S	S1 - B149	980278.6629	700081.9418
S	S1 - B152	980086.5688	699539.943
S	S1 - B153	979370.2563	698589.1694
S	S1 - B154	980644.2038	700711.2208
S	S1 - B155	978362.3863	700650.1538
S	S1 - BP	980128.4112	704600.5595
S	S1 - BVL	980952.455	700831.1776
S	S1 - DA	979383.45	704422.2432
S	S1 - DA23	978938.7613	701029.5699
S	S1 - PSO	980435.7593	699239.3671
S	S-1 - B156	980497.6971	702448.0296
S	S10 - DA	979075.0539	704622.035
S	S10 - TA	980339.2878	705251.7824
S	S10 - TRA2	980502.0044	703653.5491
S	S10 - TRA3	980770.5621	703073.5745
S	S11 - DA	979245.3442	704592.0951
S	S11 - TA	980321.286	705321.2304
S	S11 - TRA3	980911.4894	702646.4298
S	S12 - DA	979214.6771	704609.7726

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S12 - TA	980291.4158	705249.7582
S	S12 - TRA3	980962.6708	702661.2908
S	S13 - DA	979185.4533	704622.76
S	S13 - TRA3	980976.7027	702723.205
S	S14 - DA	979158.3942	704638.2729
S	S14 - TRA3	981011.3763	702655.5136
S	S15 - DA	979129.8921	704646.2092
S	S16 - DA	979103.9155	704655.228
S	S17 - DA	979146.1265	704673.2686
S	S18 - DA	979127.0046	704686.9778
S	S19 - DA	979078.2988	704694.5528
S	S1-a - B121	979222.2816	700195.6988
S	S1-a - Bunker\ESM\Rubble	979968.1968	701784.7105
S	S1-a - DUMP	978905.2446	703210.5263
S	S1-a - TA	979882.562	705246.1541
S	S1-a - TRA1	980134.6018	704489.4203
S	S1-a - TRA2	980383.7787	703746.0741
S	S1-a - TRA3	980636.8662	703249.6367
S	S1-b - B121	979274.3029	700199.115
S	S1-b - DUMP	978977.784	703654.5728
S	S1-b - TA	979945.8718	705246.1561
S	S1-b - TRA1	980197.2981	704489.4223
S	S1-b - TRA2	980449.4869	703746.0762
S	S1-b - TRA3	980702.0314	703248.4319
S	S1-c - B121	979256.4471	700151.5362
S	S1-c - Bunker\ESM\Rubble	979952.4862	701863.0125
S	S1-c - TA	980007.6742	705246.158
S	S1-c - TRA1	980259.9945	704489.4242
S	S1-c - TRA2	980515.195	703746.0782
S	S1-c - TRA3	980767.1964	703249.6407
S	S1-d - B121	979233.3778	700160.2859
S	S1-d - Bunker\ESM\Rubble	979914.7006	701905.6713
S	S1-d - TA	979882.5639	705184.3514
S	S1-d - TRA1	980134.6036	704431.5465
S	S1-d - TRA2	980383.7808	703679.1488
S	S1-d - TRA3	980636.8682	703184.4712
S	S1-e - TA	979945.8736	705184.3533
S	S1-e - TRA1	980197.2999	704431.5484
S	S1-e - TRA2	980449.4888	703680.3677
S	S1-e - TRA3	980702.0333	703184.4732
S	S1-f - TA	980007.676	705184.3552
S	S1-f - TRA1	980259.9962	704432.1532
S	S1-f - TRA2	980515.197	703680.3697
S	S1-f - TRA3	980767.1984	703184.4752
S	S1-g - TA	979882.5658	705121.0412
S	S1-g - TRA1	980134.6054	704371.8641
S	S1-g - TRA2	980383.7827	703614.6571
S	S1-g - TRA3	980636.8702	703119.3057
S	S1-h - TA	979945.8756	705119.5358
S	S1-h - TRA1	980197.3017	704371.866
S	S1-h - TRA2	980449.4908	703614.6592
S	S1-h - TRA3	980702.0353	703119.3078
S	S1-i - TA	980007.6779	705121.0451
S	S1-i - TRA1	980259.998	704371.868
S	S1-i - TRA2	980515.199	703614.6612

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S1-i - TRA3	980765.9936	703119.3098
S	S2 - APDA789	979556.2649	703359.0571
S	S2 - B107	978099.0318	700321.2382
S	S2 - B116128	978932.9342	700565.972
S	S2 - B117	978987.6403	700818.8894
S	S2 - B123	979741.7231	700164.3684
S	S2 - B124135	981165.4544	701941.6895
S	S2 - B125136	980489.4945	702894.4075
S	S2 - B134	980515.1559	703877.7503
S	S2 - B147	978065.7418	700252.33
S	S2 - B152	980082.2553	699672.1064
S	S2 - B155	978494.4245	700616.9579
S	S2 - B156	980313.622	702521.3856
S	S2 - BP	980110.6966	704613.3133
S	S2 - DA	979283.0962	704551.4977
S	S2 - PSO	980456.1914	699216.1501
S	S24 - DA	979261.767	704529.8094
S	S25 - DA	979300.6837	704568.096
S	S26 - DA	979331.398	704530.81
S	S27 - DA	979284.578	704503.7963
S	S2-a - B106	978618.8122	699846.5327
S	S2-a - B119120	979368.5556	700607.1266
S	S2-a - B154	980495.8366	700499.8404
S	S2-a - Bunker\ESM\Rubble	979766.0095	701627.7677
S	S2-a - TA	979882.5696	704995.9284
S	S2-a - TRA1	980134.0066	704239.2366
S	S2-a - TRA2	980383.7866	703486.8906
S	S2-a - TRA3	980636.8368	702995.8616
S	S2-b - B106	978663.9164	699860.6567
S	S2-b - B119120	979333.8083	700601.8607
S	S2-b - B154	980518.5794	700495.7799
S	S2-b - Bunker\ESM\Rubble	979669.3281	701738.7322
S	S2-b - Bunker\ESM\Rubble	979889.8026	701843.8042
S	S2-b - TA	979945.8793	704995.9304
S	S2-b - TRA1	980196.7029	704239.2385
S	S2-b - TRA2	980450.7115	703485.6759
S	S2-b - TRA3	980702.0019	702995.8636
S	S2-c - B106	978700.6347	699836.3941
S	S2-c - B119120	979372.7685	700571.3261
S	S2-c - B154	980508.0208	700479.5347
S	S2-c - Bunker\ESM\Rubble	979601.4585	701842.2811
S	S2-c - TA	980009.1891	704995.9323
S	S2-c - TRA1	980259.3991	704239.8433
S	S2-c - TRA2	980515.2029	703485.6779
S	S2-c - TRA3	980767.167	702995.8656
S	S2-d - B106	978663.9174	699827.4359
S	S2-d - B119120	979335.9154	700562.9013
S	S2-d - B154	980490.1515	700482.7831
S	S2-d - Bunker\ESM\Rubble	979545.3893	701914.1918
S	S2-d - TA	979882.5714	704934.1257
S	S2-d - TRA1	980134.0083	704181.3627
S	S2-d - TRA2	980383.7885	703422.3989
S	S2-d - TRA3	980636.8388	702930.6961
S	S2-e - Bunker\ESM\Rubble	979469.8156	702086.048
S	S2-e - TA	979945.8812	704934.1276

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S2-e - TRA1	980197.3074	704181.9675
S	S2-e - TRA2	980449.4966	703422.401
S	S2-e - TRA3	980702.0039	702930.6981
S	S2-f - TA	980007.6836	704934.1295
S	S2-f - TRA1	980259.4009	704181.9695
S	S2-f - TRA2	980515.2048	703422.403
S	S2-f - TRA3	980767.169	702930.7001
S	S-2f - Bunker\ESM\Rubble	979332.6067	702072.9352
S	S2-g - TA	979882.5733	704870.8155
S	S2-g - TRA1	980134.0101	704122.2832
S	S2-g - TRA2	980383.7903	703361.5577
S	S2-g - TRA3	980636.8406	702870.3577
S	S2-h - TA	979945.8831	704870.8175
S	S2-h - TRA1	980196.7064	704122.2851
S	S2-h - TRA2	980450.7153	703361.5598
S	S2-h - TRA3	980702.0057	702870.3597
S	S2-i - TA	980007.6855	704870.8194
S	S2-i - TRA1	980259.4027	704121.6842
S	S2-i - TRA2	980513.9898	703361.5618
S	S2-i - TRA3	980767.1708	702870.3618
S	S3 - B107	977977.4769	700326.6541
S	S3 - B116128	978847.0751	700609.559
S	S3 - B117	979015.1796	700866.2261
S	S3 - B123	979738.5125	700232.8168
S	S3 - B124135	981175.4324	701893.054
S	S3 - B125136	980186.3504	702969.3974
S	S3 - B152	980040.7216	699674.6591
S	S3 - B155	978356.803	700677.1297
S	S3 - Bunker\ESM\Rubble	979165.2962	702208.0474
S	S3 - DA	979160.7099	704614.1807
S	S3 - PSO	980382.3601	699198.038
S	S3-a - TA	979884.0845	704745.695
S	S3-a - TRA1	980131	703988.271
S	S3-a - TRA2	980636.8845	703488.1153
S	S3-a - TRA3	980635.6377	702742.4403
S	S3-b - TA	979947.3943	704745.697
S	S3-b - TRA1	980196.0344	703985.5633
S	S3-b - TRA2	980702.5927	703488.1173
S	S3-b - TRA3	980700.8028	702742.4423
S	S3-c - TA	980009.1967	704745.6989
S	S3-c - TRA1	980258.3589	703985.5652
S	S3-c - TRA2	980768.3008	703488.1194
S	S3-c - TRA3	980765.9679	702742.4443
S	S3-d - TA	979884.0864	704683.8923
S	S3-d - TRA1	980131.0017	703931.3657
S	S3-d - TRA2	980636.8865	703421.19
S	S3-d - TRA3	980635.6397	702677.2748
S	S3-e - TA	979948.9035	704683.8943
S	S3-e - TRA1	980198.7458	703928.6581
S	S3-e - TRA2	980702.5946	703422.4088
S	S3-e - TRA3	980700.8048	702677.2769
S	S3-f - TA	980009.1985	704683.8961
S	S3-f - TRA1	980255.6508	703928.6598
S	S3-f - TRA2	980768.3027	703423.6277
S	S3-f - TRA3	980765.9699	702677.2789

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S3-g - TA	979884.0883	704620.5821
S	S3-g - TA	979947.398	704620.5841
S	S3-g - TRA1	980131.0038	703863.6213
S	S3-g - TRA2	980636.8884	703360.3488
S	S3-g - TRA3	980635.6415	702616.9365
S	S3-h - TA	980009.2004	704620.586
S	S3-h - TRA1	980196.0381	703860.9136
S	S3-h - TRA2	980703.8133	703360.3508
S	S3-h - TRA3	980700.8066	702616.9385
S	S3-i - TRA1	980261.0724	703860.9156
S	S3-i - TRA2	980768.3046	703360.3528
S	S3-i - TRA3	980765.9717	702616.9405
S	S4 - B116128	978805.4666	700626.0689
S	S4 - B117	979080.3136	700771.5515
S	S4 - B125136	980282.0279	702861.2462
S	S4 - B134	980494.9911	703961.0294
S	S4 - B155	978411.4004	700655.1164
S	S4 - DA	979261.2198	704553.9215
S	S4 - PSO	980404.1835	699236.1157
S	S4 - TRA2	980745.5182	703470.6663
S	S4-a - TA	980132.7863	705246.1541
S	S4-a - TRA1	980133.3503	703745.0916
S	S4-a - TRA3	980635.6453	702492.6394
S	S4-b - TA	980196.0961	705246.1561
S	S4-b - TRA1	980202.7054	703745.0938
S	S4-b - TRA3	980700.8103	702492.6414
S	S4-c - TA	980257.8985	705246.158
S	S4-c - TRA1	980262.4942	703746.2914
S	S4-c - TRA3	980765.9754	702492.6434
S	S4-d - TA	980132.7882	705184.3514
S	S4-d - TRA1	980132.1566	703676.9319
S	S4-d - TRA3	980635.6472	702427.4739
S	S4-e - TA	980196.098	705184.3533
S	S4-e - TRA1	980202.7075	703675.7383
S	S4-e - TRA3	980700.8123	702427.476
S	S4-f - TA	980257.9004	705184.3553
S	S4-f - TRA1	980261.3006	703675.7401
S	S4-f - TRA3	980765.9774	702427.478
S	S4-g - TA	980132.7901	705121.0413
S	S4-g - TRA1	980132.1585	703611.1638
S	S4-g - TRA3	980635.649	702367.1356
S	S4-h - TA	980196.0999	705121.0432
S	S4-h - TRA1	980202.7094	703612.3617
S	S4-h - TRA3	980700.8141	702367.1376
S	S4-i - TA	980257.9023	705121.0452
S	S4-i - TRA1	980261.3025	703609.972
S	S4-i - TRA3	980765.9792	702367.1396
S	S5 - B117	979104.4245	700736.1529
S	S5 - B125136	980407.8563	702996.9628
S	S5 - B134	980645.769	704005.7421
S	S5 - B155	978463.3557	700644.5508
S	S5 - DA	979229.4705	704565.3966
S	S5 - TRA1	980161.0523	704152.9768
S	S5 - TRA2	980409.1296	703653.7766
S	S5-a - TA	980132.7939	704995.9284

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S5-a - TRA3	980883.0161	702995.8692
S	S5-b - TA	980196.1036	704995.9304
S	S5-b - TRA3	980948.1812	702995.8712
S	S5-c - TA	980257.906	704995.9323
S	S5-c - TRA3	981013.3462	702995.8732
S	S5-d - TA	980132.7957	704934.1257
S	S5-d - TRA3	980883.018	702930.7037
S	S5-e - TA	980196.1055	704934.1276
S	S5-e - TRA3	980948.1831	702930.7058
S	S5-f - TA	980257.9079	704934.1296
S	S5-f - TRA3	981013.3482	702930.7078
S	S5-g - TA	980132.7977	704870.8156
S	S5-g - TRA3	980883.0198	702870.3654
S	S5-h - TA	980196.1074	704870.8175
S	S5-h - TRA3	980948.1849	702870.3674
S	S5-i - TA	980257.9098	704870.8195
S	S5-i - TRA3	981013.35	702870.3694
S	S6 - B117	979063.0363	700747.5994
S	S6 - B125136	980336.6193	703040.1182
S	S6 - B155	978387.6231	700699.1456
S	S6 - DA	979199.886	704578.3839
S	S6 - TRA1	980158.5736	704223.1458
S	S6 - TRA2	980351.4173	703317.39
S	S6-a - TA	980134.3088	704745.7028
S	S6-a - TRA3	980881.8169	702742.4479
S	S6-b - TA	980197.6186	704745.7047
S	S6-b - TRA3	980946.982	702742.45
S	S6-c - TA	980259.421	704745.7066
S	S6-c - TRA3	981012.1471	702742.452
S	S6-d - TA	980134.3107	704683.9
S	S6-d - TRA3	980881.8189	702677.2825
S	S6-e - TA	980197.6204	704683.902
S	S6-e - TRA3	980946.984	702677.2845
S	S6-f - TA	980259.4228	704683.9039
S	S6-f - TRA3	981012.1491	702677.2865
S	S6-g - TA	980197.6224	704620.5919
S	S6-g - TRA3	980881.8207	702616.9441
S	S6-h - TA	980259.4248	704620.5938
S	S6-h - TRA3	980946.9858	702616.9461
S	S6-i - TRA3	981012.1509	702616.9481
S	S7 - B117	979049.8269	700764.3303
S	S7 - B125136	980370.36	702918.6716
S	S7 - DA	979169.2191	704589.2065
S	S7 - TRA1	980232.0444	704219.846
S	S7 - TRA2	980435.9634	703651.896
S	S7-a - TA	980383.0106	705246.1619
S	S7-a - TRA3	980881.8245	702492.647
S	S7-b - TA	980446.3204	705246.1639
S	S7-b - TRA3	980946.9896	702492.6491
S	S7-c - TA	980508.1228	705246.1658
S	S7-c - TRA3	981012.1547	702492.6511
S	S7-d - TA	980383.0125	705184.3592
S	S7-d - TRA3	980881.8265	702427.4816
S	S7-e - TA	980446.3223	705184.3611
S	S7-e - TRA3	980946.9915	702427.4836

M3-2: GIS Coordinates of Samples
Chemtronics Site - Swannanoa, NC

Medium	Sample ID	X Coordinate	Y Coordinate
S	S7-f - TA	980508.1247	705184.363
S	S7-f - TRA3	981012.1566	702427.4856
S	S7-g - TA	980383.0144	705121.049
S	S7-g - TRA3	980881.8283	702367.1432
S	S7-h - TA	980446.3242	705121.051
S	S7-h - TRA3	980946.9934	702367.1452
S	S7-i - TA	980508.1266	705121.0529
S	S7-i - TRA3	981012.1585	702367.1472
S	S8 - B117	979059.5148	700717.6589
S	S8 - B125136	980173.1735	703166.6304
S	S8 - DA	979139.6345	704603.637
S	S8 - TA	980321.2874	705275.5002
S	S8 - TRA1	980232.0464	704155.4556
S	S8 - TRA2	980415.3235	703721.2388
S	S8-a - TRA3	980881.832	702242.8461
S	S8-b - TRA3	980946.9971	702242.8481
S	S8-c - TRA3	981012.1622	702242.8502
S	S8-d - TRA3	980881.834	702177.6807
S	S8-e - TRA3	980946.9991	702177.6827
S	S8-f - TRA3	981012.1642	702177.6847
S	S8-g - TRA3	980881.8358	702117.3423
S	S8-h - TRA3	980947.0009	702117.3443
S	S8-i - TRA3	981012.166	702117.3463
S	S9 - DA	979110.7717	704610.8518
S	S9 - TA	980321.2887	705234.2511
S	S9 - TRA2	980485.4921	703722.0665
S	S9 - TRA3	980804.894	702854.955
S	SI - B117	979029.4703	700780.141
S	SS1A - B109137	978679.2984	701448.5789
S	SS4A - B109137	978661.5965	701427.5037
S	TP1 - DUMP	979302.4551	702859.3104
S	TP3 - DUMP	979351.4041	702821.4883
S	TP5 - DUMP	979314.3224	702822.2288

M4 Contents: Chemical Distribution Figures

Table M4-1: Screening Benchmarks Used in Attachment M4 Figures

Figures

M4-1: Aldrin in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-2: BZ in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-3: CS in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-4A: HMX in Soil, Surface Water, Groundwater, and Sediment (Most Current Data)

M4-4B: HMX in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-5A: Perchlorate in Soil, Surface Water, Groundwater, and Sediment (Most Current Data)

M4-5B: Perchlorate in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-6A: Picric Acid in Soil, Surface Water, Groundwater, and Sediment (Most Current Data)

M4-6B: Picric Acid in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-7A: RDX in Soil, Surface Water, Groundwater, and Sediment (Most Current Data)

M4-7B: RDX in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-8A: Tetryl in Soil, Surface Water, Groundwater, and Sediment (Most Current Data)

M4-8B: Tetryl in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-9: TNB in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-10: TNT in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-11: 2-Amino-4,6 DNT in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-12: PAHs in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-13: Copper in Soil, Surface Water, Groundwater, and Sediment (All Results)

M4-1: Screening Benchmarks Used in Appendix M4 Figures
Chemtronics Site - Swannanoa, NC

Chemical	Benchmarks					
	Soil		Surface Water/Groundwater		Sediment	
	Value (mg/kg)	Source	Value (mg/L)	Source	Value (mg/kg)	Source
Copper	70	EcoSSL (e)	0.009	NRWQC	19	EPA Region 4
PAHs HMW	18	EcoSSL (f)	0.06	EPA Region 4 (d)	0.655	EPA Region 5
PAHs LMW	29	EcoSSL (f)	0.06	EPA Region 4 (d)	0.312	EPA Region 6
Aldrin	0.017	EqP	0.000002	NC DENR	0.017	EqP
CS	1	(a)	Not Detected	--	1	(a)
BZ	Not Detected	--	Not Detected	--	1	(a)
HMX	99	Exp EcoSSL	0.328	Sunahara et al. 2009	39.3	Steevens et al. 2002
Perchlorate	1	NCEA	0.6	NCEA	1	NCEA (b)
Picric acid	16	(c) Exp EcoSSL	1	Sunahara et al. 2009	Not Detected	--
RDX	600	Exp EcoSSL	0.38	Sunahara et al. 2009	27.9	Steevens et al. 2002
Tetryl	16	(c) Exp EcoSSL	0.04	(c) Sunahara et al. 2009	Not Detected	--
TNT	16	Exp EcoSSL	Not Detected	--	Not Detected	--
TNB	18	Exp EcoSSL	Not Detected	--	Not Detected	--
2-Amino, 4,6-DNT	16	(c) Exp EcoSSL	Not Detected	--	Not Detected	--
1-Nitronaphthalene	18	EcoSSL (f)	0.022	EPA Region 5 (h)	1	Steevens et al. 2002 (g)

(a)	Perchlorate values used as a surrogates
(b)	Perchlorate soil value used as a surrogate for sediments
(c)	TNT values used as surrogates
(d)	Naphthalene used as a surrogate
EcoSSL (e)	USEPA. 2007. Ecological Soil Screening Levels for Copper. Plants and Invertebrates.
EcoSSL (f)	USEPA. 2007. Ecological Soil Screening Levels for PAHs. Invertebrates.
(g)	TNT value used as surrogate
(h)	1,3-Dinitrobenzene used as a surrogate
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509
EqP	Aldrin EqP based on USEPA. 2008. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: Compendium of Tier 2 Values for Nonionic Organics (EPA/600/R-02/0160). March.

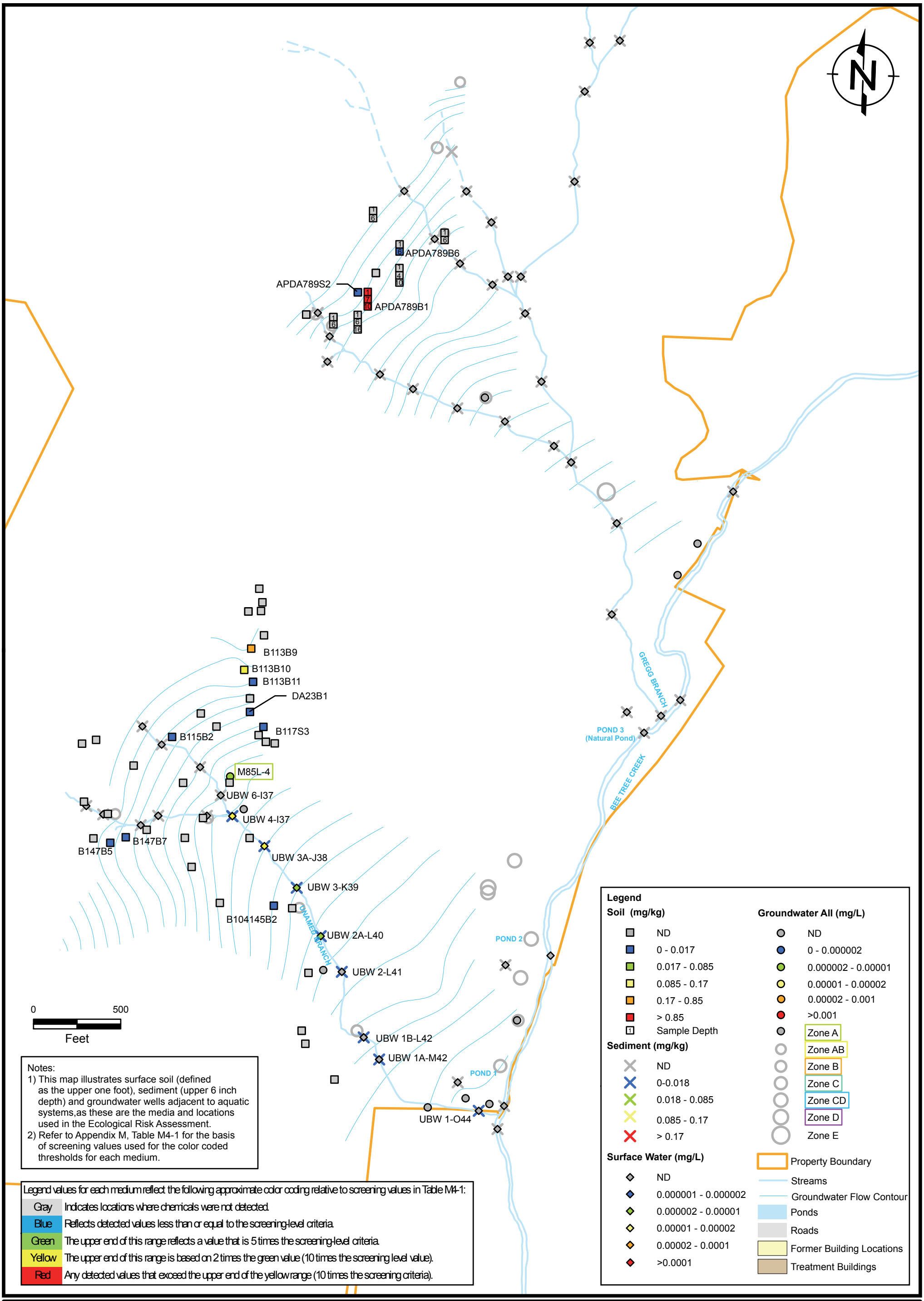
M4-1: Screening Benchmarks Used in Appendix M4 Figures
Chemtronics Site - Swannanoa, NC

Chemical	Benchmarks					
	Soil		Surface Water/Groundwater		Sediment	
	Value (mg/kg)	Source	Value (mg/L)	Source	Value (mg/kg)	Source

NCEA	USEPA. 2002. Perchlorate Environmental Contamination: Toxicological Review and Risk Characterization. NCEA-1-0503. External Review Draft. http://oaspub.epa.gov/eims/eimscomm.getfile?p_download_id=36247
NRWQC	National Recommended Water Quality Criteria. Similar value also seen from North Carolina Water Quality Criteria.
Stevens 2002	Steevens, J.A., B.M. Duke, G.R. Lotufo, and T.S. Bridges. 2002. Toxicity of the Explosives 2,4,6-Trinitrotoluene, Hexahydro-1,3,5-trinitro-1,3,5-triazine, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine in Sediments to Chironomus tentans and Hyalella azteca: Low-Dose Hormesis and High-Dose Mortality. Environmental Toxicology and Chemistry 21(7):1475-1482.

Note: For each of the Attachment 4 figures, a consistent pattern of color coding relative to the screening level criterion shown above is provided, as follows:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects values that are detect but are less than or equal to the screening-level criterion as identified in the table above.
Green	The upper end of this range reflects a value that is 5 times the screening-level criterion shown in the table above.
Yellow	The upper end of this range is based on 2 times the green value (so 10 times the screening level value in the table above).
Red	Any detections that exceed the upper end of the yellow range (10 times the screening value) are reflected in red.



ENVIRON

DRAFTED BY: HN

DATE: 9/3/2014

ALDRIN RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

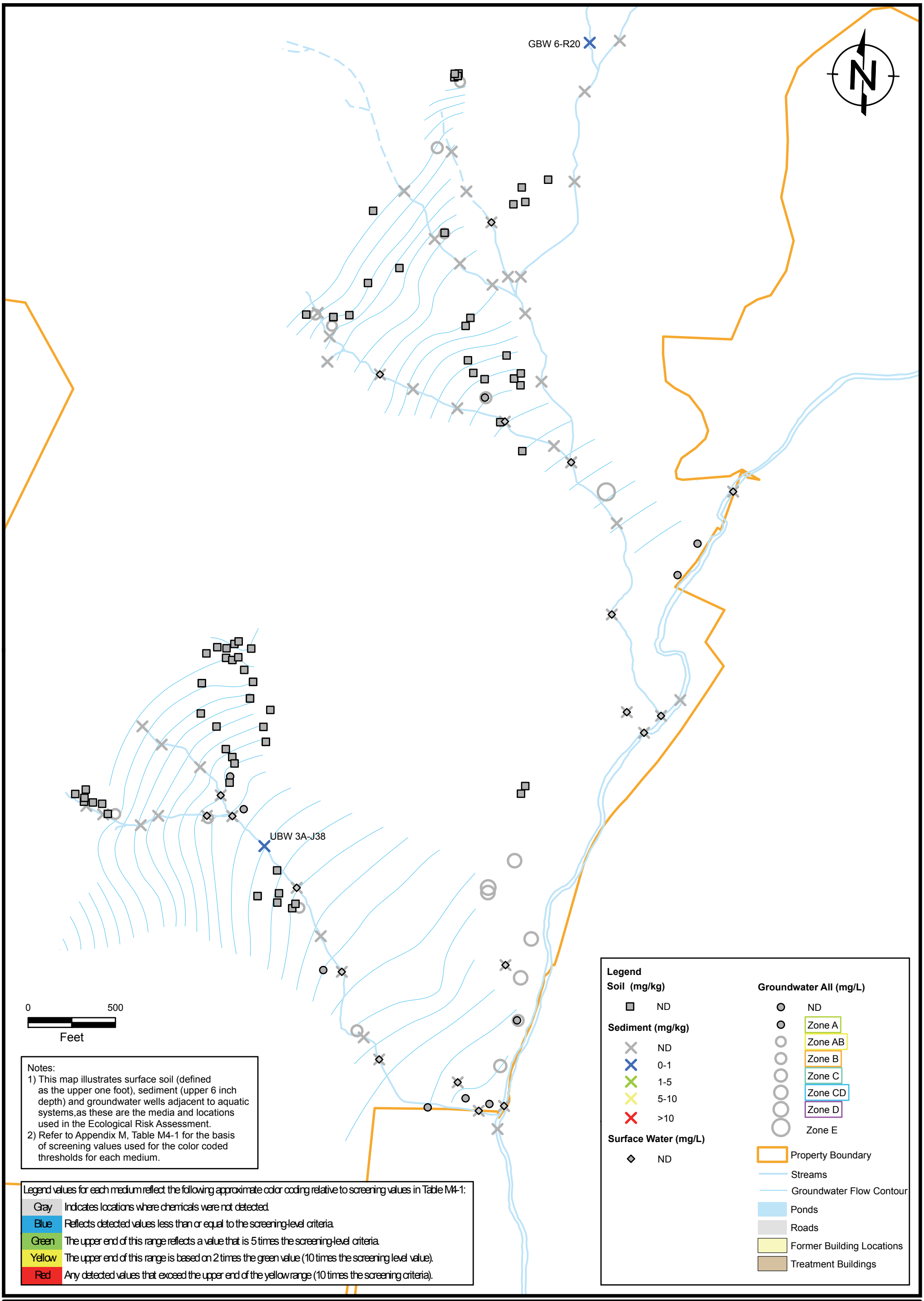
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-1

0211472i



ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

BZ (3-QUINUCLIDINYL BENZILATE)RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

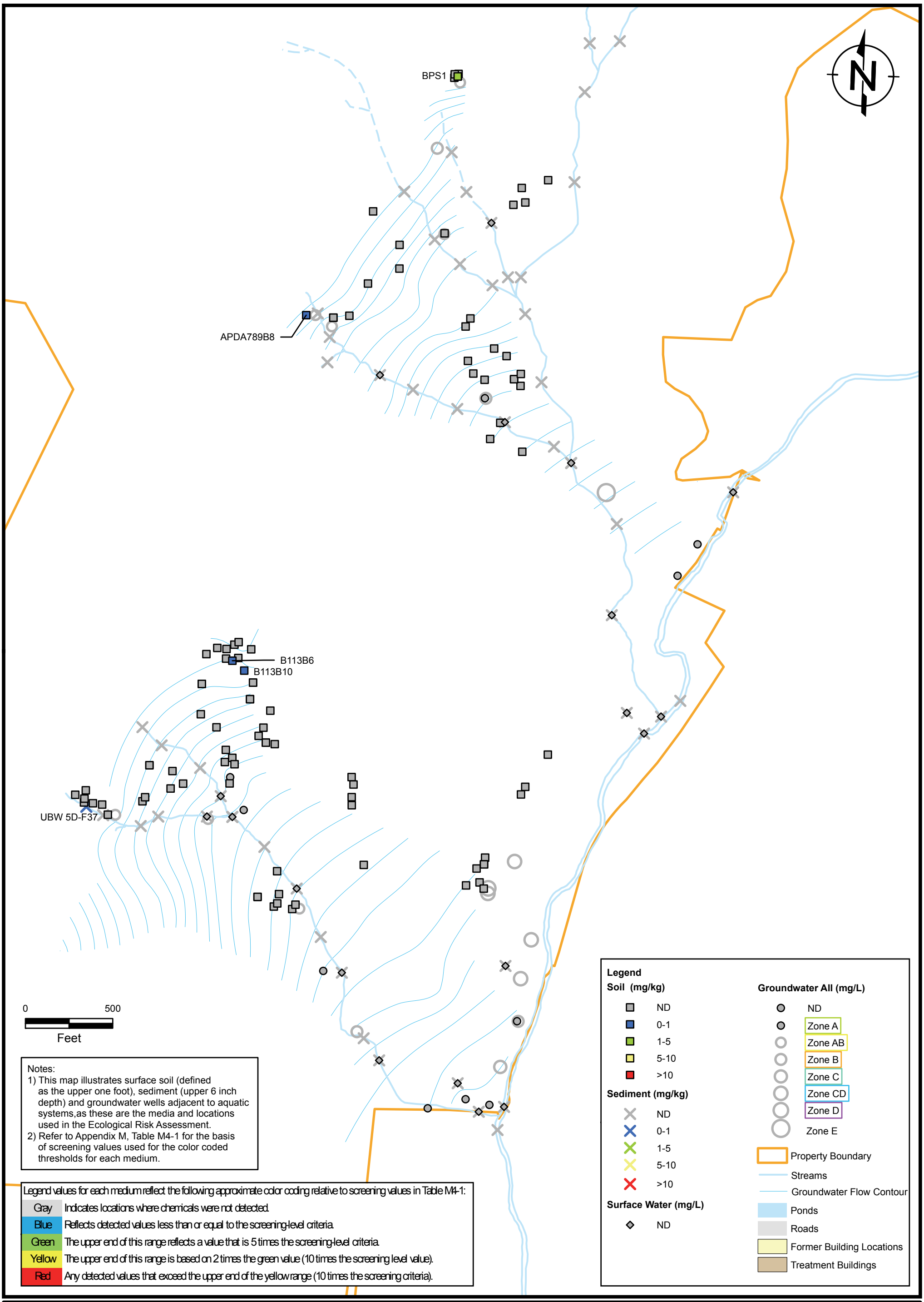
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-2

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN | DATE: 8/26/2014

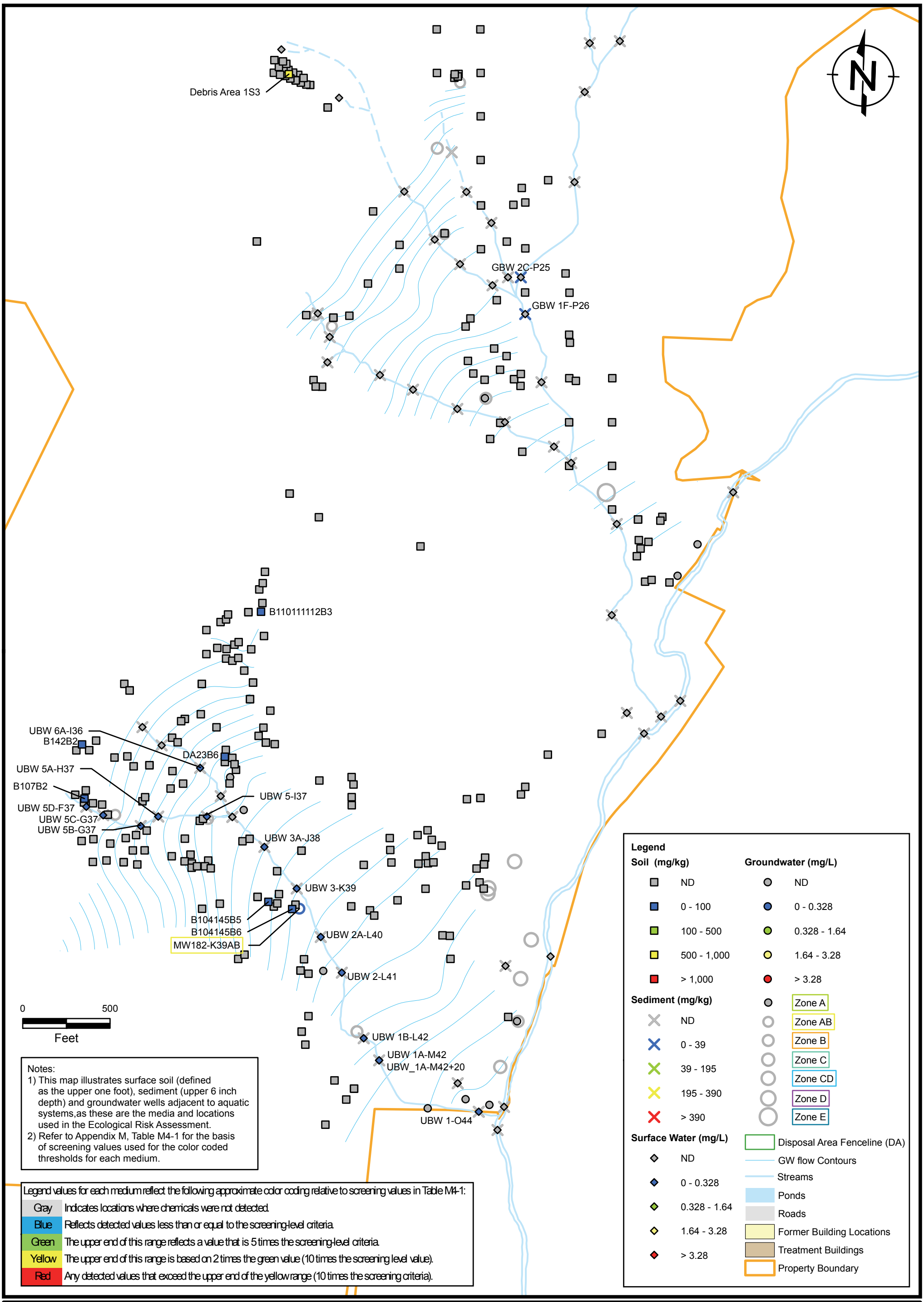
CS (ORTHO-CHLOROBENZYLIDENE MALONITRILE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE **M4-3**

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN | DATE: 8/26/2014

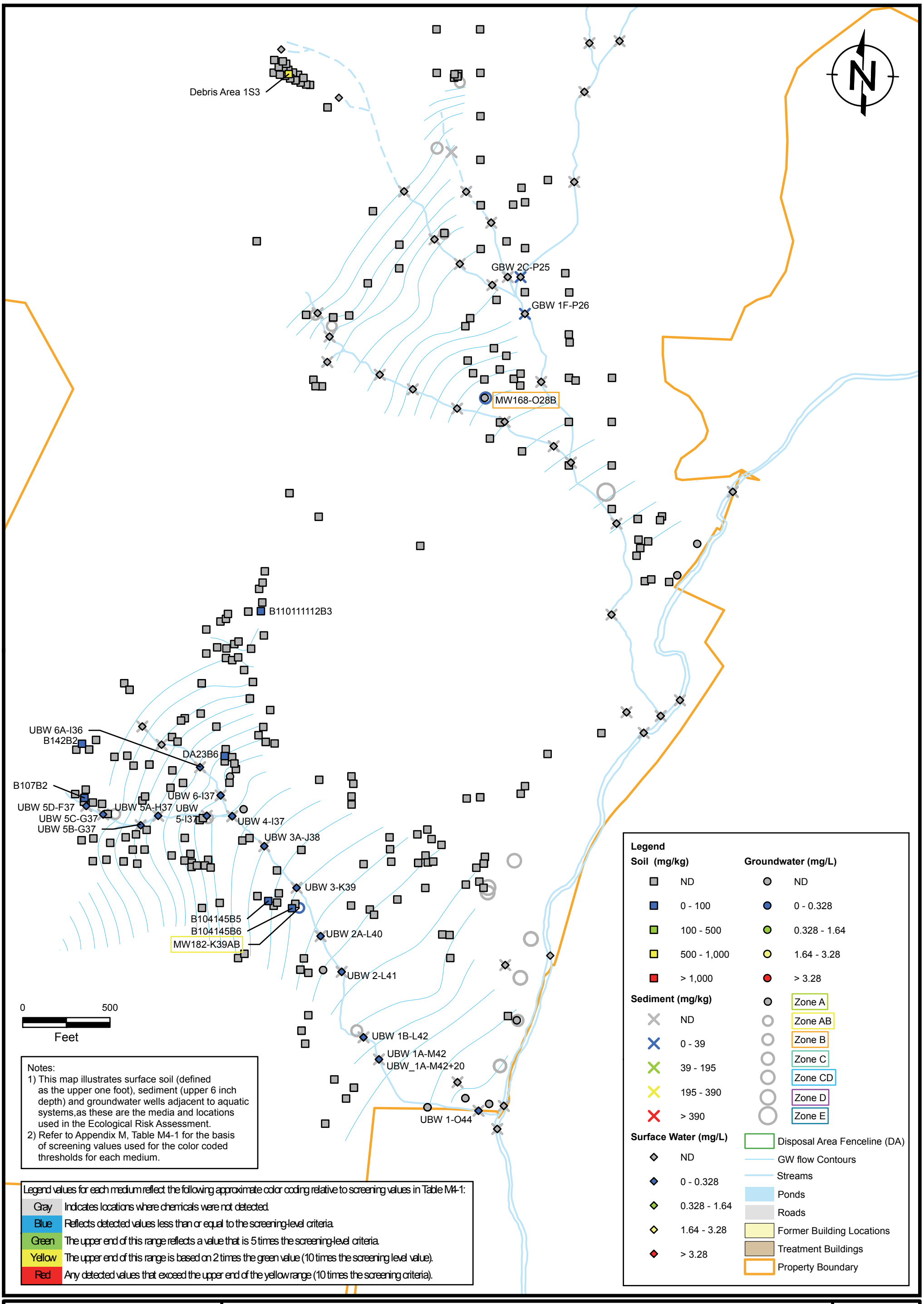
HMX (OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (CURRENT DATA)

CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE **M4-4A**

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

HMX (OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

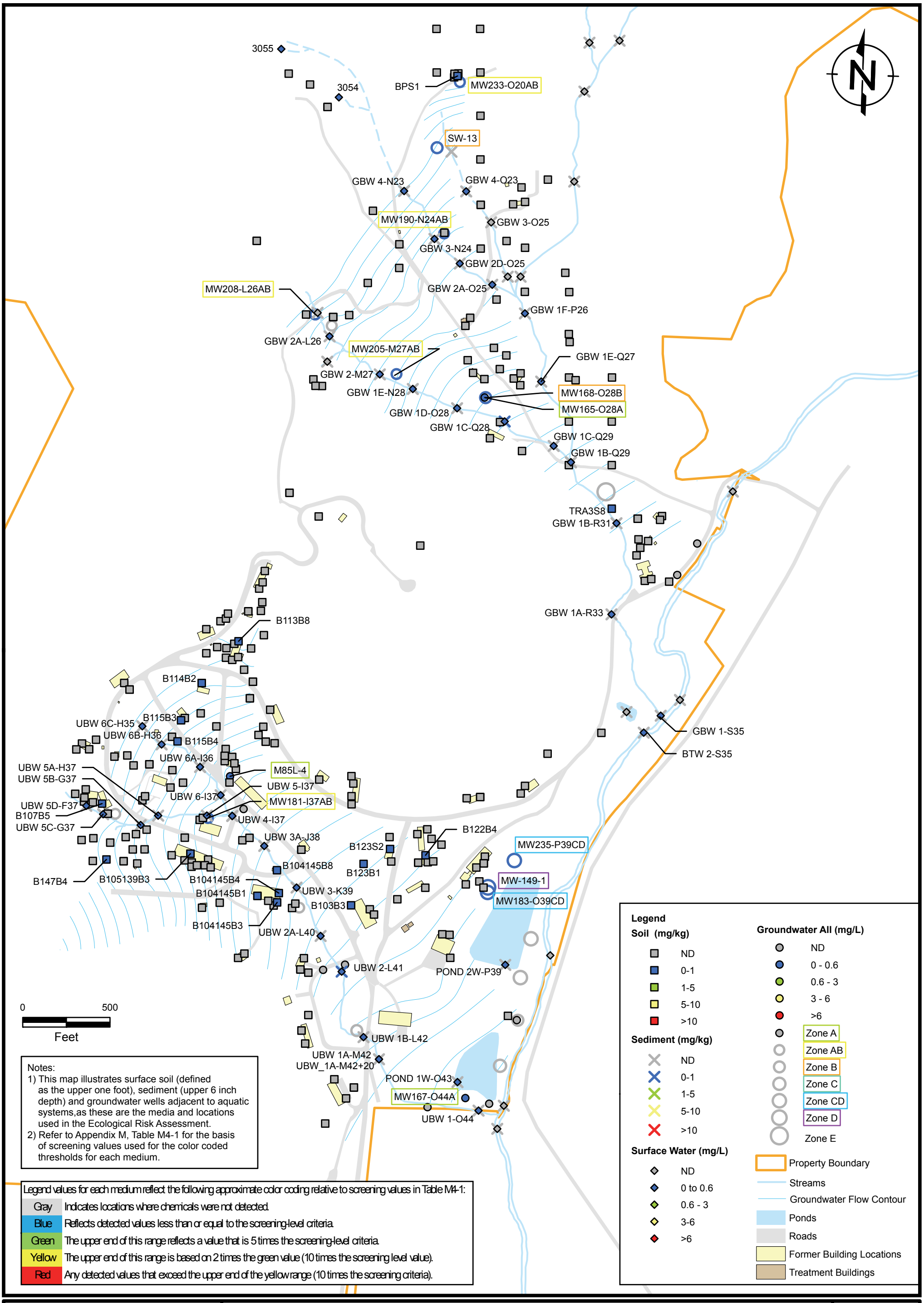
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-4B

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN | DATE: 6/8/2015

PERCHLORATE RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (CURRENT DATA)

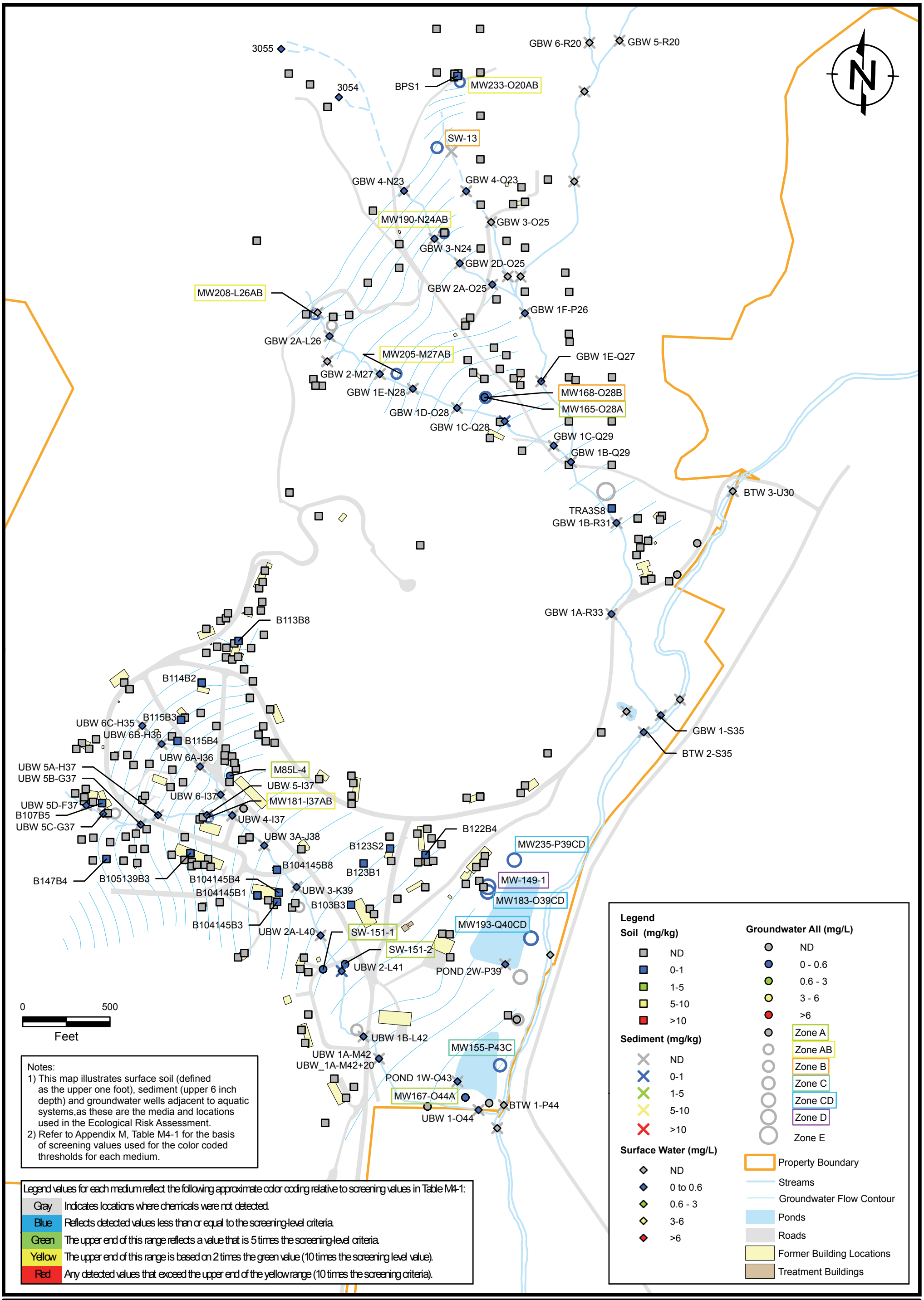
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-5A

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 6/8/2015

PERCHLORATE RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

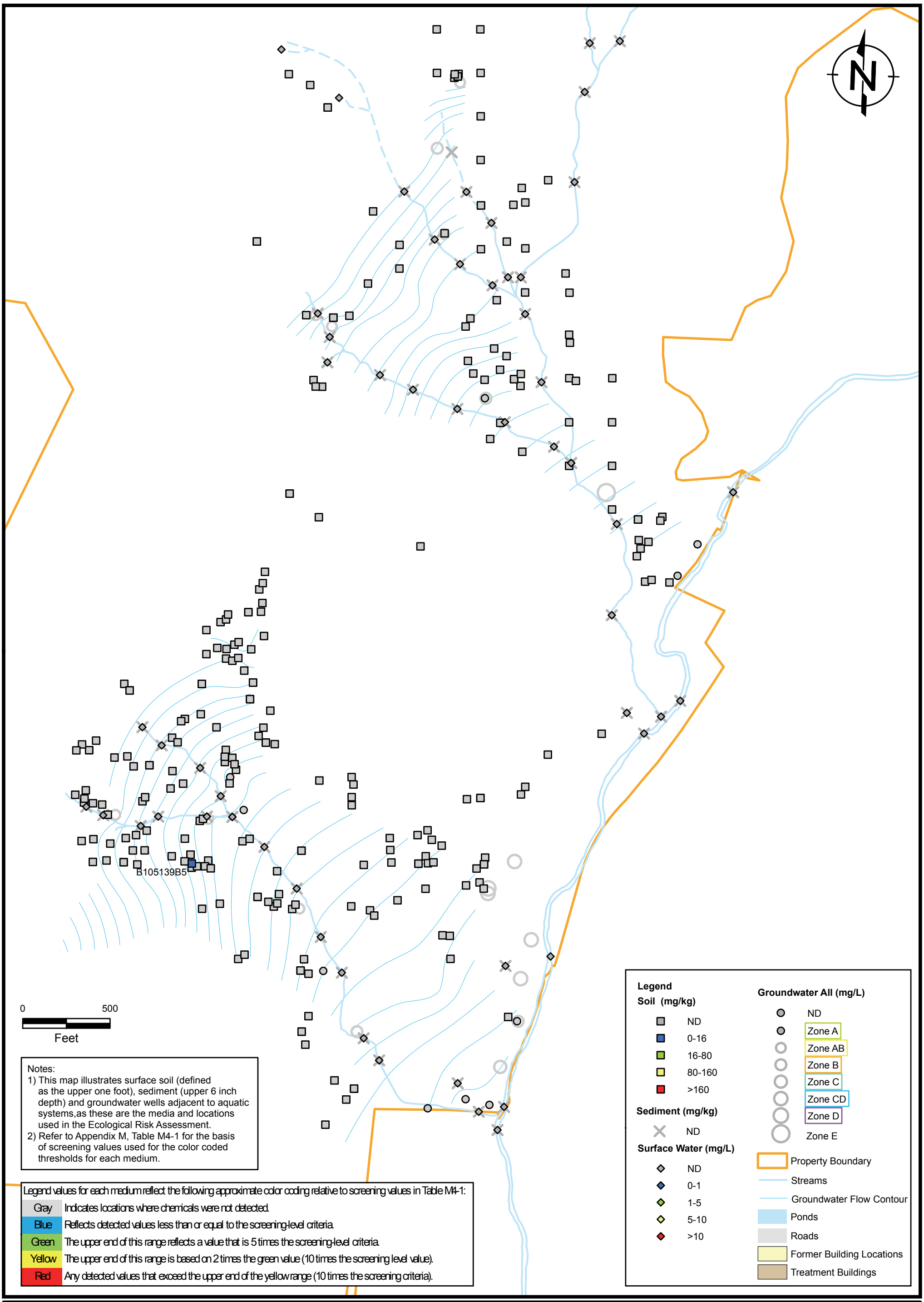
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-5B

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

PICRIC ACID RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (CURRENT DATA)

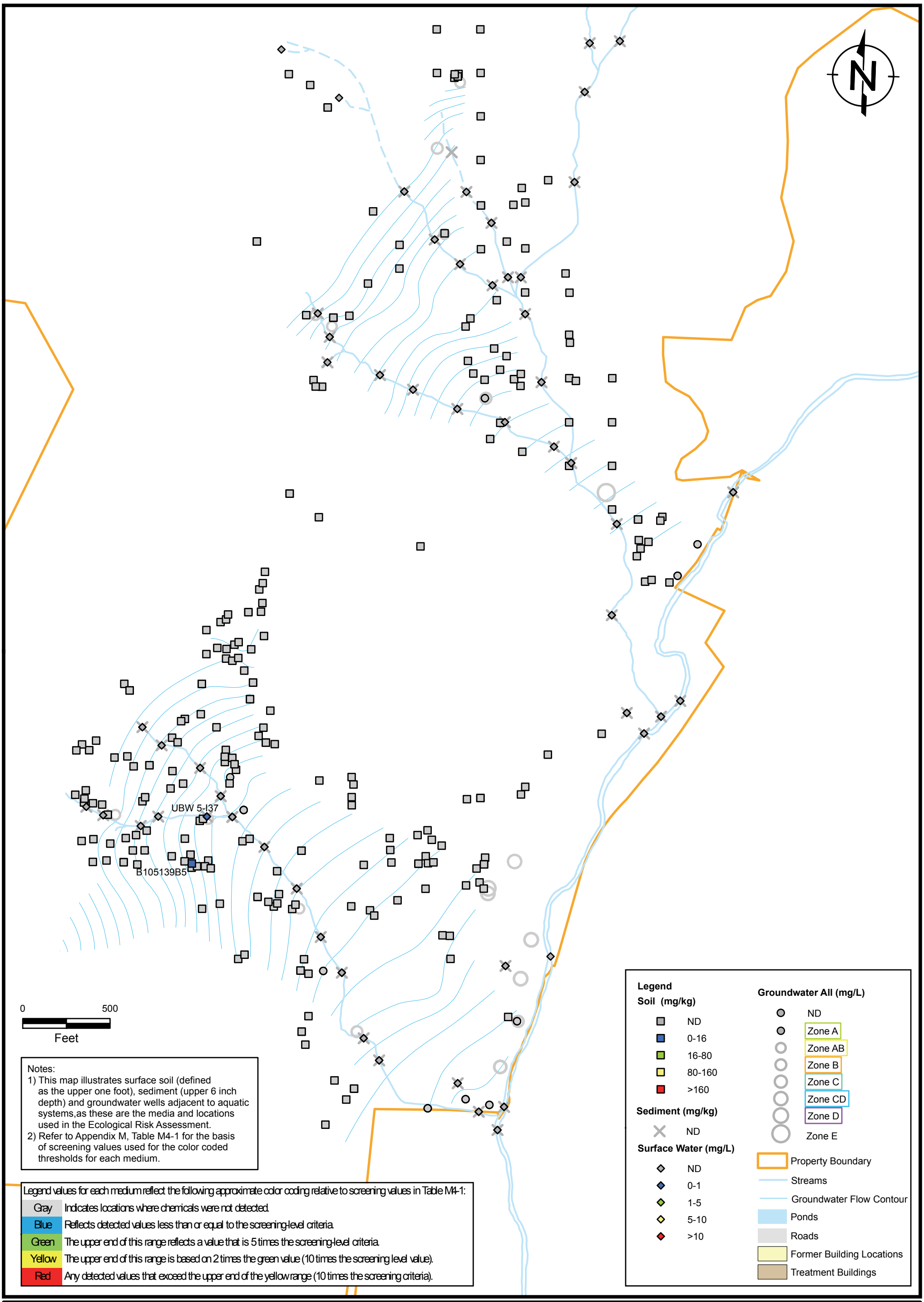
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-6A

0211472i



ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

PICRIC ACID RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

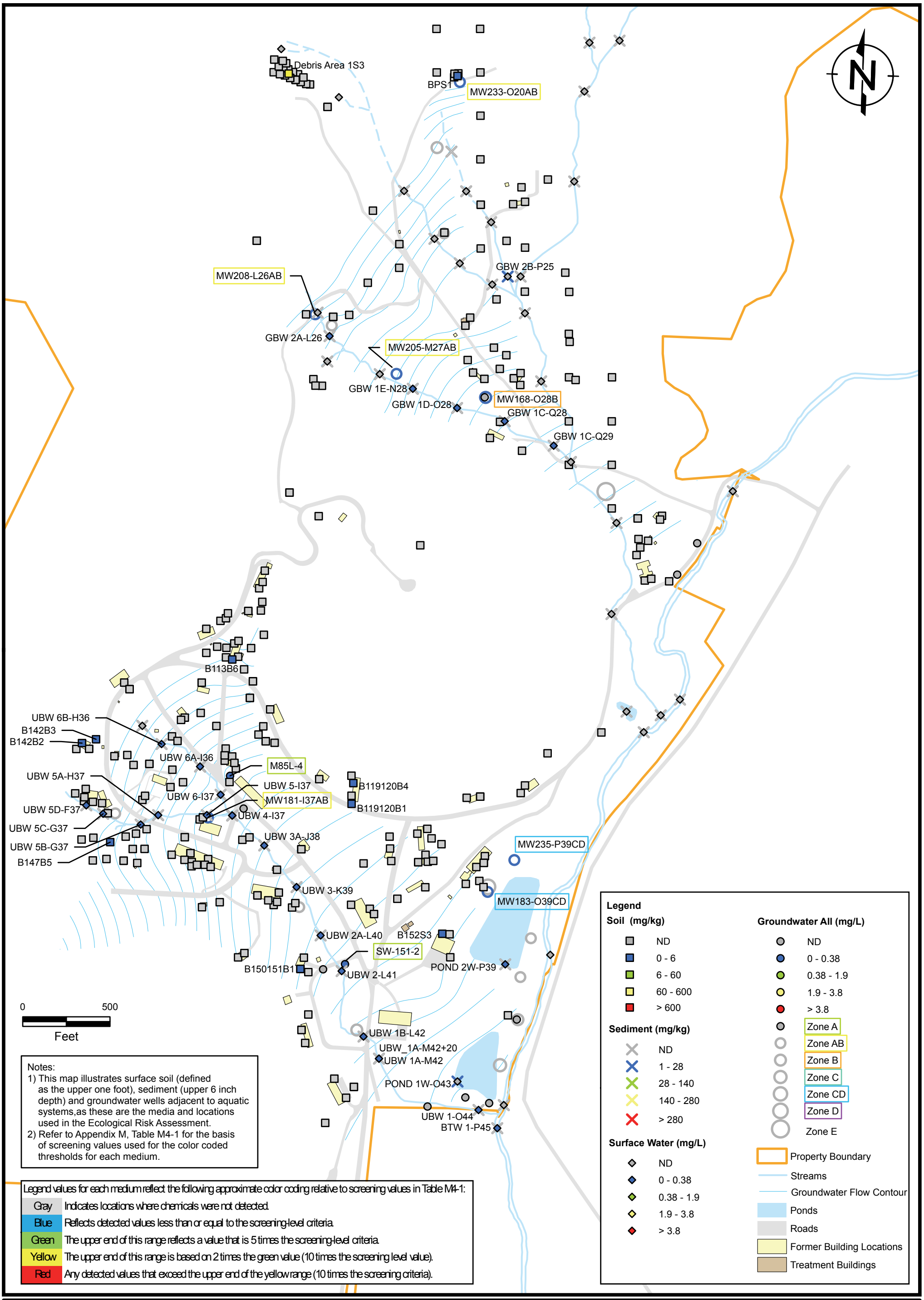
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-6B

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 6/8/2015

RDX (1,3,5-TRINITROPERHYDRO-1,3,5-TRIAZINE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (CURRENT DATA)

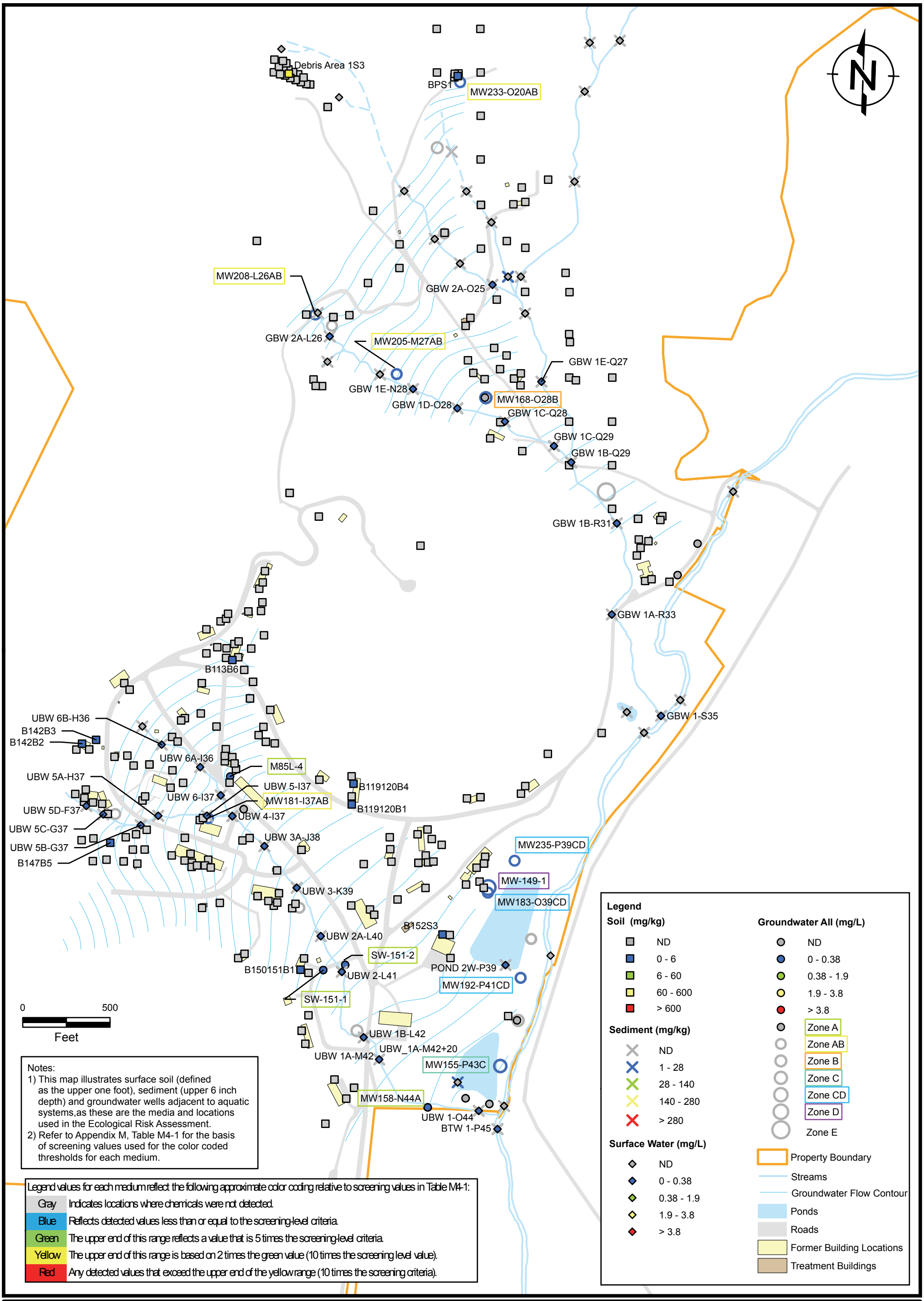
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-7A

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN | DATE: 6/8/2015

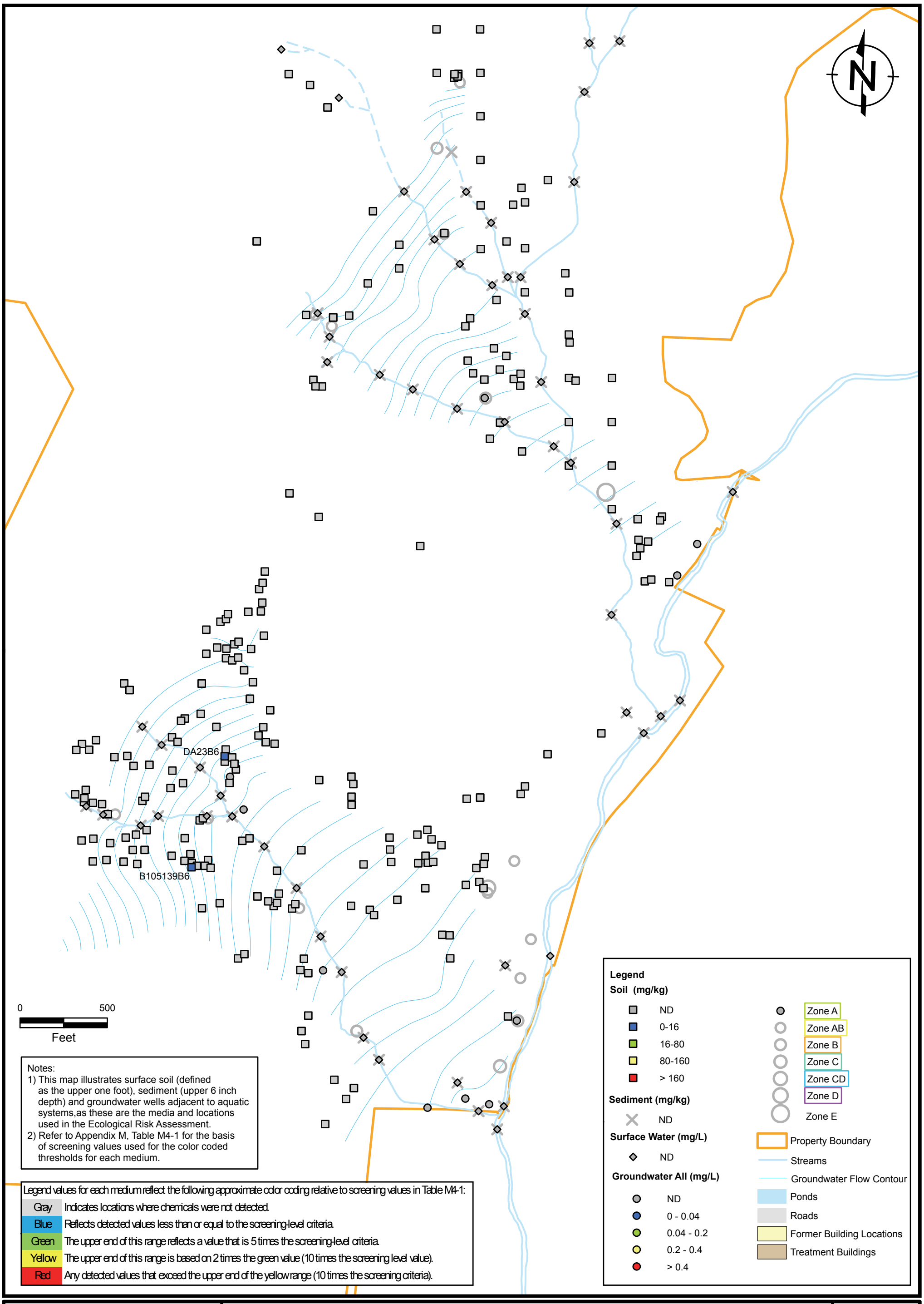
RDX (1,3,5-TRINITROPERHYDRO-1,3,5-TRIAZINE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE **M4-7B**

0211472i



ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

TETRYL RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (CURRENT DATA)

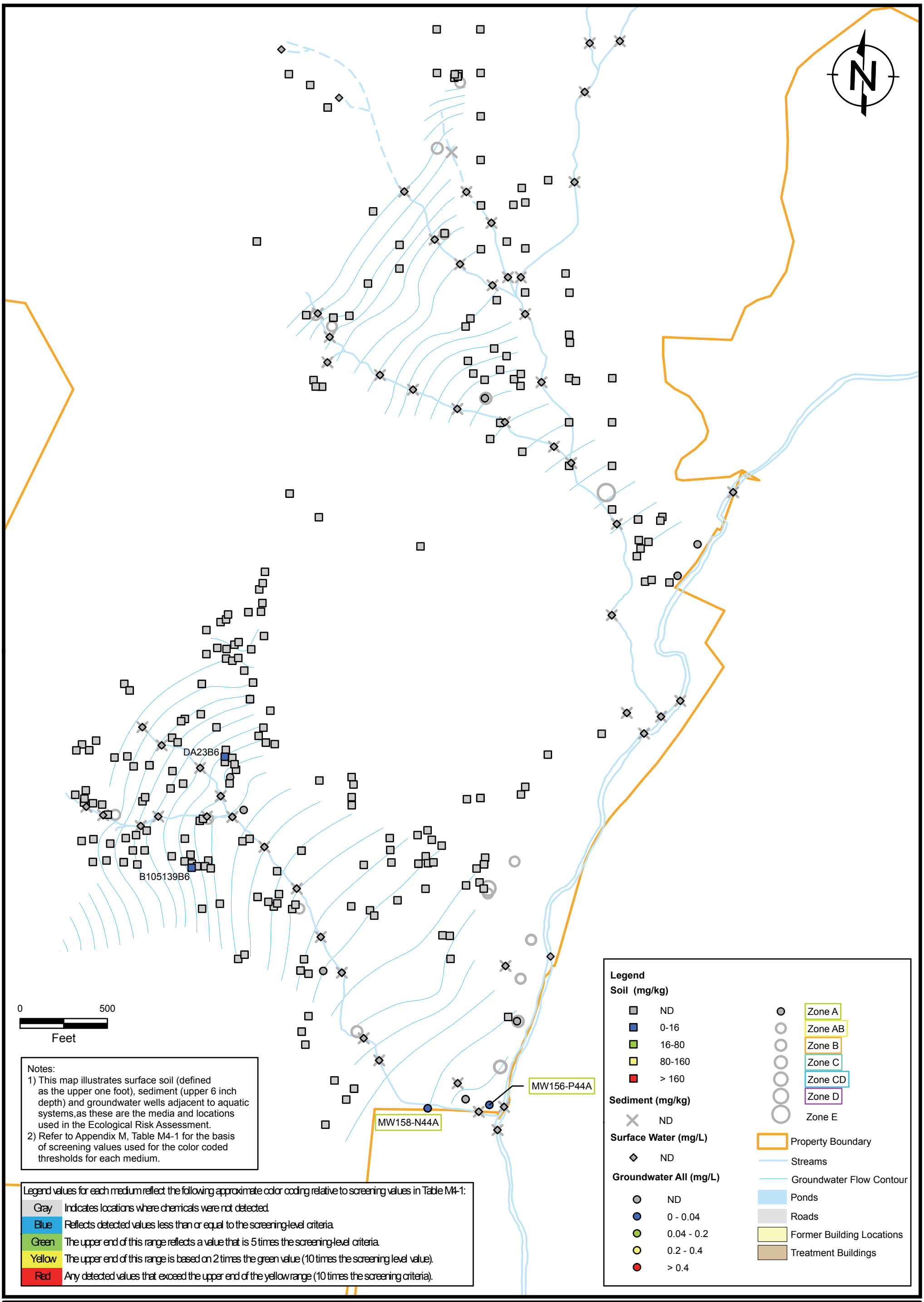
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-8A

0211472i



ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

TETRYL RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

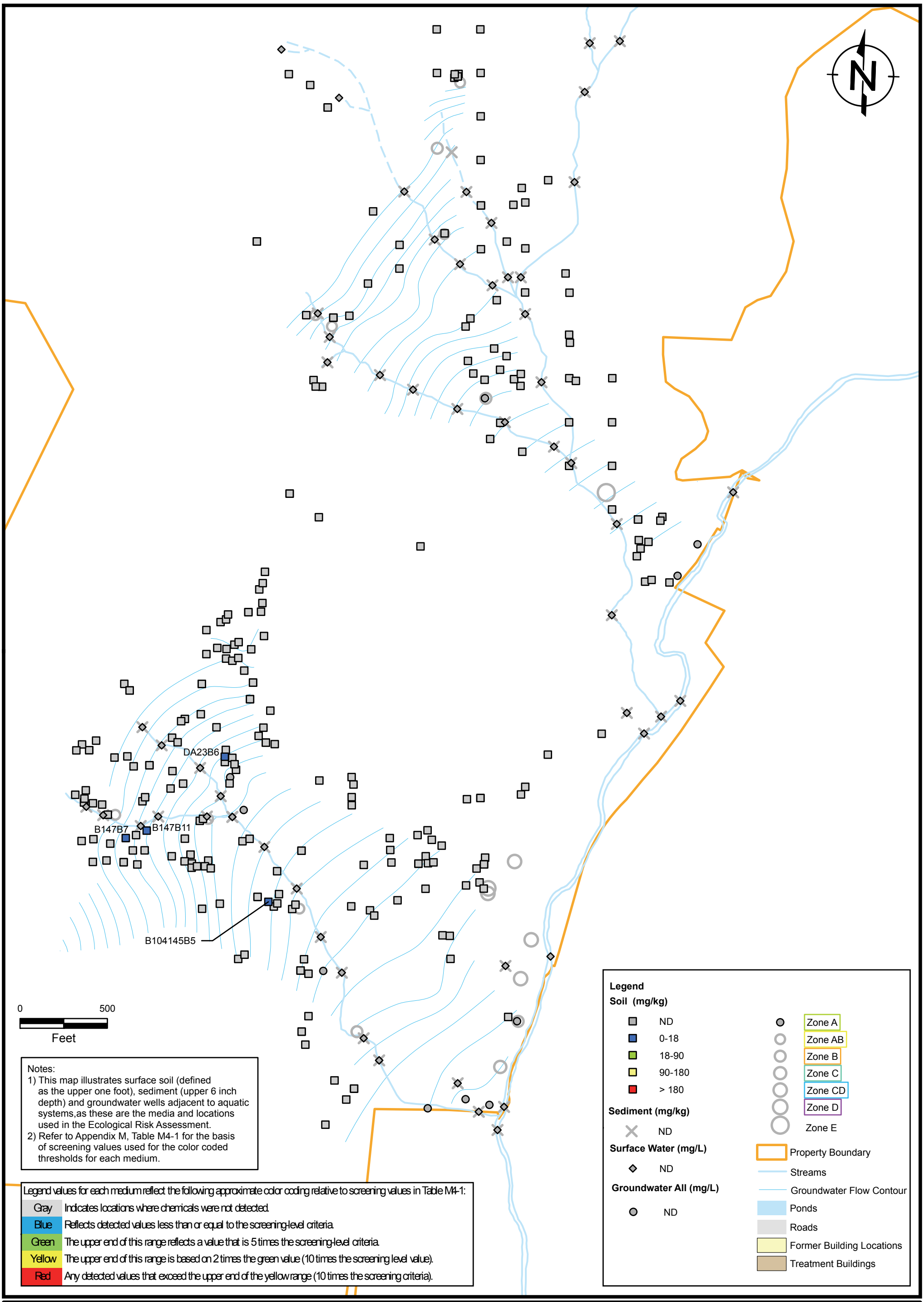
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-8B

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

TNB (1,3,5-TRINITROBENZENE)RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

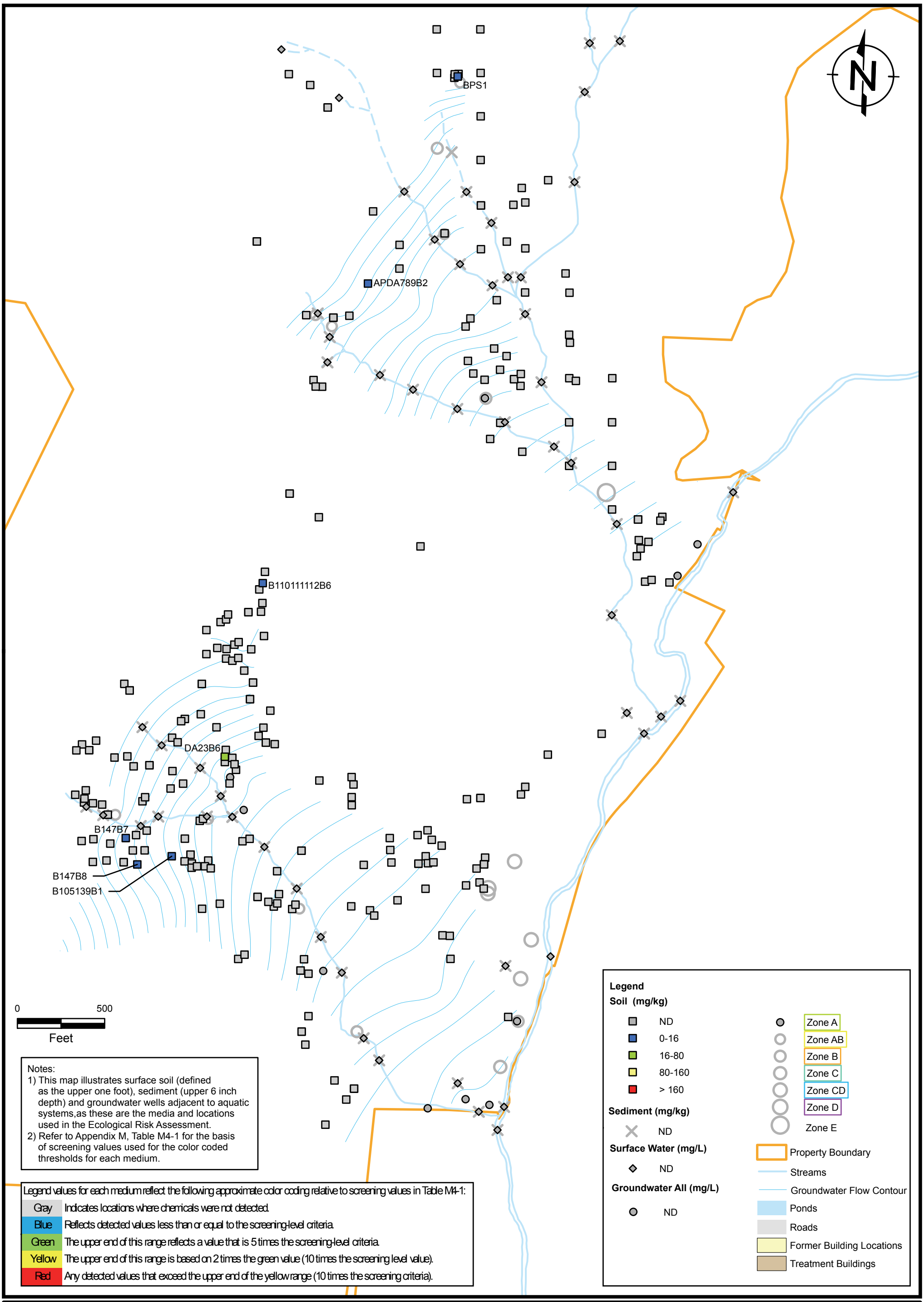
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-9

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

TNT (2,4,6-TRINITROTOLUENE) RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

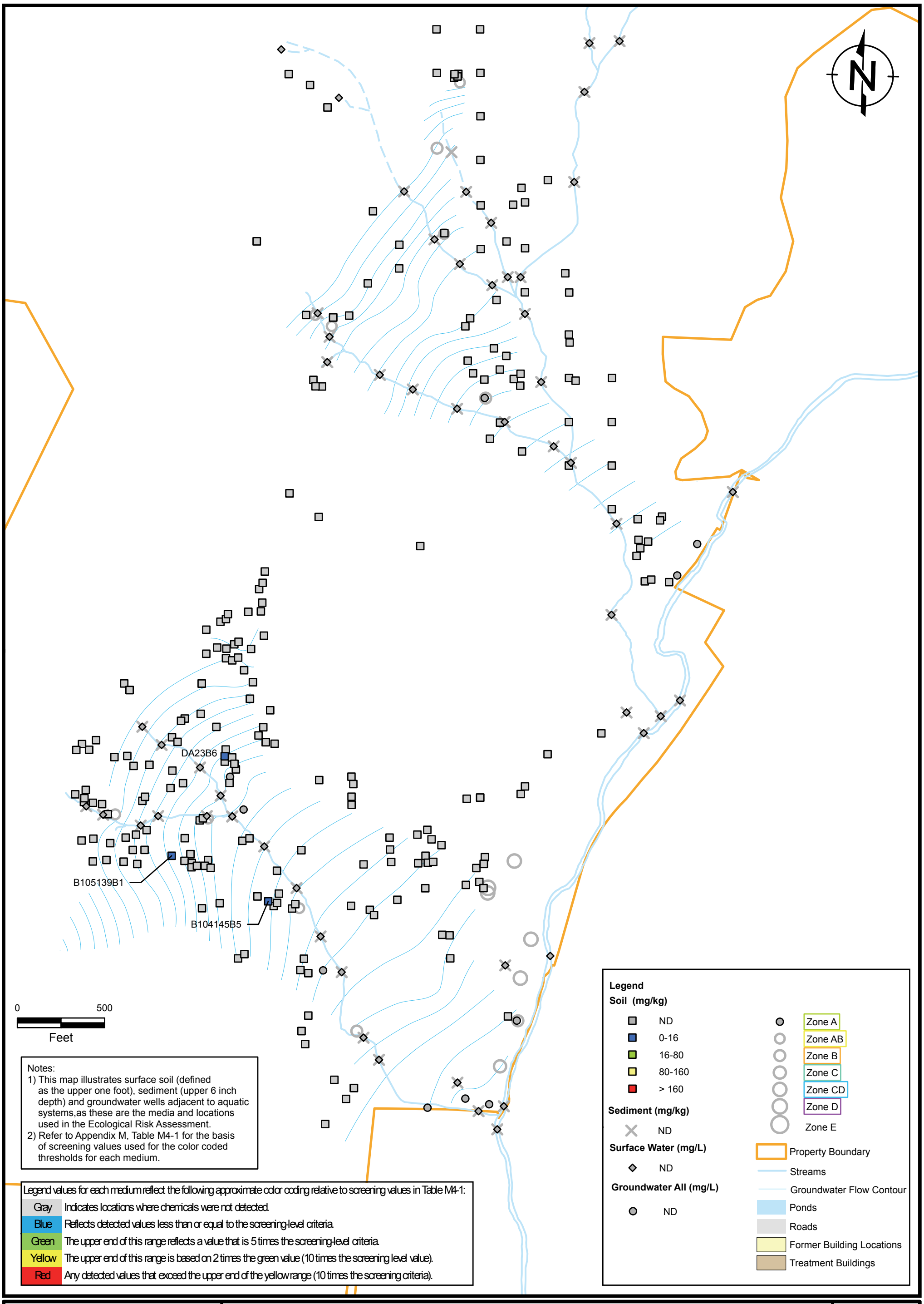
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-10

0211472i



ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

2-AMINO-4,6-DNT RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

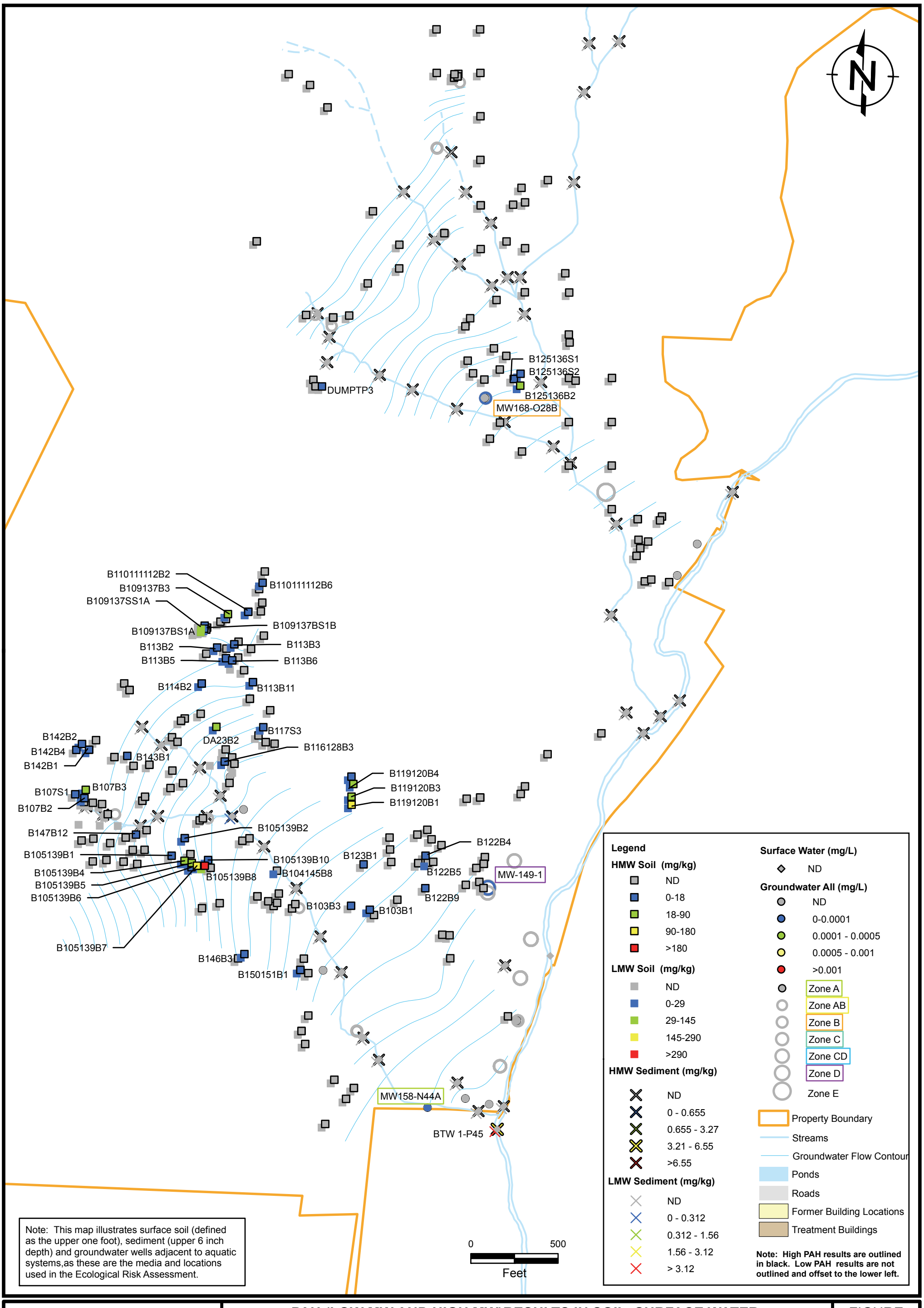
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-11

0211472i



ENVIRON

DRAFTED BY: HN | DATE: 9/3/2014

PAH (LOW MW AND HIGH MW)RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

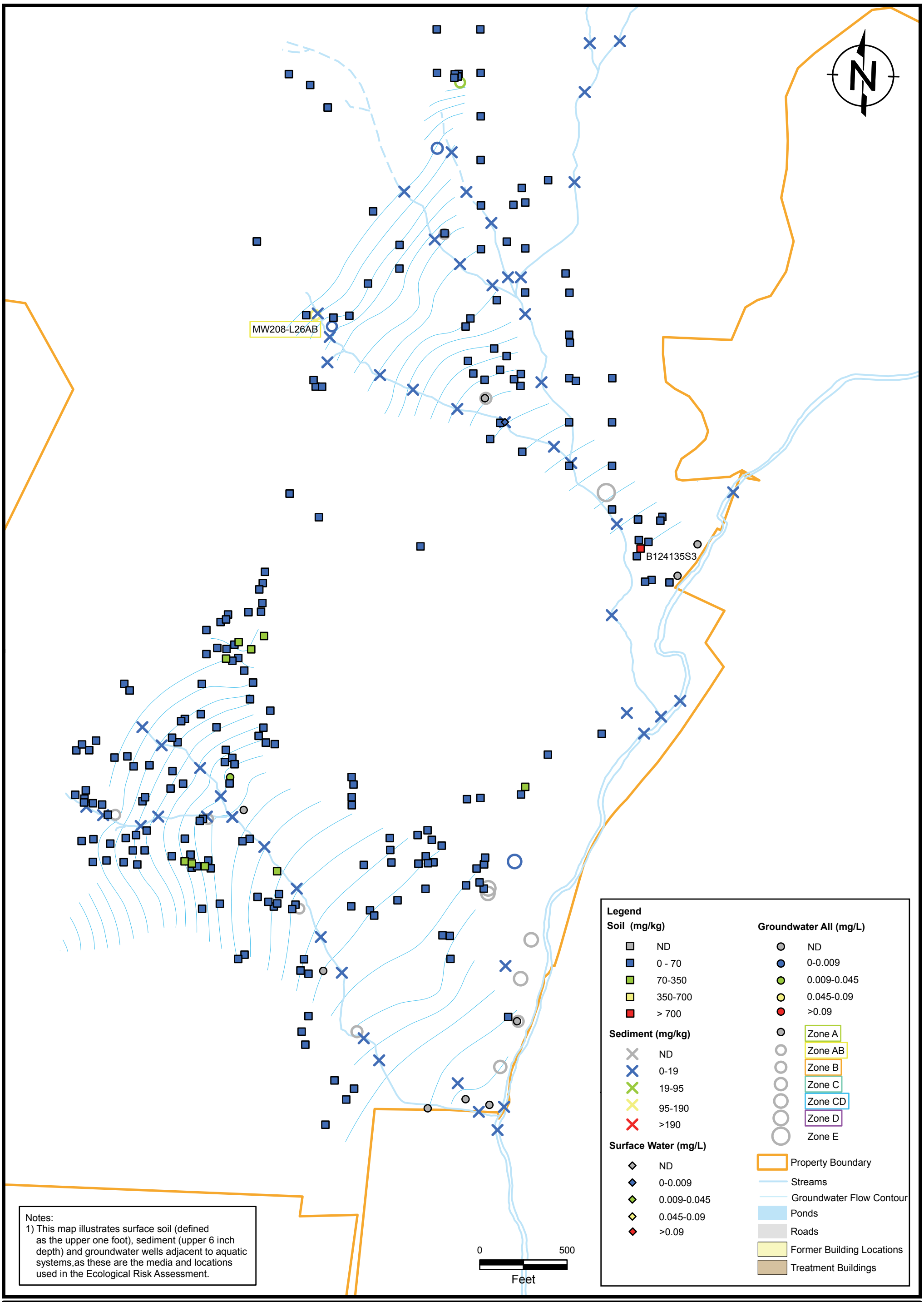
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-12

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.

ENVIRON

DRAFTED BY: HN

DATE: 9/3/2014

COPPER RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

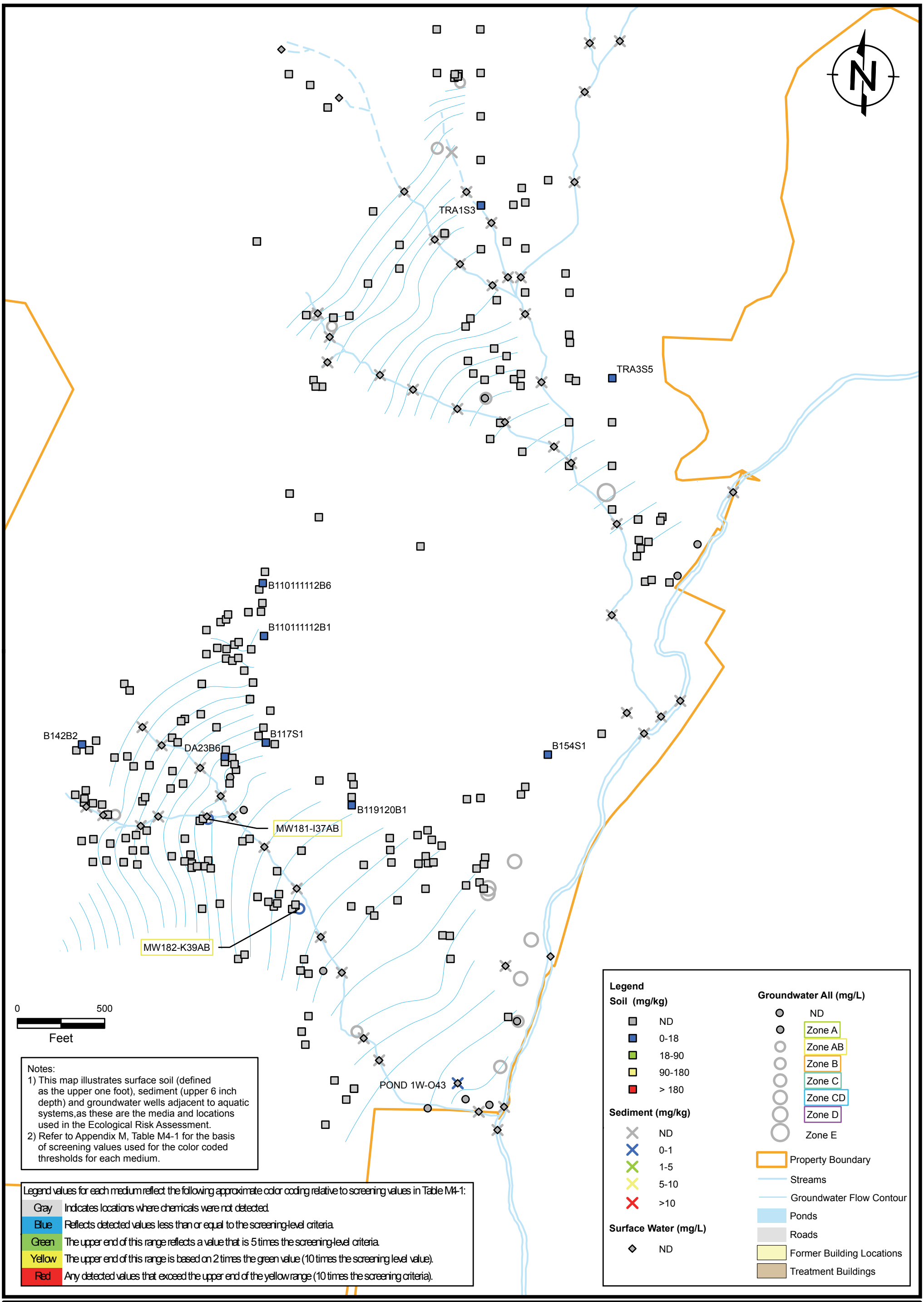
CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-13

0211472i



Notes:
1) This map illustrates surface soil (defined as the upper one foot), sediment (upper 6 inch depth) and groundwater wells adjacent to aquatic systems,as these are the media and locations used in the Ecological Risk Assessment.
2) Refer to Appendix M, Table M4-1 for the basis of screening values used for the color coded thresholds for each medium.

Legend values for each medium reflect the following approximate color coding relative to screening values in Table M4-1:

Gray	Indicates locations where chemicals were not detected.
Blue	Reflects detected values less than or equal to the screening-level criteria.
Green	The upper end of this range reflects a value that is 5 times the screening-level criteria.
Yellow	The upper end of this range is based on 2 times the green value (10 times the screening level value).
Red	Any detected values that exceed the upper end of the yellow range (10 times the screening criteria).

ENVIRON

DRAFTED BY: HN

DATE: 8/26/2014

1-NITRONAPHTHALENE RESULTS IN SOIL, SURFACE WATER, GROUNDWATER, AND SEDIMENT (ALL RESULTS)

CHEMTRONICS SITE

SWANNANOA, NORTH CAROLINA

FIGURE

M4-14

0211472i

M5 Contents: Step 3a BERA Technical Supporting Materials: Terrestrial Plant and Invertebrate Evaluation (Surface Soil)

Table M5-1: Refinement of COPECs: Surface Soil Criteria for Plants and Invertebrates

Table M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)

Table M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)

Table M5-3A: Summary of Surface Soil EqP Toxic Unit Summary for the Evaluation of Terrestrial Invertebrates at 5% Organic Carbon

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Table M5-4C: Surface Soil EqP Toxic Unit Results Using 1 Percent TOC (All Results)

Figure M5-5A. Organic chemicals in surface soils that have the greatest contribution to hazard quotients above 1 for the soil invertebrate community.

M5-1: BERA Refinement of COPECs Surface Soil Criteria for Plants and Invertebrates
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Chemical (a)	ORNL Plants	ORNL Inverts (b)	Ecological Soil Screening Levels for Terrestrial Plants (mg/kg)	Ecological Soil Screening Levels for Soil Invertebrates (mg/kg)	Plants (souce: Talmage 1999) (mg/kg)	Soil Inverts Earthworms (souce: Talmage 1999) (mg/kg)	Soil Inverts Other (souce: Talmage 1999) (mg/kg)	Other Screening Criteria (c) (mg/kg)	Source	Background (mg/kg)	Final BERA Criterion for Plants (mg/kg)	Source for Plant Criterion	Final BERA Criterion for Inverts (mg/kg)	Source for Invert Criterion
7429-90-5	INORG	Aluminum	50	600	--	--	--	--	--	--	--	69300	--	Based on pH	NA	Based on pH
7440-36-0	INORG	Antimony	5	--	--	78	--	--	--	--	--	5.09	5	ORNL Plants	78	EcoSSL Inverts
7440-38-2	INORG	Arsenic	10	60	18	--	--	--	--	--	--	9.02	18	EcoSSL Plants	60	ORNL Inverts
7440-39-3	INORG	Barium	500	3000	--	330	--	--	--	--	--	236	500	ORNL Plants	330	EcoSSL Inverts
7440-42-8	INORG	Boron	0.5	20	--	--	--	--	--	--	--	8.22	8.22	Background	20	ORNL Inverts
7440-43-9	INORG	Cadmium	4	20	32	140	--	--	--	--	--	3.08	32	EcoSSL Plants	140	EcoSSL Inverts
7440-47-3	INORG	Chromium (total)	1	0.4	--	--	--	--	--	180	DIV	60.3	180	DIV	180	DIV
7440-48-4	INORG	Cobalt	20	1000	13	--	--	--	--	--	--	27.3	13	EcoSSL Plants	1000	ORNL Inverts
7440-50-8	INORG	Copper	100	50	70	80	--	--	--	--	--	52.8	70	EcoSSL Plants	80	EcoSSL Inverts
7439-92-1	INORG	Lead	50	500	120	1700	--	--	--	--	--	12.8	120	EcoSSL Plants	1700	EcoSSL Inverts
7439-93-2	INORG	Lithium	2	10	--	--	--	--	--	--	--	12.1	12.1	Background	12.1	Background
7439-96-5	INORG	Manganese	500	100	220	450	--	--	--	--	--	1130	220	EcoSSL Plants	450	EcoSSL Inverts
7439-97-6	INORG	Mercury	0.3	0.1	--	--	--	--	--	--	--	0.092	0.3	ORNL Plants	0.1	ORNL Inverts
7439-98-7	INORG	Molybdenum	2	200	--	--	--	--	--	--	--	1.96	2	ORNL Plants	200	ORNL Inverts
7440-02-0	INORG	Nickel	30	200	38	280	--	--	--	--	--	42.3	38	EcoSSL Plants	280	EcoSSL Inverts
7782-49-2	INORG	Selenium	1	70	0.52	4.1	--	--	--	--	--	5.23	0.52	EcoSSL Plants	4.1	EcoSSL Inverts
7440-28-0	INORG	Thallium	1	--	--	--	--	--	--	--	--	4.1	4.1	Background	4.1	Background
7440-32-6	INORG	Titanium	--	1000	--	--	--	--	--	--	--	2310	3880	ORNL Inverts	1000	ORNL Inverts
7440-62-2	INORG	Vanadium	2	20	--	--	--	--	--	--	--	108	108	Background	108	Background
7440-66-6	INORG	Zinc	50	200	160	120	--	--	--	--	--	89.6	160	EcoSSL Plants	120	EcoSSL Inverts
99-35-4	Nitroaromatics	1,3,5-Trinitrobenzene	--	--	--	--	--	--	--	18	Exp EcoSSL	--	16	Exp EcoSSL TNT	16	Exp EcoSSL TNT
99-65-0	Nitroaromatics	1,3-Dinitrobenzene	--	--	--	--	--	--	--	--	--	--	16	Exp EcoSSL TNT	16	Exp EcoSSL TNT
100-25-4	Nitroaromatics	1,4-Dinitrobenzene	--	--	--	--	--	--	--	--	--	--	16	Exp EcoSSL TNT	16	Exp EcoSSL TNT
86-57-7	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	16	Exp EcoSSL TNT	16	Exp EcoSSL TNT
479-45-8	Nitroaromatics	2,4,6-Trinitrophenylmethylnitramine	--	--	--	--	--	--	--	--	--	--	16	Exp EcoSSL TNT	16	Exp EcoSSL TNT
118-96-7	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	30	140	200	16	Exp EcoSSL	--	16	Exp EcoSSL	16	Exp EcoSSL
35572-78-2	Nitroaromatics	2-Amino-4,6-dinitrotoluene	--	--	--	--	80	--	--	--	--	--	80	Talmage 1999	16	Exp EcoSSL TNT
121-82-4	Nitroaromatics	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	--	--	--	--	100	--	--	99	Exp EcoSSL	--	99	Exp EcoSSL	99	Exp EcoSSL
2691-41-0	Nitroaromatics	Octahydro-1,3,7,5-tetranitro-1,3,7,5-tetrazocine (HMX)	--	--	--	--	--	--	--	600	Exp EcoSSL	--	600	Exp EcoSSL	600	Exp EcoSSL
88-89-1	Nonhalogenated Organics	Picric acid	--	--	--	--	--	--	--	--	--	--	30	Talmage 1999 TNT	16	Exp EcoSSL TNT
309-00-2	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
319-85-7	PEST	beta-BHC	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
1031-07-8	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
72-20-8	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
7421-93-4	PEST	Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
58-89-9	PEST	gamma-BHC	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
72-43-5	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	50	EcoSSL Plants DDT	NA	Soil EqP
122-66-7	SVOC	1,2-Diphenylhydrazine	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
90-12-0	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
89-98-5	SVOC	2-Chlorobenzaldehyde	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
2698-41-1	SVOC	2-Chlorobenzalmalononitrile	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
91-57-6	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
62-53-3	SVOC	Aniline	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
120-12-7	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants	NA	Soil EqP
56-55-3	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
50-32-8	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
205-99-2	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
65-85-0	SVOC	Benzoic Acid	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
119-61-9	SVOC	Benzophenone	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
117-81-7	SVOC	bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
85-68-7	SVOC	Butylbenzylphthalate	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
86-74-8	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	70	ORNL Plants phenol	NA	Soil EqP
218-01-9	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
132-64-9	SVOC	Dibenzofuran	--	--	--	--	--	--	--	0.002	ODEQ	--	70	ORNL Plants phenol	NA	Soil EqP
206-44-0	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
130498-29-2H	SVOC	PAHs HMW	--	--	--	18	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
130498-29-2L	SVOC	PAHs LMW	--	--	--	29	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
130498-29-2	SVOC	PAHs Total	--	--	--	--	--	--	--	40	RIVM (Sum 10)	--	525	EcoSSL Plants anthracene	NA	Soil EqP
85-01-8	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
108-95-2	SVOC	Phenol	70	30	--	--	--	--	--	40	RIVM	--	70	ORNL Plants	NA	Soil EqP

M5-1: BERA Refinement of COPECs Surface Soil Criteria for Plants and Invertebrates
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Chemical (a)	ORNL Plants	ORNL Inverts (b)	Ecological Soil Screening Levels for Terrestrial Plants (mg/kg)	Ecological Soil Screening Levels for Soil Invertebrates (mg/kg)	Plants (souce: Talmage 1999) (mg/kg)	Soil Inverts Earthworms (souce: Talmage 1999) (mg/kg)	Soil Inverts Other (souce: Talmage 1999) (mg/kg)	Other Screening Criteria (c) (mg/kg)	Source	Background (mg/kg)	Final BERA Criterion for Plants (mg/kg)	Source for Plant Criterion	Final BERA Criterion for Inverts (mg/kg)	Source for Invert Criterion
129-00-0	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	525	EcoSSL Plants anthracene	NA	Soil EqP
110-82-7	VOC	Cyclohexane	--	--	--	--	--	--	--	--	--	--	200	ORNL Plants Toluene	NA	Soil EqP
100-41-4	VOC	Ethyl Benzene	--	--	--	--	--	--	--	50	RIVM	--	200	ORNL Plants Toluene	NA	Soil EqP
100-42-5	VOC	Styrene	300	--	--	--	--	--	--	100	RIVM	--	300	ORNL Plants	NA	Soil EqP
127-18-4	VOC	Tetrachloroethene	--	--	--	--	--	--	--	4	RIVM	--	200	ORNL Plants Toluene	NA	Soil EqP
108-88-3	VOC	Toluene	200	--	--	--	--	--	--	130	RIVM	--	200	ORNL Plants	NA	Soil EqP
79-01-6	VOC	Trichloroethene	--	--	--	--	--	--	--	60	RIVM	--	200	ORNL Plants Toluene	NA	Soil EqP
1330-20-7	VOC	Xylenes (total)	--	--	--	--	--	--	--	25	RIVM	--	200	ORNL Plants Toluene	NA	Soil EqP

--	Not available.
BHC	Benzene hexachloride.
COPECs	Chemicals of potential ecological concern.
mg/kg	Milligram per kilogram.
HMW	High molecular weight.
LMW	Low molecular weight.
PAHs	Polycyclic aromatic hydrocarbons.
(a)	Only detected chemicals are shown.
(b)	Minimum value among all receptor groups. USEPA. 2010. Ecological Soil Screening Levels (EcoSSLs). Source column indicates which receptor the value came from. http://www.epa.gov/ecotox/ecossl/
(c)	From the hierarchy, as detailed in the text in Section 7.2.2.
Background	Background used as screening value.
Based on pH	Toxicity only in areas with strongly acid pH.
DIV	Dutch Intervention Value. http://www.esdat.net/Environmental%20Standards/Dutch/annexS_I2000Dutch%20Environmental%20Standards.pdf
EcoSSL	Ecological soil Screening Levels, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509
ORNL Inverts	ORNL. Efroymsson. 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on soil and litter invertebrates and heterotrophic processes. http://rais.ornl.gov/documents/tm126r21.pdf
ORNL Plants	ORNL. Efroymsson, 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on terrestrial plants. http://rais.ornl.gov/documents/tm85r3.pdf
Soil EqP	Constituent addressed through use of equilibrium partitioning.
Talmage 1999	Talmage, SS, et al., 1999. Nitroaromatic munition compounds - environmental effects and screening values. Reviews in Environmental Contamination and Toxicology. 161:1-156.

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
APDA789	APDA789B1S1	INORG	Barium	7440-39-3	70.8		0.0506		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B1S1	INORG	Boron	7440-42-8	6.7		1.13		8.22	<BKG	8.22	Background	0.8	<BKG	yes
APDA789	APDA789B1S1	INORG	Cobalt	7440-48-4	11.7		0.24		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
APDA789	APDA789B1S1	INORG	Copper	7440-50-8	39.5		0.253		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
APDA789	APDA789B1S1	INORG	Manganese	7439-96-5	211	J	0.354		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B1S1	INORG	Mercury	7439-97-6	0.0196	J	0.0139		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
APDA789	APDA789B1S1	INORG	Thallium	7440-28-0	3.93		1.83		4.1	<BKG	4.1	Background	1	<BKG	yes
APDA789	APDA789B1S1	INORG	Zinc	7440-66-6	23.4		0.835		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
APDA789	APDA789B2S1	INORG	Barium	7440-39-3	161		0.258		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
APDA789	APDA789B2S1	INORG	Boron	7440-42-8	9.33		1.15		8.22	1.11	8.22	Background	1	0.1	yes
APDA789	APDA789B2S1	INORG	Cobalt	7440-48-4	12.5		0.245		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B2S1	INORG	Copper	7440-50-8	13.3		0.258		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
APDA789	APDA789B2S1	INORG	Cyanide	57-12-5	0.28	J	0.23		--	no bkg	1.33	Region 5	0.2	0.2	yes
APDA789	APDA789B2S1	INORG	Manganese	7439-96-5	477	J	0.361		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
APDA789	APDA789B2S1	INORG	Mercury	7439-97-6	0.0431	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B2S1	INORG	Zinc	7440-66-6	26.4		0.85		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
APDA789	APDA789B3S1	INORG	Barium	7440-39-3	58.1		0.0476		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B3S1	INORG	Boron	7440-42-8	9.29		1.06		8.22	1.07	8.22	Background	1	0.1	yes
APDA789	APDA789B3S1	INORG	Cobalt	7440-48-4	4.21		0.226		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
APDA789	APDA789B3S1	INORG	Copper	7440-50-8	9		0.238		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
APDA789	APDA789B3S1	INORG	Manganese	7439-96-5	133	J	0.333		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
APDA789	APDA789B3S1	INORG	Mercury	7439-97-6	0.0254	J	0.0138		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
APDA789	APDA789B3S1	INORG	Zinc	7440-66-6	14.8		0.785		89.55	<BKG	160	EcoSSL Plants	0.09	<BKG	yes
APDA789	APDA789B4S1	INORG	Barium	7440-39-3	67.7		0.0471		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B4S1	INORG	Boron	7440-42-8	8.58		1.05		8.22	0.36	8.22	Background	1	0.04	yes
APDA789	APDA789B4S1	INORG	Cobalt	7440-48-4	6.09		0.224		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
APDA789	APDA789B4S1	INORG	Copper	7440-50-8	12.9		0.235		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
APDA789	APDA789B4S1	INORG	Manganese	7439-96-5	184	J	0.33		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
APDA789	APDA789B4S1	INORG	Mercury	7439-97-6	0.0206	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
APDA789	APDA789B4S1	INORG	Zinc	7440-66-6	25.9		0.777		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
APDA789	APDA789B5S1	INORG	Barium	7440-39-3	68.8		0.051		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B5S1	INORG	Boron	7440-42-8	34.8		5.68		8.22	26.58	8.22	Background	4	3	yes
APDA789	APDA789B5S1	INORG	Cobalt	7440-48-4	33.1		1.21		27.3	5.8	13	EcoSSL Plants	3	0.4	yes
APDA789	APDA789B5S1	INORG	Copper	7440-50-8	32		1.28		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
APDA789	APDA789B5S1	INORG	Manganese	7439-96-5	576	J	0.357		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
APDA789	APDA789B5S1	INORG	Mercury	7439-97-6	0.052	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
APDA789	APDA789B5S1	INORG	Molybdenum	7439-98-7	0.976	J	0.561		1.96	<BKG	2	ORNL Plants	0.5	<BKG	yes
APDA789	APDA789B5S1	INORG	Zinc	7440-66-6	25		4.21		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
APDA789	APDA789B6S1	INORG	Barium	7440-39-3	119		0.244		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
APDA789	APDA789B6S1	INORG	Boron	7440-42-8	23.3	J	5.43		8.22	15.08	8.22	Background	3	2	yes
APDA789	APDA789B6S1	INORG	Cobalt	7440-48-4	12.6		1.16		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B6S1	INORG	Copper	7440-50-8	31.6		1.22		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
APDA789	APDA789B6S1	INORG	Manganese	7439-96-5	356	J	0.342		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
APDA789	APDA789B6S1	INORG	Mercury	7439-97-6	0.0327	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
APDA789	APDA789B6S1	INORG	Zinc	7440-66-6	48.8		4.03		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
APDA789	APDA789B7S1	INORG	Barium	7440-39-3	169		0.273		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
APDA789	APDA789B7S1	INORG	Boron	7440-42-8	54.2		6.07		8.22	45.98	8.22	Background	7	6	yes
APDA789	APDA789B7S1	INORG	Cobalt	7440-48-4	17.5		1.3		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B7S1	INORG	Copper	7440-50-8	46.7		1.36		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
APDA789	APDA789B7S1	INORG	Manganese	7439-96-5	268	J	0.382		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B7S1	INORG	Mercury	7439-97-6	0.0582	J	0.0157		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
APDA789	APDA789B7S1	INORG	Zinc	7440-66-6	66		4.5		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Barium	7440-39-3	155		0.274		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Boron	7440-42-8	54.1		6.1		8.22	45.88	8.22	Background	7	6	yes
APDA789	APDA789B7S1DUP	INORG	Cobalt	7440-48-4	17		1.3		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Copper	7440-50-8	42		1.37		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Manganese	7439-96-5	287	J	0.384		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Mercury	7439-97-6	0.0592	J	0.0157		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Zinc	7440-66-6	61.1		4.53		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
APDA789	APDA789B8S1	INORG	Barium	7440-39-3	162		0.259		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
APDA789	APDA789B8S1	INORG	Boron	7440-42-8	36.3		5.77		8.22	28.08	8.22	Background	4	3	yes
APDA789	APDA789B8S1	INORG	Cobalt	7440-48-4	13.9		1.23		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
APDA789	APDA789B8S1	INORG	Copper	7440-50-8	47.2		1.3		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
APDA789	APDA789B8S1	INORG	Manganese	7439-96-5	567	J	0.363		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
APDA789	APDA789B8S1	INORG	Mercury	7439-97-6	0.0847	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
APDA789	APDA789B8S1	INORG	Zinc	7440-66-6	62.1		4.28		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
APDA789	APDA789B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	4.3		0.13		--	no bkg	16	Exp EcoSSL	0.3	0.3	yes
B103	B103B1S1	INORG	Barium	7440-39-3	115		0.047		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B103	B103B1S1	INORG	Cobalt	7440-48-4	11.1		0.223		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B103	B103B1S1	INORG	Copper	7440-50-8	12.3		0.235		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B103	B103B1S1	INORG	Manganese	7439-96-5	351		0.329		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B103	B103B1S1	INORG	Zinc	7440-66-6	177		3.88		89.55	87.45	160	EcoSSL Plants	1	0.5	yes
B103	B103B2S1	INORG	Barium	7440-39-3	95.6		0.0471		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B103	B103B2S1	INORG	Cobalt	7440-48-4	4.86		0.224		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B103	B103B2S1	INORG	Copper	7440-50-8	13.5		0.235		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B103	B103B2S1	INORG	Manganese	7439-96-5	236		0.33		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B103	B103B2S1	INORG	Mercury	7439-97-6	0.0308	J	0.0128		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B103	B103B2S1	INORG	Zinc	7440-66-6	55.5		0.777		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B103	B103B3S1	INORG	Barium	7440-39-3	301		0.222		235.76	65.24	500	ORNL Plants	0.6	0.1	yes
B103	B103B3S1	INORG	Cobalt	7440-48-4	13.2		0.211		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B103	B103B3S1	INORG	Copper	7440-50-8	22.4		0.222		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B103	B103B3S1	INORG	Manganese	7439-96-5	383		0.311		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B103	B103B3S1	INORG	Mercury	7439-97-6	0.0174	J	0.0123		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B103	B103B3S1	INORG	Perchlorate	14797-73-0	0.015		0.0024		--	no bkg	4	NCEA	0.004	0.004	yes
B103	B103B3S1	INORG	Zinc	7440-66-6	104		0.732		89.55	14.45	160	EcoSSL Plants	0.7	0.09	yes
B104145	B104145B1S1	INORG	Barium	7440-39-3	101		0.046		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B104145	B104145B1S1	INORG	Boron	7440-42-8	1.48	J	1.02		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B104145	B104145B1S1	INORG	Cobalt	7440-48-4	10.7	J	0.219		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B104145	B104145B1S1	INORG	Copper	7440-50-8	14.7	J	0.23		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B1S1	INORG	Manganese	7439-96-5	1,410	J	0.322		1,127	283	220	EcoSSL Plants	6	1	yes
B104145	B104145B1S1	INORG	Mercury	7439-97-6	0.0275	J+	0.013		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B104145	B104145B1S1	INORG	Zinc	7440-66-6	37.2	J	0.759		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B1S1DUP	INORG	Barium	7440-39-3	107		0.0446		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	2.35	J	0.993		8.22	<BKG	8.22	Background	0.3	<BKG	yes
B104145	B104145B1S1DUP	INORG	Cobalt	7440-48-4	10.3	J	0.212		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B104145	B104145B1S1DUP	INORG	Copper	7440-50-8	19	J	0.223		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B1S1DUP	INORG	Manganese	7439-96-5	1,410	J	0.312		1,127	283	220	EcoSSL Plants	6	1	yes
B104145	B104145B1S1DUP	INORG	Mercury	7439-97-6	0.0406	J+	0.0128		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B104145	B104145B1S1DUP	INORG	Perchlorate	14797-73-0	0.0053	J	0.0024		--	no bkg	4	NCEA	0.001	0.001	yes
B104145	B104145B1S1DUP	INORG	Zinc	7440-66-6	43.1	J	0.736		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B2S1	INORG	Barium	7440-39-3	74.1		0.0521		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B104145	B104145B2S1	INORG	Cobalt	7440-48-4	3.63	J	0.247		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B2S1	INORG	Copper	7440-50-8	15.9	J	0.26		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B2S1	INORG	Manganese	7439-96-5	117	J	0.0729		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B104145	B104145B2S1	INORG	Mercury	7439-97-6	0.0835	J+	0.0145		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B104145	B104145B2S1	INORG	Zinc	7440-66-6	37.7	J	0.859		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B3S1	INORG	Barium	7440-39-3	154		0.245		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B104145	B104145B3S1	INORG	Boron	7440-42-8	3.9	J	1.09		8.22	<BKG	8.22	Background	0.5	<BKG	yes
B104145	B104145B3S1	INORG	Cobalt	7440-48-4	11.9	J	0.233		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B104145	B104145B3S1	INORG	Copper	7440-50-8	22.4	J	0.245		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B3S1	INORG	Manganese	7439-96-5	339	J	0.344		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B104145	B104145B3S1	INORG	Mercury	7439-97-6	0.0417	J+	0.0137		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B104145	B104145B3S1	INORG	Perchlorate	14797-73-0	0.0036	J	0.0026		--	no bkg	4	NCEA	0.0009	0.0009	yes
B104145	B104145B3S1	INORG	Zinc	7440-66-6	62.8	J	0.81		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B104145	B104145B4S1	INORG	Barium	7440-39-3	91.5		0.0476		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B104145	B104145B4S1	INORG	Boron	7440-42-8	5.73	J	1.06		8.22	<BKG	8.22	Background	0.7	<BKG	yes
B104145	B104145B4S1	INORG	Cobalt	7440-48-4	6.17	J	0.226		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B104145	B104145B4S1	INORG	Copper	7440-50-8	16.3	J	0.238		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B4S1	INORG	Manganese	7439-96-5	178	J	0.333		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B104145	B104145B4S1	INORG	Mercury	7439-97-6	0.0708	J+	0.0136		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B104145	B104145B4S1	INORG	Perchlorate	14797-73-0	0.013		0.0025		--	no bkg	4	NCEA	0.003	0.003	yes
B104145	B104145B4S1	INORG	Zinc	7440-66-6	45.8	J	0.785		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B5S1	INORG	Barium	7440-39-3	143		0.25		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B104145	B104145B5S1	INORG	Boron	7440-42-8	3.53	J	1.11		8.22	<BKG	8.22	Background	0.4	<BKG	yes
B104145	B104145B5S1	INORG	Cobalt	7440-48-4	10.2	J	0.237		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B104145	B104145B5S1	INORG	Copper	7440-50-8	37.1	J	0.25		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B104145	B104145B5S1	INORG	Manganese	7439-96-5	253	J	0.35		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B104145	B104145B5S1	INORG	Mercury	7439-97-6	0.216	J+	0.0135		0.09	0.126	0.3	ORNL Plants	0.7	0.4	yes
B104145	B104145B5S1	INORG	Zinc	7440-66-6	72.8	J	0.824		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B104145	B104145B6S1	INORG	Barium	7440-39-3	86.3		0.051		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B104145	B104145B6S1	INORG	Boron	7440-42-8	1.65	J	1.13		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B104145	B104145B6S1	INORG	Cobalt	7440-48-4	5.24	J	0.242		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B104145	B104145B6S1	INORG	Copper	7440-50-8	17.1	J	0.255		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B6S1	INORG	Manganese	7439-96-5	193	J	0.357		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B104145	B104145B6S1	INORG	Mercury	7439-97-6	0.0523	J+	0.0142		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B104145	B104145B6S1	INORG	Zinc	7440-66-6	89	J	0.841		89.55	<BKG	160	EcoSSL Plants	0.6	<BKG	yes
B104145	B104145B7S1	INORG	Barium	7440-39-3	103		0.0489		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B104145	B104145B7S1	INORG	Cobalt	7440-48-4	5.9	J	0.232		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B104145	B104145B7S1	INORG	Copper	7440-50-8	11.2	J	0.244		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B104145	B104145B7S1	INORG	Manganese	7439-96-5	361	J	0.342		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B104145	B104145B7S1	INORG	Mercury	7439-97-6	0.0434	J+	0.0143		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B104145	B104145B7S1	INORG	Zinc	7440-66-6	54.5	J	0.806		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B104145	B104145B8S1	INORG	Barium	7440-39-3	144		0.255		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B104145	B104145B8S1	INORG	Boron	7440-42-8	2.16	J	1.14		8.22	<BKG	8.22	Background	0.3	<BKG	yes
B104145	B104145B8S1	INORG	Cobalt	7440-48-4	9.1	J	0.243		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B104145	B104145B8S1	INORG	Copper	7440-50-8	159	J	1.28		52.77	106.23	70	EcoSSL Plants	2	2	yes
B104145	B104145B8S1	INORG	Manganese	7439-96-5	354	J	0.358		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B104145	B104145B8S1	INORG	Mercury	7439-97-6	0.0874	J+	0.0145		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B104145	B104145B8S1	INORG	Perchlorate	14797-73-0	0.0029	J	0.0027		--	no bkg	4	NCEA	0.0007	0.0007	yes
B104145	B104145B8S1	INORG	Zinc	7440-66-6	139	J	4.21		89.55	49.45	160	EcoSSL Plants	0.9	0.3	yes
B104145	B104145B5S1	Nitroaromatics	HMX	2691-41-0	0.67	J	0.31		--	no bkg	600	Exp EcoSSL	0.001	0.001	yes
B104145	B104145B6S1	Nitroaromatics	HMX	2691-41-0	0.43	J	0.33		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
B104145	B104145B8S1	SVOC	2-Methyl naphthalene	91-57-6	0.046	J	0.043		--	no bkg	70	ORNL Plants phenol	0.0007	0.0007	yes
B105139	B105139B10S1	INORG	Barium	7440-39-3	204		0.241		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B105139	B105139B10S1	INORG	Cobalt	7440-48-4	18.1		1.15		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B105139	B105139B10S1	INORG	Copper	7440-50-8	33.3		1.21		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B10S1	INORG	Manganese	7439-96-5	949		0.675		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B105139	B105139B10S1	INORG	Zinc	7440-66-6	149		3.98		89.55	59.45	160	EcoSSL Plants	0.9	0.4	yes
B105139	B105139B11S1	INORG	Barium	7440-39-3	99.3		0.0519		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B105139	B105139B11S1	INORG	Boron	7440-42-8	17.3		1.15		8.22	9.08	8.22	Background	2	1	yes
B105139	B105139B11S1	INORG	Cobalt	7440-48-4	14.1		0.246		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B105139	B105139B11S1	INORG	Copper	7440-50-8	32.1		0.259		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B11S1	INORG	Manganese	7439-96-5	306		0.363		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B105139	B105139B11S1	INORG	Mercury	7439-97-6	0.052	J	0.0144		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B105139	B105139B11S1	INORG	Zinc	7440-66-6	72.7		0.856		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B12S1	INORG	Barium	7440-39-3	100		0.049		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B105139	B105139B12S1	INORG	Cobalt	7440-48-4	7.42		0.233		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B105139	B105139B12S1	INORG	Copper	7440-50-8	28.5		0.245		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B12S1	INORG	Manganese	7439-96-5	75.2		0.0686		1,127	<BKG	220	EcoSSL Plants	0.3	<BKG	yes
B105139	B105139B12S1	INORG	Mercury	7439-97-6	0.0422	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B105139	B105139B12S1	INORG	Zinc	7440-66-6	34.7		0.809		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B13S1	INORG	Barium	7440-39-3	123		0.0531		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B105139	B105139B13S1	INORG	Cobalt	7440-48-4	6.63		0.252		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B13S1	INORG	Copper	7440-50-8	16.2		0.266		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B13S1	INORG	Manganese	7439-96-5	343		0.372		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B105139	B105139B13S1	INORG	Mercury	7439-97-6	0.0482	J	0.0152		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B105139	B105139B13S1	INORG	Zinc	7440-66-6	32.5		0.877		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Barium	7440-39-3	71.3		0.048		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B105139	B105139B14S1	INORG	Cobalt	7440-48-4	2.81		0.228		27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Copper	7440-50-8	11.4		0.24		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Manganese	7439-96-5	72.2	J-	0.0672		1,127	<BKG	220	EcoSSL Plants	0.3	<BKG	yes
B105139	B105139B14S1	INORG	Mercury	7439-97-6	0.0182	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B105139	B105139B14S1	INORG	Zinc	7440-66-6	31.9		0.792		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B1S1	INORG	Barium	7440-39-3	170		0.226		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B105139	B105139B1S1	INORG	Cobalt	7440-48-4	17.6		0.215		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B105139	B105139B1S1	INORG	Copper	7440-50-8	30.5		0.226		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B1S1	INORG	Manganese	7439-96-5	666	J-	1.27		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B105139	B105139B1S1	INORG	Mercury	7439-97-6	0.0147	J	0.0127		0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
B105139	B105139B1S1	INORG	Zinc	7440-66-6	76.8		0.746		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B2S1	INORG	Barium	7440-39-3	108		0.0475		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B105139	B105139B2S1	INORG	Cobalt	7440-48-4	10.6		0.226		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B105139	B105139B2S1	INORG	Copper	7440-50-8	26.7		0.238		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B2S1	INORG	Manganese	7439-96-5	399	J-	0.666		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B105139	B105139B2S1	INORG	Mercury	7439-97-6	0.0161	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
B105139	B105139B2S1	INORG	Zinc	7440-66-6	70		0.784		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B105139	B105139B3S1	INORG	Barium	7440-39-3	63.3		0.0463		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B105139	B105139B3S1	INORG	Boron	7440-42-8	8.96		1.03		8.22	0.74	8.22	Background	1	0.09	yes
B105139	B105139B3S1	INORG	Cobalt	7440-48-4	4.99		0.22		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B3S1	INORG	Copper	7440-50-8	7.84		0.231		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B105139	B105139B3S1	INORG	Manganese	7439-96-5	112		0.0648		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B3S1	INORG	Mercury	7439-97-6	0.0345	J	0.0134		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B105139	B105139B3S1	INORG	Perchlorate	14797-73-0	0.0029	J	0.0025		--	no bkg	4	NCEA	0.0007	0.0007	yes
B105139	B105139B3S1	INORG	Zinc	7440-66-6	32.6		0.764		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B3S1DUP	INORG	Barium	7440-39-3	72		0.0459		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B105139	B105139B3S1DUP	INORG	Boron	7440-42-8	11.2		1.02		8.22	2.98	8.22	Background	1	0.4	yes
B105139	B105139B3S1DUP	INORG	Cobalt	7440-48-4	5.18		0.218		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B3S1DUP	INORG	Copper	7440-50-8	10.2		0.229		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B105139	B105139B3S1DUP	INORG	Manganese	7439-96-5	105		0.0643		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B3S1DUP	INORG	Mercury	7439-97-6	0.0423	J	0.0131		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B105139	B105139B3S1DUP	INORG	Perchlorate	14797-73-0	0.0026	J	0.0025		--	no bkg	4	NCEA	0.0007	0.0007	yes
B105139	B105139B3S1DUP	INORG	Zinc	7440-66-6	36.8		0.757		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B4S1	INORG	Barium	7440-39-3	137		0.212		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B105139	B105139B4S1	INORG	Cobalt	7440-48-4	5.79		0.201		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B105139	B105139B4S1	INORG	Copper	7440-50-8	71.3		0.212		52.77	18.53	70	EcoSSL Plants	1	0.3	yes
B105139	B105139B4S1	INORG	Manganese	7439-96-5	316	J-	0.296		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B105139	B105139B4S1	INORG	Mercury	7439-97-6	0.179		0.0122		0.09	0.089	0.3	ORNL Plants	0.6	0.3	yes
B105139	B105139B4S1	INORG	Zinc	7440-66-6	137		3.49		89.55	47.45	160	EcoSSL Plants	0.9	0.3	yes
B105139	B105139B5S1	INORG	Barium	7440-39-3	89.7		0.0448		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B105139	B105139B5S1	INORG	Cobalt	7440-48-4	10.3		0.213		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B105139	B105139B5S1	INORG	Copper	7440-50-8	111		0.224		52.77	58.23	70	EcoSSL Plants	2	0.8	yes
B105139	B105139B5S1	INORG	Manganese	7439-96-5	621	J-	1.25		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B105139	B105139B5S1	INORG	Mercury	7439-97-6	0.0193	J	0.0125		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B105139	B105139B5S1	INORG	Zinc	7440-66-6	72.4		0.739		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B6S1	INORG	Barium	7440-39-3	182		0.248		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B105139	B105139B6S1	INORG	Cobalt	7440-48-4	12.2		0.236		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B105139	B105139B6S1	INORG	Copper	7440-50-8	40.4		0.248		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B105139	B105139B6S1	INORG	Manganese	7439-96-5	553	J-	0.348		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B105139	B105139B6S1	INORG	Mercury	7439-97-6	0.0213	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B105139	B105139B6S1	INORG	Molybdenum	7439-98-7	0.716	J	0.547		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B105139	B105139B6S1	INORG	Zinc	7440-66-6	88.9		0.82		89.55	<BKG	160	EcoSSL Plants	0.6	<BKG	yes
B105139	B105139B7S1	INORG	Barium	7440-39-3	215		0.227		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B105139	B105139B7S1	INORG	Cobalt	7440-48-4	23.7		0.215		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B105139	B105139B7S1	INORG	Copper	7440-50-8	46.7		0.227		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B105139	B105139B7S1	INORG	Manganese	7439-96-5	1,190		1.27		1,127	63	220	EcoSSL Plants	5	0.3	yes
B105139	B105139B7S1	INORG	Molybdenum	7439-98-7	0.512	J	0.499		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B105139	B105139B7S1	INORG	Zinc	7440-66-6	108		0.749		89.55	18.45	160	EcoSSL Plants	0.7	0.1	yes
B105139	B105139B8S1	INORG	Barium	7440-39-3	174		0.247		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B105139	B105139B8S1	INORG	Boron	7440-42-8	7.8		1.1		8.22	<BKG	8.22	Background	0.9	<BKG	yes
B105139	B105139B8S1	INORG	Cobalt	7440-48-4	6.66		0.235		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B105139	B105139B8S1	INORG	Copper	7440-50-8	247		1.24		52.77	194.23	70	EcoSSL Plants	4	3	yes
B105139	B105139B8S1	INORG	Manganese	7439-96-5	336		0.346		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B105139	B105139B8S1	INORG	Mercury	7439-97-6	0.0243	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B105139	B105139B8S1	INORG	Molybdenum	7439-98-7	0.722	J	0.544		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B105139	B105139B8S1	INORG	Zinc	7440-66-6	223		4.08		89.55	133.45	160	EcoSSL Plants	1	0.8	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B105139	B105139B9S1	INORG	Barium	7440-39-3	68.3		0.0408		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B105139	B105139B9S1	INORG	Cobalt	7440-48-4	4.47		0.194		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B105139	B105139B9S1	INORG	Copper	7440-50-8	8.3		0.204		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B105139	B105139B9S1	INORG	Manganese	7439-96-5	148		0.286		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B105139	B105139B9S1	INORG	Mercury	7439-97-6	0.0142	J	0.0115		0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
B105139	B105139B9S1	INORG	Zinc	7440-66-6	31.8		0.674		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B105139	B105139B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.5		0.11		--	no bkg	16	Exp EcoSSL	0.03	0.03	yes
B106	B106B1S1	INORG	Barium	7440-39-3	156		0.0482		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B106	B106B1S1	INORG	Boron	7440-42-8	5.37	J	1.07		8.22	<BKG	8.22	Background	0.7	<BKG	yes
B106	B106B1S1	INORG	Cobalt	7440-48-4	7.09		0.229		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B106	B106B1S1	INORG	Copper	7440-50-8	14.6		0.241		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B106	B106B1S1	INORG	Manganese	7439-96-5	237		0.0675		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B106	B106B1S1	INORG	Mercury	7439-97-6	0.0196	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B106	B106B1S1	INORG	Thallium	7440-28-0	1.81	J	1.75		4.1	<BKG	4.1	Background	0.4	<BKG	yes
B106	B106B1S1	INORG	Zinc	7440-66-6	47		0.795		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B106	B106S2S1	INORG	Barium	7440-39-3	163		0.0481		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B106	B106S2S1	INORG	Cobalt	7440-48-4	12		0.228		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B106	B106S2S1	INORG	Copper	7440-50-8	27.3		0.24		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B106	B106S2S1	INORG	Manganese	7439-96-5	367		0.0673		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B106	B106S2S1	INORG	Mercury	7439-97-6	0.0345	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B106	B106S2S1	INORG	Thallium	7440-28-0	4.23		1.74		4.1	0.13	4.1	Background	1	0.03	yes
B106	B106S2S1	INORG	Zinc	7440-66-6	122		0.793		89.55	32.45	160	EcoSSL Plants	0.8	0.2	yes
B107	B107B1S1	INORG	Barium	7440-39-3	154		0.246		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B107	B107B1S1	INORG	Boron	7440-42-8	4.64	J	1.1		8.22	<BKG	8.22	Background	0.6	<BKG	yes
B107	B107B1S1	INORG	Cobalt	7440-48-4	14		0.234		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B107	B107B1S1	INORG	Copper	7440-50-8	34.6		0.246		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B107	B107B1S1	INORG	Manganese	7439-96-5	700		0.345		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B107	B107B1S1	INORG	Molybdenum	7439-98-7	0.825	J	0.542		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B107	B107B1S1	INORG	Zinc	7440-66-6	57.8		0.829		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B107	B107B2S1	INORG	Barium	7440-39-3	156		0.252		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B107	B107B2S1	INORG	Boron	7440-42-8	7.56		1.12		8.22	<BKG	8.22	Background	0.9	<BKG	yes
B107	B107B2S1	INORG	Cobalt	7440-48-4	12.1		0.239		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B107	B107B2S1	INORG	Copper	7440-50-8	31.1		0.252		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B107	B107B2S1	INORG	Manganese	7439-96-5	493		0.353		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B107	B107B2S1	INORG	Zinc	7440-66-6	85.2		0.823		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B107	B107B3S1	INORG	Barium	7440-39-3	271		0.271		235.76	35.24	500	ORNL Plants	0.5	0.07	yes
B107	B107B3S1	INORG	Boron	7440-42-8	8.18		1.21		8.22	<BKG	8.22	Background	1	<BKG	yes
B107	B107B3S1	INORG	Cobalt	7440-48-4	14.6		0.257		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B107	B107B3S1	INORG	Copper	7440-50-8	65.9		0.271		52.77	13.13	70	EcoSSL Plants	0.9	0.2	yes
B107	B107B3S1	INORG	Manganese	7439-96-5	1,890		0.379		1,127	763	220	EcoSSL Plants	9	3	yes
B107	B107B3S1	INORG	Zinc	7440-66-6	35.7		0.911		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B107	B107B4S1	INORG	Barium	7440-39-3	202		0.218		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B107	B107B4S1	INORG	Boron	7440-42-8	3.82	J	0.969		8.22	<BKG	8.22	Background	0.5	<BKG	yes
B107	B107B4S1	INORG	Cobalt	7440-48-4	10.7		0.207		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B107	B107B4S1	INORG	Copper	7440-50-8	15.9		0.218		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B107	B107B4S1	INORG	Manganese	7439-96-5	398		0.305		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B107	B107B4S1	INORG	Zinc	7440-66-6	45.1		0.719		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B107	B107B5S1	INORG	Barium	7440-39-3	75.5		0.0458		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B107	B107B5S1	INORG	Boron	7440-42-8	14.1		1.02		8.22	5.88	8.22	Background	2	0.7	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B107	B107B5S1	INORG	Cobalt	7440-48-4	16.1		0.218		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B107	B107B5S1	INORG	Copper	7440-50-8	25.2		0.229		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B107	B107B5S1	INORG	Manganese	7439-96-5	377		0.321		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B107	B107B5S1	INORG	Perchlorate	14797-73-0	0.0046	J	0.0025		--	no bkg	4	NCEA	0.001	0.001	yes
B107	B107B5S1	INORG	Zinc	7440-66-6	46.4		0.749		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B107	B107B6S1	INORG	Barium	7440-39-3	97.9		0.0631		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B107	B107B6S1	INORG	Boron	7440-42-8	1.49	J	1.4		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B107	B107B6S1	INORG	Cobalt	7440-48-4	8.06		0.3		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B107	B107B6S1	INORG	Copper	7440-50-8	21.2		0.315		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B107	B107B6S1	INORG	Manganese	7439-96-5	111		0.0883		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B107	B107B6S1	INORG	Zinc	7440-66-6	93.3		1.03		89.55	3.75	160	EcoSSL Plants	0.6	0.02	yes
B107	B107S1S1	INORG	Barium	7440-39-3	92		0.0507		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B107	B107S1S1	INORG	Boron	7440-42-8	2.5	J	1.13		8.22	<BKG	8.22	Background	0.3	<BKG	yes
B107	B107S1S1	INORG	Cobalt	7440-48-4	11.8		0.241		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B107	B107S1S1	INORG	Copper	7440-50-8	25.2		0.254		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B107	B107S1S1	INORG	Manganese	7439-96-5	180		0.355		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B107	B107S1S1	INORG	Zinc	7440-66-6	36.6		0.854		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B107	B107B2S1	Nitroaromatics	HMX	2691-41-0	0.4	J	0.32		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
B107	B107B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.11	J	0.047		--	no bkg	70	ORNL Plants phenol	0.002	0.002	yes
B108	B108B2S1	INORG	Barium	7440-39-3	125		0.226		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B108	B108B2S1	INORG	Boron	7440-42-8	14.1		1		8.22	5.88	8.22	Background	2	0.7	yes
B108	B108B2S1	INORG	Cobalt	7440-48-4	8.59		0.214		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B108	B108B2S1	INORG	Copper	7440-50-8	16.5		0.226		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B108	B108B2S1	INORG	Manganese	7439-96-5	478		0.316		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B108	B108B2S1	INORG	Mercury	7439-97-6	0.0326	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B108	B108B2S1	INORG	Thallium	7440-28-0	3.52		1.64		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B108	B108B2S1	INORG	Zinc	7440-66-6	46.1		0.745		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B108	B108S1S1	INORG	Barium	7440-39-3	97.3		0.0472		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B108	B108S1S1	INORG	Boron	7440-42-8	16.5		1.05		8.22	8.28	8.22	Background	2	1	yes
B108	B108S1S1	INORG	Cobalt	7440-48-4	11.1		0.224		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B108	B108S1S1	INORG	Copper	7440-50-8	30.6		0.236		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B108	B108S1S1	INORG	Manganese	7439-96-5	461		0.661		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B108	B108S1S1	INORG	Mercury	7439-97-6	0.0411	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B108	B108S1S1	INORG	Thallium	7440-28-0	3.46	J	1.71		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B108	B108S1S1	INORG	Zinc	7440-66-6	56.6		0.779		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B108	B108S1S1DUP	INORG	Barium	7440-39-3	97.4		0.0471		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B108	B108S1S1DUP	INORG	Boron	7440-42-8	21.7		1.05		8.22	13.48	8.22	Background	3	2	yes
B108	B108S1S1DUP	INORG	Cobalt	7440-48-4	15.9		0.224		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B108	B108S1S1DUP	INORG	Copper	7440-50-8	32.9		0.236		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B108	B108S1S1DUP	INORG	Manganese	7439-96-5	419		0.33		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B108	B108S1S1DUP	INORG	Mercury	7439-97-6	0.0405	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	4.51		1.71		4.1	0.41	4.1	Background	1	0.1	yes
B108	B108S1S1DUP	INORG	Zinc	7440-66-6	59.8		0.777		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B109137	B109137B1S1	INORG	Barium	7440-39-3	51.3		0.048		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B109137	B109137B1S1	INORG	Cobalt	7440-48-4	6.86		1.14		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B109137	B109137B1S1	INORG	Copper	7440-50-8	31.9		1.2		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B109137	B109137B1S1	INORG	Manganese	7439-96-5	306		0.336		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B109137	B109137B1S1	INORG	Mercury	7439-97-6	0.0555	J	0.0131		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B109137	B109137B1S1	INORG	Zinc	7440-66-6	43.9		3.96		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B109137	B109137B2S1	INORG	Barium	7440-39-3	67.6		0.0516		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B109137	B109137B2S1	INORG	Cobalt	7440-48-4	7.64		1.22		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B109137	B109137B2S1	INORG	Copper	7440-50-8	45.7		1.29		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B109137	B109137B2S1	INORG	Manganese	7439-96-5	294		0.361		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B109137	B109137B2S1	INORG	Mercury	7439-97-6	0.0565	J	0.0149		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B109137	B109137B2S1	INORG	Molybdenum	7439-98-7	0.583	J	0.567		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B109137	B109137B2S1	INORG	Zinc	7440-66-6	30.8		4.25		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B109137	B109137B3S1	INORG	Barium	7440-39-3	74.3		0.0471		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B109137	B109137B3S1	INORG	Boron	7440-42-8	12.6		1.05		8.22	4.38	8.22	Background	2	0.5	yes
B109137	B109137B3S1	INORG	Cobalt	7440-48-4	24.4		0.224		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B109137	B109137B3S1	INORG	Copper	7440-50-8	23.2		0.235		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B109137	B109137B3S1	INORG	Manganese	7439-96-5	532	J	0.0659		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B109137	B109137B3S1	INORG	Mercury	7439-97-6	0.0639	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B109137	B109137B3S1	INORG	Thallium	7440-28-0	2.85	J	1.71		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B109137	B109137B3S1	INORG	Zinc	7440-66-6	23.9		0.777		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B109137	B109137B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.055	J	0.04		--	no bkg	70	ORNL Plants phenol	0.0008	0.0008	yes
B109137	B109BS1A	SVOC	2-Methyl naphthalene	91-57-6	50		0.81		--	no bkg	70	ORNL Plants phenol	0.7	0.7	yes
B109137	B109SS1A	SVOC	2-Methyl naphthalene	91-57-6	69		2		--	no bkg	70	ORNL Plants phenol	1	1	yes
B110111112	B110111112B1S1	INORG	Barium	7440-39-3	207		0.0625		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B110111112	B110111112B1S1	INORG	Boron	7440-42-8	15.2		1.39		8.22	6.98	8.22	Background	2	0.8	yes
B110111112	B110111112B1S1	INORG	Cobalt	7440-48-4	21	J	0.297		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B110111112	B110111112B1S1	INORG	Copper	7440-50-8	139	J	0.312		52.77	86.23	70	EcoSSL Plants	2	1	yes
B110111112	B110111112B1S1	INORG	Manganese	7439-96-5	1,140		0.875		1,127	13	220	EcoSSL Plants	5	0.06	yes
B110111112	B110111112B1S1	INORG	Mercury	7439-97-6	0.0474	J	0.0178		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B1S1	INORG	Thallium	7440-28-0	5.85		2.26		4.1	1.75	4.1	Background	1	0.4	yes
B110111112	B110111112B1S1	INORG	Zinc	7440-66-6	99.7		1.03		89.55	10.15	160	EcoSSL Plants	0.6	0.06	yes
B110111112	B110111112B2S1	INORG	Barium	7440-39-3	132		0.0486		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B110111112	B110111112B2S1	INORG	Boron	7440-42-8	14.1		1.08		8.22	5.88	8.22	Background	2	0.7	yes
B110111112	B110111112B2S1	INORG	Cobalt	7440-48-4	14.5		0.231		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B110111112	B110111112B2S1	INORG	Copper	7440-50-8	25.2		0.243		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B110111112	B110111112B2S1	INORG	Manganese	7439-96-5	466		0.068		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B110111112	B110111112B2S1	INORG	Mercury	7439-97-6	0.0283	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B110111112	B110111112B2S1	INORG	Thallium	7440-28-0	3.72		1.76		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B110111112	B110111112B2S1	INORG	Zinc	7440-66-6	51.5		0.802		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Barium	7440-39-3	120		0.0468		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Boron	7440-42-8	13.2		1.04		8.22	4.98	8.22	Background	2	0.6	yes
B110111112	B110111112B2S1DUP	INORG	Cobalt	7440-48-4	12.1		0.222		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Copper	7440-50-8	25.1		0.234		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Manganese	7439-96-5	408		0.0655		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Mercury	7439-97-6	0.0263	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Thallium	7440-28-0	3.95		1.7		4.1	<BKG	4.1	Background	1	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Zinc	7440-66-6	50.2		0.772		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B110111112	B110111112B3S1	INORG	Barium	7440-39-3	104		0.0487		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B3S1	INORG	Cobalt	7440-48-4	18.6		1.16		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B110111112	B110111112B3S1	INORG	Copper	7440-50-8	35.1		1.22		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B110111112	B110111112B3S1	INORG	Manganese	7439-96-5	175		0.0681		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B110111112	B110111112B3S1	INORG	Mercury	7439-97-6	0.0292	J	0.0138		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B110111112	B110111112B3S1	INORG	Zinc	7440-66-6	83.5		4.01		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B110111112	B110111112B4S1	INORG	Barium	7440-39-3	155		0.049		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B110111112	B110111112B4S1	INORG	Boron	7440-42-8	14.5		1.09		8.22	6.28	8.22	Background	2	0.8	yes
B110111112	B110111112B4S1	INORG	Cobalt	7440-48-4	12.4		0.233		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B110111112	B110111112B4S1	INORG	Copper	7440-50-8	27.7		0.245		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B110111112	B110111112B4S1	INORG	Manganese	7439-96-5	596		0.0686		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B110111112	B110111112B4S1	INORG	Mercury	7439-97-6	0.0195	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B110111112	B110111112B4S1	INORG	Molybdenum	7439-98-7	0.724	J	0.539		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B110111112	B110111112B4S1	INORG	Thallium	7440-28-0	3.52	J	1.78		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B110111112	B110111112B4S1	INORG	Zinc	7440-66-6	43.7		0.809		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B110111112	B110111112B5S1	INORG	Barium	7440-39-3	161		0.0472		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B110111112	B110111112B5S1	INORG	Cobalt	7440-48-4	24.4		1.12		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B110111112	B110111112B5S1	INORG	Copper	7440-50-8	42.3		1.18		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B110111112	B110111112B5S1	INORG	Manganese	7439-96-5	989		0.661		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B110111112	B110111112B5S1	INORG	Mercury	7439-97-6	0.0356	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B110111112	B110111112B5S1	INORG	Zinc	7440-66-6	62.1		3.89		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B110111112	B110111112B6S1	INORG	Barium	7440-39-3	105		0.0492		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B6S1	INORG	Cobalt	7440-48-4	12.7		1.17		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B110111112	B110111112B6S1	INORG	Copper	7440-50-8	23.2		1.23		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B110111112	B110111112B6S1	INORG	Manganese	7439-96-5	427		0.344		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B110111112	B110111112B6S1	INORG	Mercury	7439-97-6	0.0541	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B6S1	INORG	Zinc	7440-66-6	47.5		4.06		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B110111112	B110111112B7S1	INORG	Barium	7440-39-3	115		0.0476		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B110111112	B110111112B7S1	INORG	Boron	7440-42-8	13.8		1.06		8.22	5.58	8.22	Background	2	0.7	yes
B110111112	B110111112B7S1	INORG	Cobalt	7440-48-4	11.6		0.226		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B110111112	B110111112B7S1	INORG	Copper	7440-50-8	26.4		0.238		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B110111112	B110111112B7S1	INORG	Manganese	7439-96-5	316		0.0666		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B110111112	B110111112B7S1	INORG	Mercury	7439-97-6	0.0361	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B110111112	B110111112B7S1	INORG	Thallium	7440-28-0	3.96		1.73		4.1	<BKG	4.1	Background	1	<BKG	yes
B110111112	B110111112B7S1	INORG	Zinc	7440-66-6	31.4		0.785		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B110111112	B110111112B3S1	Nitroaromatics	HMX	2691-41-0	0.63	J	0.31		--	no bkg	600	Exp EcoSSL	0.001	0.001	yes
B110111112	B110111112B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.97	J	0.12		--	no bkg	16	Exp EcoSSL	0.06	0.06	yes
B110111112	B110111112B6S1	SVOC	2-Methyl naphthalene	91-57-6	0.12	J	0.041		--	no bkg	70	ORNL Plants phenol	0.002	0.002	yes
B113	B113B10S1	INORG	Barium	7440-39-3	94.9		0.0478		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B10S1	INORG	Boron	7440-42-8	11.4		1.06		8.22	3.18	8.22	Background	1	0.4	yes
B113	B113B10S1	INORG	Cobalt	7440-48-4	8.81		0.227		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B113	B113B10S1	INORG	Copper	7440-50-8	48.6		0.239		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B113	B113B10S1	INORG	Manganese	7439-96-5	232		0.067		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B113	B113B10S1	INORG	Mercury	7439-97-6	0.0353	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B113	B113B10S1	INORG	Thallium	7440-28-0	2.33	J	1.73		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B113	B113B10S1	INORG	Zinc	7440-66-6	128		0.789		89.55	38.45	160	EcoSSL Plants	0.8	0.2	yes
B113	B113B11S1	INORG	Antimony	7440-36-0	2.12	J	1.2		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B113	B113B11S1	INORG	Barium	7440-39-3	121		0.0479		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B11S1	INORG	Boron	7440-42-8	23.4		1.07		8.22	15.18	8.22	Background	3	2	yes
B113	B113B11S1	INORG	Cobalt	7440-48-4	32.3		0.228		27.3	5	13	EcoSSL Plants	2	0.4	yes
B113	B113B11S1	INORG	Copper	7440-50-8	43		0.24		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B113	B113B11S1	INORG	Manganese	7439-96-5	478		0.0671		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B113	B113B11S1	INORG	Mercury	7439-97-6	0.0164	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
B113	B113B11S1	INORG	Molybdenum	7439-98-7	0.916	J	0.527		1.96	<BKG	2	ORNL Plants	0.5	<BKG	yes
B113	B113B11S1	INORG	Zinc	7440-66-6	104		0.79		89.55	14.45	160	EcoSSL Plants	0.7	0.09	yes
B113	B113B11S1DUP	INORG	Antimony	7440-36-0	1.67	J	1.21		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B113	B113B11S1DUP	INORG	Barium	7440-39-3	127		0.0483		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B113	B113B11S1DUP	INORG	Boron	7440-42-8	22.7		1.07		8.22	14.48	8.22	Background	3	2	yes
B113	B113B11S1DUP	INORG	Cobalt	7440-48-4	31.1		0.229		27.3	3.8	13	EcoSSL Plants	2	0.3	yes
B113	B113B11S1DUP	INORG	Copper	7440-50-8	40.4		0.241		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B113	B113B11S1DUP	INORG	Manganese	7439-96-5	509		0.0676		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B113	B113B11S1DUP	INORG	Mercury	7439-97-6	0.0317	J	0.013		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B113	B113B11S1DUP	INORG	Molybdenum	7439-98-7	0.715	J	0.531		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B113	B113B11S1DUP	INORG	Zinc	7440-66-6	109		0.796		89.55	19.45	160	EcoSSL Plants	0.7	0.1	yes
B113	B113B1S1	INORG	Barium	7440-39-3	42.1	J	0.243		235.76	<BKG	500	ORNL Plants	0.08	<BKG	yes
B113	B113B1S1	INORG	Boron	7440-42-8	17.5	J	5.41		8.22	9.28	8.22	Background	2	1	yes
B113	B113B1S1	INORG	Cobalt	7440-48-4	5.15		1.15		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B113	B113B1S1	INORG	Copper	7440-50-8	28.5	J	1.22		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B113	B113B1S1	INORG	Manganese	7439-96-5	149	J	0.34		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B113	B113B1S1	INORG	Mercury	7439-97-6	0.0716	J	0.0138		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B113	B113B1S1	INORG	Zinc	7440-66-6	31		4.01		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B113	B113B2S1	INORG	Barium	7440-39-3	91.7	J	0.0491		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B2S1	INORG	Boron	7440-42-8	3.91	J	1.09		8.22	<BKG	8.22	Background	0.5	<BKG	yes
B113	B113B2S1	INORG	Cobalt	7440-48-4	8.6		0.233		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B113	B113B2S1	INORG	Copper	7440-50-8	53.9	J	0.245		52.77	1.13	70	EcoSSL Plants	0.8	0.02	yes
B113	B113B2S1	INORG	Manganese	7439-96-5	311	J	0.0687		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B113	B113B2S1	INORG	Mercury	7439-97-6	0.0464	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B113	B113B2S1	INORG	Molybdenum	7439-98-7	0.916	J	0.54		1.96	<BKG	2	ORNL Plants	0.5	<BKG	yes
B113	B113B2S1	INORG	Thallium	7440-28-0	3.06	J	1.78		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B113	B113B2S1	INORG	Zinc	7440-66-6	936		8.1		89.55	846.45	160	EcoSSL Plants	6	5	yes
B113	B113B3S1	INORG	Barium	7440-39-3	106		0.0436		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B3S1	INORG	Boron	7440-42-8	4.06	J	0.969		8.22	<BKG	8.22	Background	0.5	<BKG	yes
B113	B113B3S1	INORG	Cobalt	7440-48-4	3.87		0.207		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B113	B113B3S1	INORG	Copper	7440-50-8	1.82		0.218		52.77	<BKG	70	EcoSSL Plants	0.03	<BKG	yes
B113	B113B3S1	INORG	Manganese	7439-96-5	94.1		0.061		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B113	B113B3S1	INORG	Zinc	7440-66-6	41.3		0.719		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B113	B113B4S1	INORG	Barium	7440-39-3	106		0.045		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B4S1	INORG	Boron	7440-42-8	12.3		1		8.22	4.08	8.22	Background	1	0.5	yes
B113	B113B4S1	INORG	Cobalt	7440-48-4	55		0.214		27.3	27.7	13	EcoSSL Plants	4	2	yes
B113	B113B4S1	INORG	Copper	7440-50-8	18.5		0.225		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B113	B113B4S1	INORG	Manganese	7439-96-5	1,400		1.26		1,127	273	220	EcoSSL Plants	6	1	yes
B113	B113B4S1	INORG	Zinc	7440-66-6	187		0.743		89.55	97.45	160	EcoSSL Plants	1	0.6	yes
B113	B113B5S1	INORG	Barium	7440-39-3	101		0.0478		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B5S1	INORG	Boron	7440-42-8	10.7		1.06		8.22	2.48	8.22	Background	1	0.3	yes
B113	B113B5S1	INORG	Cobalt	7440-48-4	8.48		0.227		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B113	B113B5S1	INORG	Copper	7440-50-8	78		0.239		52.77	25.23	70	EcoSSL Plants	1	0.4	yes
B113	B113B5S1	INORG	Manganese	7439-96-5	227		1.34		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B113	B113B5S1	INORG	Mercury	7439-97-6	0.0722	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B113	B113B5S1	INORG	Thallium	7440-28-0	2.75	J	1.73		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B113	B113B5S1	INORG	Zinc	7440-66-6	84.7		0.789		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B113	B113B6S1	INORG	Antimony	7440-36-0	1.98	J	1.27		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B113	B113B6S1	INORG	Barium	7440-39-3	78.3		0.0507		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B6S1	INORG	Boron	7440-42-8	12.5		1.13		8.22	4.28	8.22	Background	2	0.5	yes
B113	B113B6S1	INORG	Cobalt	7440-48-4	10.8		0.241		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B113	B113B6S1	INORG	Copper	7440-50-8	56.6		0.254		52.77	3.83	70	EcoSSL Plants	0.8	0.05	yes
B113	B113B6S1	INORG	Cyanide	57-12-5	0.27	J	0.22		--	no bkg	1.33	Region 5	0.2	0.2	yes
B113	B113B6S1	INORG	Manganese	7439-96-5	122		0.071		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
B113	B113B6S1	INORG	Mercury	7439-97-6	0.0649	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B113	B113B6S1	INORG	Molybdenum	7439-98-7	0.596	J	0.558		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B113	B113B6S1	INORG	Thallium	7440-28-0	3.24	J	1.84		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B113	B113B6S1	INORG	Zinc	7440-66-6	799		8.37		89.55	709.45	160	EcoSSL Plants	5	4	yes
B113	B113B7S1	INORG	Barium	7440-39-3	82.8		0.0469		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B113	B113B7S1	INORG	Cobalt	7440-48-4	13.8		0.223		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B113	B113B7S1	INORG	Copper	7440-50-8	40.6		0.237		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B113	B113B7S1	INORG	Manganese	7439-96-5	238		0.328		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B113	B113B7S1	INORG	Mercury	7439-97-6	0.0392	J	0.0134		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B113	B113B7S1	INORG	Thallium	7440-28-0	4.63		1.7		4.1	0.53	4.1	Background	1	0.1	yes
B113	B113B7S1	INORG	Zinc	7440-66-6	363		3.87		89.55	273.45	160	EcoSSL Plants	2	2	yes
B113	B113B8S1	INORG	Barium	7440-39-3	161		0.224		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B113	B113B8S1	INORG	Cobalt	7440-48-4	13.3		1.06		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B113	B113B8S1	INORG	Copper	7440-50-8	109		0.228		52.77	56.23	70	EcoSSL Plants	2	0.8	yes
B113	B113B8S1	INORG	Manganese	7439-96-5	190		0.313		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B113	B113B8S1	INORG	Perchlorate	14797-73-0	0.0027	J	0.0024		--	no bkg	4	NCEA	0.0007	0.0007	yes
B113	B113B8S1	INORG	Zinc	7440-66-6	181		3.69		89.55	91.45	160	EcoSSL Plants	1	0.6	yes
B113	B113B9S1	INORG	Antimony	7440-36-0	1.47	J	1.27		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B113	B113B9S1	INORG	Barium	7440-39-3	126		0.051		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B113	B113B9S1	INORG	Boron	7440-42-8	13		1.13		8.22	4.78	8.22	Background	2	0.6	yes
B113	B113B9S1	INORG	Cobalt	7440-48-4	11		0.242		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B113	B113B9S1	INORG	Copper	7440-50-8	85.9		0.255		52.77	33.13	70	EcoSSL Plants	1	0.5	yes
B113	B113B9S1	INORG	Manganese	7439-96-5	399		0.0714		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B113	B113B9S1	INORG	Mercury	7439-97-6	0.0681	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B113	B113B9S1	INORG	Thallium	7440-28-0	3.1	J	1.85		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B113	B113B9S1	INORG	Zinc	7440-66-6	143		0.841		89.55	53.45	160	EcoSSL Plants	0.9	0.3	yes
B113	B113B6S1	Nitroaromatics	RDX	121-82-4	0.27	J	0.13		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
B114	B114B2S1	INORG	Barium	7440-39-3	109		0.0464		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B114	B114B2S1	INORG	Cobalt	7440-48-4	16.4		0.22		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B114	B114B2S1	INORG	Copper	7440-50-8	29.9	J	0.232		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B114	B114B2S1	INORG	Mercury	7439-97-6	0.0273	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B114	B114B2S1	INORG	Perchlorate	14797-73-0	0.059		0.0025		--	no bkg	4	NCEA	0.01	0.01	yes
B114	B114B2S1	INORG	Selenium	7782-49-2	2.44		1.14		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B114	B114B2S1	INORG	Zinc	7440-66-6	76.4		0.766		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B114	B114B2S1DUP	INORG	Barium	7440-39-3	118		0.0465		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B114	B114B2S1DUP	INORG	Cobalt	7440-48-4	16.2		0.221		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B114	B114B2S1DUP	INORG	Copper	7440-50-8	35.2	J	0.232		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B114	B114B2S1DUP	INORG	Mercury	7439-97-6	0.0333	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B114	B114B2S1DUP	INORG	Perchlorate	14797-73-0	0.068		0.0025		--	no bkg	4	NCEA	0.02	0.02	yes
B114	B114B2S1DUP	INORG	Selenium	7782-49-2	2.69		1.14		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B114	B114B2S1DUP	INORG	Zinc	7440-66-6	87.9		0.767		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B114	B114B3S1	INORG	Barium	7440-39-3	80.1		0.0481		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B114	B114B3S1	INORG	Cobalt	7440-48-4	13.7		1.14		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B114	B114B3S1	INORG	Copper	7440-50-8	32	J	1.2		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B114	B114B3S1	INORG	Manganese	7439-96-5	402	J	0.337		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B114	B114B3S1	INORG	Mercury	7439-97-6	0.0519	J	0.0141		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B114	B114B3S1	INORG	Selenium	7782-49-2	5.96	J	5.9		5.23	0.73	0.52	EcoSSL Plants	10	1	NO
B114	B114B3S1	INORG	Zinc	7440-66-6	32		3.97		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B115	B115B1S1	INORG	Barium	7440-39-3	108		0.0451		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B115	B115B1S1	INORG	Boron	7440-42-8	4.73	J	1		8.22	<BKG	8.22	Background	0.6	<BKG	yes
B115	B115B1S1	INORG	Cobalt	7440-48-4	23.2		0.214		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B115	B115B1S1	INORG	Copper	7440-50-8	24.5		0.226		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B115	B115B1S1	INORG	Manganese	7439-96-5	813		0.316		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B115	B115B1S1	INORG	Zinc	7440-66-6	40.7		0.752		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B115	B115B2S1	INORG	Barium	7440-39-3	129		0.0539		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B115	B115B2S1	INORG	Cobalt	7440-48-4	6.48		0.256		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B115	B115B2S1	INORG	Copper	7440-50-8	25.5		0.269		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B115	B115B2S1	INORG	Manganese	7439-96-5	86.4		0.0754		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B115	B115B2S1	INORG	Mercury	7439-97-6	0.115	J	0.0153		0.09	0.025	0.3	ORNL Plants	0.4	0.08	yes
B115	B115B2S1	INORG	Molybdenum	7439-98-7	0.746	J	0.593		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B115	B115B2S1	INORG	Selenium	7782-49-2	3.08		1.32		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B115	B115B2S1	INORG	Thallium	7440-28-0	5.66		1.95		4.1	1.56	4.1	Background	1	0.4	yes
B115	B115B2S1	INORG	Zinc	7440-66-6	56.5		0.889		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B115	B115B3S1	INORG	Barium	7440-39-3	106		0.0478		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B115	B115B3S1	INORG	Boron	7440-42-8	3.05	J	1.06		8.22	<BKG	8.22	Background	0.4	<BKG	yes
B115	B115B3S1	INORG	Cobalt	7440-48-4	14.2		0.227		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B115	B115B3S1	INORG	Copper	7440-50-8	28.5		0.239		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B115	B115B3S1	INORG	Manganese	7439-96-5	205		0.335		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B115	B115B3S1	INORG	Perchlorate	14797-73-0	0.0034	J	0.0026		--	no bkg	4	NCEA	0.0009	0.0009	yes
B115	B115B3S1	INORG	Zinc	7440-66-6	41.2		0.774		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B115	B115B4S1	INORG	Barium	7440-39-3	68.3		0.052		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B115	B115B4S1	INORG	Cobalt	7440-48-4	5.06		0.247		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B115	B115B4S1	INORG	Copper	7440-50-8	12.4		0.26		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B115	B115B4S1	INORG	Manganese	7439-96-5	87.9		0.0728		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B115	B115B4S1	INORG	Perchlorate	14797-73-0	0.0038	J	0.0028		--	no bkg	4	NCEA	0.001	0.001	yes
B115	B115B4S1	INORG	Zinc	7440-66-6	38.7		0.85		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B116128	B116128B1S1	INORG	Barium	7440-39-3	161		0.241	5.55	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B116128	B116128B1S1	INORG	Boron	7440-42-8	1.95	J	1.07	5.55	8.22	<BKG	8.22	Background	0.2	<BKG	yes
B116128	B116128B1S1	INORG	Cobalt	7440-48-4	18.9		0.229	5.55	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B116128	B116128B1S1	INORG	Copper	7440-50-8	14.4		0.241	5.55	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B116128	B116128B1S1	INORG	Manganese	7439-96-5	1,090		0.338	5.55	1,127	<BKG	220	EcoSSL Plants	5	<BKG	yes
B116128	B116128B1S1	INORG	Zinc	7440-66-6	41.3		0.811	5.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B116128	B116128B3S1	INORG	Barium	7440-39-3	179		0.213	4.55	235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B116128	B116128B3S1	INORG	Boron	7440-42-8	2.45	J	0.946	4.55	8.22	<BKG	8.22	Background	0.3	<BKG	yes
B116128	B116128B3S1	INORG	Cobalt	7440-48-4	14.3		1.01	4.55	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B116128	B116128B3S1	INORG	Copper	7440-50-8	23.6		0.213	4.55	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B116128	B116128B3S1	INORG	Manganese	7439-96-5	796		0.298	4.55	1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B116128	B116128B3S1	INORG	Zinc	7440-66-6	45.9		0.702	4.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B116128	B116128B4S1	INORG	Barium	7440-39-3	120		0.0512	5.15	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B116128	B116128B4S1	INORG	Boron	7440-42-8	10.6		1.14	5.15	8.22	2.38	8.22	Background	1	0.3	yes
B116128	B116128B4S1	INORG	Cobalt	7440-48-4	11.4		0.243	5.15	27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B116128	B116128B4S1	INORG	Copper	7440-50-8	24.7		0.256	5.15	52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B116128	B116128B4S1	INORG	Manganese	7439-96-5	279		0.0716	5.15	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B116128	B116128B4S1	INORG	Mercury	7439-97-6	0.0275	J	0.014	5.15	0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B116128	B116128B4S1	INORG	Thallium	7440-28-0	2.74	J	1.85	5.15	4.1	<BKG	4.1	Background	0.7	<BKG	yes
B116128	B116128B4S1	INORG	Zinc	7440-66-6	69.3		0.844	5.15	89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B117	B117B1S1	INORG	Barium	7440-39-3	104		0.0471	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117B1S1	INORG	Boron	7440-42-8	24.9	J	5.24	5.335	8.22	16.68	8.22	Background	3	2	yes
B117	B117B1S1	INORG	Cobalt	7440-48-4	19.5		0.224	5.335	27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B117	B117B1S1	INORG	Copper	7440-50-8	52		0.235	5.335	52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B117	B117B1S1	INORG	Manganese	7439-96-5	448	J	0.0659	5.335	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B117	B117B1S1	INORG	Mercury	7439-97-6	0.088	J	0.013	5.335	0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B117	B117B1S1	INORG	Selenium	7782-49-2	2.97		1.15	5.335	5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B117	B117B1S1	INORG	Zinc	7440-66-6	84.7		3.92	5.335	89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B117	B117S1S1	INORG	Barium	7440-39-3	100		0.0459	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117S1S1	INORG	Boron	7440-42-8	9.25		1.02	5.335	8.22	1.03	8.22	Background	1	0.1	yes
B117	B117S1S1	INORG	Cobalt	7440-48-4	5.98		0.218	5.335	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B117	B117S1S1	INORG	Copper	7440-50-8	14.9		0.229	5.335	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B117	B117S1S1	INORG	Manganese	7439-96-5	190	J	0.0642	5.335	1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B117	B117S1S1	INORG	Mercury	7439-97-6	0.0289	J	0.0129	5.335	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B117	B117S1S1	INORG	Selenium	7782-49-2	1.94	J	1.12	5.335	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B117	B117S1S1	INORG	Zinc	7440-66-6	42.3		0.757	5.335	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B117	B117S1S1DUP	INORG	Barium	7440-39-3	103		0.0467	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117S1S1DUP	INORG	Boron	7440-42-8	8.72		1.04	5.335	8.22	0.5	8.22	Background	1	0.06	yes
B117	B117S1S1DUP	INORG	Cobalt	7440-48-4	6.01		0.222	5.335	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B117	B117S1S1DUP	INORG	Copper	7440-50-8	14.4		0.233	5.335	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B117	B117S1S1DUP	INORG	Manganese	7439-96-5	208	J	0.0654	5.335	1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B117	B117S1S1DUP	INORG	Mercury	7439-97-6	0.0357	J	0.0136	5.335	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B117	B117S1S1DUP	INORG	Selenium	7782-49-2	1.4	J	1.14	5.335	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B117	B117S1S1DUP	INORG	Zinc	7440-66-6	43.1		0.778	5.335	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Barium	7440-39-3	97.9		0.0496	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Boron	7440-42-8	7.78		1.1	5.335	8.22	<BKG	8.22	Background	0.9	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Cobalt	7440-48-4	5.71		0.236	5.335	27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Copper	7440-50-8	12		0.248	5.335	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Manganese	7439-96-5	213	J	0.0695	5.335	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Mercury	7439-97-6	0.023	J	0.0139	5.335	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Selenium	7782-49-2	2.05	J	1.22	5.335	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B117	B117S2S1 Unspiked	INORG	Zinc	7440-66-6	38.8		0.819	5.335	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B117	B117S3S1	INORG	Barium	7440-39-3	112		0.0512	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117S3S1	INORG	Boron	7440-42-8	10.3		1.14	5.335	8.22	2.08	8.22	Background	1	0.3	yes
B117	B117S3S1	INORG	Cobalt	7440-48-4	13		0.243	5.335	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B117	B117S3S1	INORG	Copper	7440-50-8	32.2		0.256	5.335	52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B117	B117S3S1	INORG	Manganese	7439-96-5	591	J	0.0717	5.335	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B117	B117S3S1	INORG	Mercury	7439-97-6	0.0438	J	0.0146	5.335	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B117	B117S3S1	INORG	Selenium	7782-49-2	1.91	J	1.25	5.335	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B117	B117S3S1	INORG	Zinc	7440-66-6	262		4.31	5.335	89.55	172.45	160	EcoSSL Plants	2	1	yes
B117	B117S4S1	INORG	Antimony	7440-36-0	13.4	J	6.19	5.335	5.09	8.31	5	ORNL Plants	3	2	NO
B117	B117S4S1	INORG	Barium	7440-39-3	97.5		0.0495	5.335	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B117	B117S4S1	INORG	Boron	7440-42-8	20		1.1	5.335	8.22	11.78	8.22	Background	2	1	yes
B117	B117S4S1	INORG	Cobalt	7440-48-4	12.7		1.18	5.335	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B117	B117S4S1	INORG	Copper	7440-50-8	23.8		1.24	5.335	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B117	B117S4S1	INORG	Manganese	7439-96-5	297		0.347	5.335	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B117	B117S4S1	INORG	Mercury	7439-97-6	0.0441	J	0.014	5.335	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B117	B117S4S1	INORG	Zinc	7440-66-6	84.6		4.08	5.335	89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B119120	B119120B1S1	INORG	Barium	7440-39-3	117		0.047		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B119120	B119120B1S1	INORG	Boron	7440-42-8	12.4		1.05		8.22	4.18	8.22	Background	2	0.5	yes
B119120	B119120B1S1	INORG	Cobalt	7440-48-4	11.8		0.223		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B119120	B119120B1S1	INORG	Copper	7440-50-8	43.7		0.235		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B119120	B119120B1S1	INORG	Manganese	7439-96-5	458		0.0658		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B119120	B119120B1S1	INORG	Mercury	7439-97-6	0.0326	J	0.013		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B119120	B119120B1S1	INORG	Selenium	7782-49-2	1.38	J	1.15		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B119120	B119120B1S1	INORG	Thallium	7440-28-0	4.95		1.7		4.1	0.85	4.1	Background	1	0.2	yes
B119120	B119120B1S1	INORG	Zinc	7440-66-6	74.9		0.776		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B119120	B119120B3S1	INORG	Barium	7440-39-3	106		0.0462		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B119120	B119120B3S1	INORG	Boron	7440-42-8	14.7		1.03		8.22	6.48	8.22	Background	2	0.8	yes
B119120	B119120B3S1	INORG	Cobalt	7440-48-4	8.44		0.219		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B119120	B119120B3S1	INORG	Copper	7440-50-8	9.99		0.231		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B119120	B119120B3S1	INORG	Manganese	7439-96-5	194		0.0647		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B119120	B119120B3S1	INORG	Mercury	7439-97-6	0.0299	J	0.013		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B119120	B119120B3S1	INORG	Thallium	7440-28-0	2.11	J	1.67		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B119120	B119120B3S1	INORG	Zinc	7440-66-6	53.3		0.762		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B119120	B119120B4S1	INORG	Barium	7440-39-3	179		0.045		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B119120	B119120B4S1	INORG	Boron	7440-42-8	12.8		1		8.22	4.58	8.22	Background	2	0.6	yes
B119120	B119120B4S1	INORG	Cobalt	7440-48-4	6.57		0.214		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B119120	B119120B4S1	INORG	Copper	7440-50-8	20.2		0.225		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B119120	B119120B4S1	INORG	Manganese	7439-96-5	262		0.0629		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B119120	B119120B4S1	INORG	Molybdenum	7439-98-7	0.848	J	0.494		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B119120	B119120B4S1	INORG	Thallium	7440-28-0	1.75	J	1.63		4.1	<BKG	4.1	Background	0.4	<BKG	yes
B119120	B119120B4S1	INORG	Zinc	7440-66-6	59.8		0.742		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B119120	B119120S1S1	INORG	Barium	7440-39-3	133		0.244		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B119120	B119120S1S1	INORG	Boron	7440-42-8	18.5	J	5.44		8.22	10.28	8.22	Background	2	1	yes
B119120	B119120S1S1	INORG	Cobalt	7440-48-4	22.6		1.16		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B119120	B119120S1S1	INORG	Copper	7440-50-8	57		1.22		52.77	4.23	70	EcoSSL Plants	0.8	0.06	yes
B119120	B119120S1S1	INORG	Manganese	7439-96-5	1,010		0.685		1,127	<BKG	220	EcoSSL Plants	5	<BKG	yes
B119120	B119120S1S1	INORG	Mercury	7439-97-6	0.0293	J	0.0139		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B119120	B119120S1S1	INORG	Zinc	7440-66-6	50.9		0.807		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B119120	B119120B1S1	Nitroaromatics	RDX	121-82-4	0.12	J	0.12		--	no bkg	99	Exp EcoSSL	0.001	0.001	yes
B119120	B119120B4S1	Nitroaromatics	RDX	121-82-4	0.13	J	0.11		--	no bkg	99	Exp EcoSSL	0.001	0.001	yes
B119120	B119120B1S1	SVOC	2-Methyl naphthalene	91-57-6	0.31		0.04		--	no bkg	70	ORNL Plants phenol	0.004	0.004	yes
B119120	B119120B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.16	J	0.039		--	no bkg	70	ORNL Plants phenol	0.002	0.002	yes
B119120	B119120B4S1	SVOC	2-Methyl naphthalene	91-57-6	0.1	J	0.038		--	no bkg	70	ORNL Plants phenol	0.001	0.001	yes
B122	B122B10S1	INORG	Barium	7440-39-3	82.9		0.0457		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B122	B122B10S1	INORG	Cobalt	7440-48-4	4.38		0.217		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B122	B122B10S1	INORG	Copper	7440-50-8	8.28		0.229		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B122	B122B10S1	INORG	Zinc	7440-66-6	30.4		0.754		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B122	B122B1S1	INORG	Barium	7440-39-3	67.2		0.0506		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B122	B122B1S1	INORG	Boron	7440-42-8	1.26	J	1.13		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B122	B122B1S1	INORG	Cobalt	7440-48-4	3.84		0.241		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B122	B122B1S1	INORG	Copper	7440-50-8	41.5		0.253		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B122	B122B1S1	INORG	Mercury	7439-97-6	0.24		0.0148		0.09	0.15	0.3	ORNL Plants	0.8	0.5	yes
B122	B122B1S1	INORG	Selenium	7782-49-2	3.19		1.24		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B122	B122B1S1	INORG	Zinc	7440-66-6	139		0.835		89.55	49.45	160	EcoSSL Plants	0.9	0.3	yes
B122	B122B2S1	INORG	Barium	7440-39-3	59.2		0.0458		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B122	B122B2S1	INORG	Cobalt	7440-48-4	2.81		0.218		27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B122	B122B2S1	INORG	Copper	7440-50-8	3.29		0.229		52.77	<BKG	70	EcoSSL Plants	0.05	<BKG	yes
B122	B122B2S1	INORG	Manganese	7439-96-5	185	J-	0.321		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B122	B122B2S1	INORG	Zinc	7440-66-6	13.2		0.756		89.55	<BKG	160	EcoSSL Plants	0.08	<BKG	yes
B122	B122B3S1	INORG	Barium	7440-39-3	61	J	0.0464		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B122	B122B3S1	INORG	Cobalt	7440-48-4	4.72		0.22		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B122	B122B3S1	INORG	Copper	7440-50-8	1.4		0.232		52.77	<BKG	70	EcoSSL Plants	0.02	<BKG	yes
B122	B122B3S1	INORG	Manganese	7439-96-5	255		0.065		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B122	B122B3S1	INORG	Mercury	7439-97-6	0.0266	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B122	B122B3S1	INORG	Zinc	7440-66-6	15.8		0.781		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B122	B122B5S1	INORG	Barium	7440-39-3	90.8		0.0515		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B122	B122B5S1	INORG	Cobalt	7440-48-4	9.26		0.245		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B122	B122B5S1	INORG	Copper	7440-50-8	21.1		0.258		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B122	B122B5S1	INORG	Manganese	7439-96-5	171		0.361		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B122	B122B5S1	INORG	Mercury	7439-97-6	0.0376	J	0.0144		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B122	B122B5S1	INORG	Zinc	7440-66-6	185		4.25		89.55	95.45	160	EcoSSL Plants	1	0.6	yes
B122	B122B6S1	INORG	Barium	7440-39-3	41.2		0.0529		235.76	<BKG	500	ORNL Plants	0.08	<BKG	yes
B122	B122B6S1	INORG	Cobalt	7440-48-4	2.41		0.251		27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B122	B122B6S1	INORG	Copper	7440-50-8	14		0.264		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B122	B122B6S1	INORG	Manganese	7439-96-5	76.1	J-	0.074		1,127	<BKG	220	EcoSSL Plants	0.3	<BKG	yes
B122	B122B6S1	INORG	Mercury	7439-97-6	0.183		0.0152		0.09	0.093	0.3	ORNL Plants	0.6	0.3	yes
B122	B122B6S1	INORG	Zinc	7440-66-6	24.1		0.872		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B122	B122B7S1	INORG	Barium	7440-39-3	68.6		0.0435		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B122	B122B7S1	INORG	Cobalt	7440-48-4	4.62		0.207		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B122	B122B7S1	INORG	Copper	7440-50-8	9.18		0.218		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B122	B122B7S1	INORG	Manganese	7439-96-5	167	J-	0.305		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B122	B122B7S1	INORG	Zinc	7440-66-6	23.8		0.718		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B122	B122B7S1-DUP	INORG	Barium	7440-39-3	89.8		0.0437		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B122	B122B7S1-DUP	INORG	Cobalt	7440-48-4	5.49		0.207		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B122	B122B7S1-DUP	INORG	Copper	7440-50-8	9.41		0.218		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B122	B122B7S1-DUP	INORG	Manganese	7439-96-5	179	J-	0.306		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B122	B122B7S1-DUP	INORG	Mercury	7439-97-6	0.0128	J	0.0125		0.09	<BKG	0.3	ORNL Plants	0.04	<BKG	yes
B122	B122B7S1-DUP	INORG	Zinc	7440-66-6	30.4		0.721		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B122	B122B8S1	INORG	Barium	7440-39-3	67		0.0467		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B122	B122B8S1	INORG	Boron	7440-42-8	1.17	J	1.04		8.22	<BKG	8.22	Background	0.1	<BKG	yes
B122	B122B8S1	INORG	Cobalt	7440-48-4	8.13		0.222		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B122	B122B8S1	INORG	Copper	7440-50-8	20.3		0.234		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B122	B122B8S1	INORG	Manganese	7439-96-5	331	J-	0.327		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B122	B122B8S1	INORG	Mercury	7439-97-6	0.0927	J	0.013		0.09	0.0027	0.3	ORNL Plants	0.3	0.009	yes
B122	B122B8S1	INORG	Zinc	7440-66-6	38.1		0.771		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B122	B122B9S1	INORG	Barium	7440-39-3	71.4		0.0488		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B122	B122B9S1	INORG	Boron	7440-42-8	2	J	1.09		8.22	<BKG	8.22	Background	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B122	B122B9S1	INORG	Cobalt	7440-48-4	4.77		0.232		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B122	B122B9S1	INORG	Copper	7440-50-8	35.9		0.244		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B122	B122B9S1	INORG	Manganese	7439-96-5	146	J-	0.341		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B122	B122B9S1	INORG	Mercury	7439-97-6	0.0943	J	0.0138		0.09	0.0043	0.3	ORNL Plants	0.3	0.01	yes
B122	B122B9S1	INORG	Zinc	7440-66-6	131		4.02		89.55	41.45	160	EcoSSL Plants	0.8	0.3	yes
B122	B122B5S1	SVOC	2-Methyl naphthalene	91-57-6	0.09	J	0.044		--	no bkg	70	ORNL Plants phenol	0.001	0.001	yes
B123	B123B1S1	INORG	Antimony	7440-36-0	1.27	J	1.27		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B123	B123B1S1	INORG	Barium	7440-39-3	87.5		0.0508		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B123	B123B1S1	INORG	Cobalt	7440-48-4	3.95		0.241		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B123	B123B1S1	INORG	Copper	7440-50-8	14.7		0.254		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B123	B123B1S1	INORG	Manganese	7439-96-5	105		0.0711		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B123	B123B1S1	INORG	Mercury	7439-97-6	0.0235	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B123	B123B1S1	INORG	Perchlorate	14797-73-0	0.0061	J	0.0027		--	no bkg	4	NCEA	0.002	0.002	yes
B123	B123B1S1	INORG	Thallium	7440-28-0	2.55	J	1.84		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B123	B123B1S1	INORG	Zinc	7440-66-6	46.8		0.838		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B123	B123S1S1	INORG	Barium	7440-39-3	69		0.0489		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B123	B123S1S1	INORG	Boron	7440-42-8	30.3	J	5.44		8.22	22.08	8.22	Background	4	3	yes
B123	B123S1S1	INORG	Cobalt	7440-48-4	3.25		1.16		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B123	B123S1S1	INORG	Copper	7440-50-8	19.1		1.22		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B123	B123S1S1	INORG	Manganese	7439-96-5	136		0.342		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
B123	B123S1S1	INORG	Mercury	7439-97-6	0.101	J	0.014		0.09	0.011	0.3	ORNL Plants	0.3	0.04	yes
B123	B123S1S1	INORG	Molybdenum	7439-98-7	0.562	J	0.538		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B123	B123S1S1	INORG	Zinc	7440-66-6	66.2		4.03		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B123	B123S2S1	INORG	Barium	7440-39-3	42.6		0.0442		235.76	<BKG	500	ORNL Plants	0.09	<BKG	yes
B123	B123S2S1	INORG	Cobalt	7440-48-4	1.69		0.21		27.3	<BKG	13	EcoSSL Plants	0.1	<BKG	yes
B123	B123S2S1	INORG	Copper	7440-50-8	7.81		0.221		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B123	B123S2S1	INORG	Manganese	7439-96-5	78.2		0.0619		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B123	B123S2S1	INORG	Mercury	7439-97-6	0.124	J	0.0122		0.09	0.034	0.3	ORNL Plants	0.4	0.1	yes
B123	B123S2S1	INORG	Perchlorate	14797-73-0	0.0076		0.0024		--	no bkg	4	NCEA	0.002	0.002	yes
B123	B123S2S1	INORG	Zinc	7440-66-6	23.1		0.729		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B123	B123S3S1	INORG	Barium	7440-39-3	37.5		0.0494		235.76	<BKG	500	ORNL Plants	0.08	<BKG	yes
B123	B123S3S1	INORG	Boron	7440-42-8	25.1	J	5.5		8.22	16.88	8.22	Background	3	2	yes
B123	B123S3S1	INORG	Cobalt	7440-48-4	1.65	J	1.17		27.3	<BKG	13	EcoSSL Plants	0.1	<BKG	yes
B123	B123S3S1	INORG	Copper	7440-50-8	9.35		1.24		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B123	B123S3S1	INORG	Manganese	7439-96-5	83.2		0.0692		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B123	B123S3S1	INORG	Mercury	7439-97-6	0.103	J	0.0139		0.09	0.013	0.3	ORNL Plants	0.3	0.04	yes
B123	B123S3S1	INORG	Zinc	7440-66-6	15.7		4.08		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B124135	B124135B1S1	INORG	Barium	7440-39-3	133		0.0496		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B124135	B124135B1S1	INORG	Boron	7440-42-8	5.28	J	1.1		8.22	<BKG	8.22	Background	0.6	<BKG	yes
B124135	B124135B1S1	INORG	Cobalt	7440-48-4	6.68		0.236		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B124135	B124135B1S1	INORG	Copper	7440-50-8	18.2	J	0.248		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B1S1	INORG	Manganese	7439-96-5	445		0.0695		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135B1S1	INORG	Mercury	7439-97-6	0.065	J	0.0141		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B124135	B124135B1S1	INORG	Thallium	7440-28-0	2.04	J	1.8		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B1S1	INORG	Zinc	7440-66-6	84.7	J-	0.819		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B124135	B124135B2S1	INORG	Barium	7440-39-3	282		0.0497		235.76	46.24	500	ORNL Plants	0.6	0.09	yes
B124135	B124135B2S1	INORG	Boron	7440-42-8	13.4		1.11		8.22	5.18	8.22	Background	2	0.6	yes
B124135	B124135B2S1	INORG	Cobalt	7440-48-4	10.7		0.236		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B124135	B124135B2S1	INORG	Copper	7440-50-8	20.8	J	0.248		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B2S1	INORG	Manganese	7439-96-5	1,190		0.696		1,127	63	220	EcoSSL Plants	5	0.3	yes
B124135	B124135B2S1	INORG	Mercury	7439-97-6	0.0186	J	0.0143		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B124135	B124135B2S1	INORG	Thallium	7440-28-0	2.62	J	1.8		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B2S1	INORG	Zinc	7440-66-6	65.2	J-	0.82		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B124135	B124135B3S1	INORG	Barium	7440-39-3	194		0.0475		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B124135	B124135B3S1	INORG	Boron	7440-42-8	13.2		1.06		8.22	4.98	8.22	Background	2	0.6	yes
B124135	B124135B3S1	INORG	Cobalt	7440-48-4	10.1		0.226		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B124135	B124135B3S1	INORG	Copper	7440-50-8	19.6	J	0.237		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B3S1	INORG	Manganese	7439-96-5	758		0.665		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B124135	B124135B3S1	INORG	Mercury	7439-97-6	0.0252	J	0.0139		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B124135	B124135B3S1	INORG	Thallium	7440-28-0	2.6	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B3S1	INORG	Zinc	7440-66-6	52.2	J-	0.783		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B4S1	INORG	Antimony	7440-36-0	1.77	J	1.17		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B124135	B124135B4S1	INORG	Barium	7440-39-3	159		0.0467		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B124135	B124135B4S1	INORG	Boron	7440-42-8	16.5		1.04		8.22	8.28	8.22	Background	2	1	yes
B124135	B124135B4S1	INORG	Cobalt	7440-48-4	11.5		0.222		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B124135	B124135B4S1	INORG	Copper	7440-50-8	23.3	J	0.234		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B4S1	INORG	Manganese	7439-96-5	350		0.0654		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135B4S1	INORG	Mercury	7439-97-6	0.0422	J	0.013		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B124135	B124135B4S1	INORG	Selenium	7782-49-2	1.54	J	1.14		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B124135	B124135B4S1	INORG	Thallium	7440-28-0	4.6		1.69		4.1	0.5	4.1	Background	1	0.1	yes
B124135	B124135B4S1	INORG	Zinc	7440-66-6	85.7	J-	0.771		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B124135	B124135B5S1	INORG	Antimony	7440-36-0	1.45	J	1.16		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B124135	B124135B5S1	INORG	Barium	7440-39-3	114		0.0466		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B124135	B124135B5S1	INORG	Boron	7440-42-8	12.4		1.04		8.22	4.18	8.22	Background	2	0.5	yes
B124135	B124135B5S1	INORG	Cobalt	7440-48-4	11.3		0.221		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B124135	B124135B5S1	INORG	Copper	7440-50-8	10.9	J	0.233		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B124135	B124135B5S1	INORG	Manganese	7439-96-5	236		0.0652		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B124135	B124135B5S1	INORG	Mercury	7439-97-6	0.0752	J	0.0129		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B124135	B124135B5S1	INORG	Thallium	7440-28-0	2.49	J	1.69		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B5S1	INORG	Zinc	7440-66-6	66.2	J-	0.769		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B124135	B124135B7S1	INORG	Barium	7440-39-3	164		0.0455		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B124135	B124135B7S1	INORG	Boron	7440-42-8	10.7		1.01		8.22	2.48	8.22	Background	1	0.3	yes
B124135	B124135B7S1	INORG	Cobalt	7440-48-4	7.21		0.216		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B124135	B124135B7S1	INORG	Copper	7440-50-8	9.62	J	0.228		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B124135	B124135B7S1	INORG	Manganese	7439-96-5	376		0.0637		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135B7S1	INORG	Mercury	7439-97-6	0.0178	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B124135	B124135B7S1	INORG	Thallium	7440-28-0	1.92	J	1.65		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B7S1	INORG	Zinc	7440-66-6	49.7	J-	0.751		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135B8S1	INORG	Barium	7440-39-3	120		0.0498		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B124135	B124135B8S1	INORG	Boron	7440-42-8	11.8		1.11		8.22	3.58	8.22	Background	1	0.4	yes
B124135	B124135B8S1	INORG	Cobalt	7440-48-4	9.02		0.236		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B124135	B124135B8S1	INORG	Copper	7440-50-8	34.9	J	0.249		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B124135	B124135B8S1	INORG	Manganese	7439-96-5	486		0.0697		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135B8S1	INORG	Mercury	7439-97-6	0.34		0.0143		0.09	0.25	0.3	ORNL Plants	1	0.8	yes
B124135	B124135B8S1	INORG	Molybdenum	7439-98-7	0.617	J	0.547		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B124135	B124135B8S1	INORG	Thallium	7440-28-0	1.98	J	1.8		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B8S1	INORG	Zinc	7440-66-6	106	J-	0.821		89.55	16.45	160	EcoSSL Plants	0.7	0.1	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B124135	B124135S1S1	INORG	Barium	7440-39-3	113		0.0481		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B124135	B124135S1S1	INORG	Boron	7440-42-8	8.32		1.07		8.22	0.1	8.22	Background	1	0.01	yes
B124135	B124135S1S1	INORG	Cobalt	7440-48-4	5.28		0.229		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B124135	B124135S1S1	INORG	Copper	7440-50-8	8.03	J	0.241		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B124135	B124135S1S1	INORG	Manganese	7439-96-5	586		0.0674		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B124135	B124135S1S1	INORG	Mercury	7439-97-6	0.0208	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B124135	B124135S1S1	INORG	Zinc	7440-66-6	27.8	J-	0.794		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B124135	B124135S1S1DUP	INORG	Barium	7440-39-3	117		0.0487		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B124135	B124135S1S1DUP	INORG	Boron	7440-42-8	8.65		1.08		8.22	0.43	8.22	Background	1	0.05	yes
B124135	B124135S1S1DUP	INORG	Cobalt	7440-48-4	5.78		0.231		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B124135	B124135S1S1DUP	INORG	Copper	7440-50-8	8.12	J	0.243		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B124135	B124135S1S1DUP	INORG	Manganese	7439-96-5	598		0.0681		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B124135	B124135S1S1DUP	INORG	Mercury	7439-97-6	0.0204	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B124135	B124135S1S1DUP	INORG	Zinc	7440-66-6	28.9	J-	0.803		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B124135	B124135S2S1	INORG	Antimony	7440-36-0	1.35	J	1.2		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B124135	B124135S2S1	INORG	Barium	7440-39-3	169		0.0478		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B124135	B124135S2S1	INORG	Boron	7440-42-8	11.3		1.06		8.22	3.08	8.22	Background	1	0.4	yes
B124135	B124135S2S1	INORG	Cobalt	7440-48-4	8.98		0.227		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B124135	B124135S2S1	INORG	Copper	7440-50-8	13.7	J	0.239		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B124135	B124135S2S1	INORG	Manganese	7439-96-5	453		0.067		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135S2S1	INORG	Mercury	7439-97-6	0.0216	J	0.0138		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B124135	B124135S2S1	INORG	Thallium	7440-28-0	2.16	J	1.73		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135S2S1	INORG	Zinc	7440-66-6	50.7	J-	0.789		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B124135	B124135S3S1	INORG	Antimony	7440-36-0	3.53	J	1.29		5.09	<BKG	5	ORNL Plants	0.7	<BKG	yes
B124135	B124135S3S1	INORG	Barium	7440-39-3	155		0.0515		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B124135	B124135S3S1	INORG	Boron	7440-42-8	15.1		1.15		8.22	6.88	8.22	Background	2	0.8	yes
B124135	B124135S3S1	INORG	Cobalt	7440-48-4	11.8		0.245		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B124135	B124135S3S1	INORG	Copper	7440-50-8	6,780	J	25.8		52.77	6,727	70	EcoSSL Plants	100	100	yes
B124135	B124135S3S1	INORG	Manganese	7439-96-5	516		0.0722		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B124135	B124135S3S1	INORG	Mercury	7439-97-6	0.0357	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B124135	B124135S3S1	INORG	Selenium	7782-49-2	1.49	J	1.26		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B124135	B124135S3S1	INORG	Thallium	7440-28-0	3.1	J	1.87		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B124135	B124135S3S1	INORG	Zinc	7440-66-6	80.8	J-	0.851		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B125136	B125136B1S1	INORG	Barium	7440-39-3	225		0.0483		235.76	<BKG	500	ORNL Plants	0.5	<BKG	yes
B125136	B125136B1S1	INORG	Cobalt	7440-48-4	7.12	J	0.229		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B125136	B125136B1S1	INORG	Copper	7440-50-8	14.4		0.241		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B125136	B125136B1S1	INORG	Mercury	7439-97-6	0.0761	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B125136	B125136B1S1	INORG	Selenium	7782-49-2	2.38	J	1.18		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B125136	B125136B1S1	INORG	Zinc	7440-66-6	286		0.796		89.55	196.45	160	EcoSSL Plants	2	1	yes
B125136	B125136B2S1	INORG	Barium	7440-39-3	71		0.0484		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B125136	B125136B2S1	INORG	Cobalt	7440-48-4	8.24	J	0.23		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B125136	B125136B2S1	INORG	Copper	7440-50-8	17.7		0.242		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B125136	B125136B2S1	INORG	Mercury	7439-97-6	0.111	J	0.0136		0.09	0.021	0.3	ORNL Plants	0.4	0.07	yes
B125136	B125136B2S1	INORG	Selenium	7782-49-2	2.39	J	1.18		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B125136	B125136B2S1	INORG	Zinc	7440-66-6	32.9		0.798		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B125136	B125136B3S1	INORG	Barium	7440-39-3	167		0.0499		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B125136	B125136B3S1	INORG	Cobalt	7440-48-4	20.4	J	0.237		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B125136	B125136B3S1	INORG	Copper	7440-50-8	52.1		0.249		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B125136	B125136B3S1	INORG	Mercury	7439-97-6	0.0205	J	0.0141		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B125136	B125136B3S1	INORG	Selenium	7782-49-2	2.99		1.22		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B125136	B125136B3S1	INORG	Zinc	7440-66-6	123		0.823		89.55	33.45	160	EcoSSL Plants	0.8	0.2	yes
B125136	B125136S1S1	INORG	Antimony	7440-36-0	2.75	J	1.3		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B125136	B125136S1S1	INORG	Barium	7440-39-3	83		0.052		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B125136	B125136S1S1	INORG	Boron	7440-42-8	9.82		1.15		8.22	1.6	8.22	Background	1	0.2	yes
B125136	B125136S1S1	INORG	Cobalt	7440-48-4	8.28	J	0.247		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B125136	B125136S1S1	INORG	Copper	7440-50-8	21.6		0.26		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B125136	B125136S1S1	INORG	Manganese	7439-96-5	369	J	0.364		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B125136	B125136S1S1	INORG	Mercury	7439-97-6	0.115	J	0.0147		0.09	0.025	0.3	ORNL Plants	0.4	0.08	yes
B125136	B125136S1S1	INORG	Selenium	7782-49-2	3.98		1.27		5.23	<BKG	0.52	EcoSSL Plants	8	<BKG	NO
B125136	B125136S1S1	INORG	Zinc	7440-66-6	43.1		0.858		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B125136	B125136S1S1DUP	INORG	Antimony	7440-36-0	2.9	J	1.27		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B125136	B125136S1S1DUP	INORG	Barium	7440-39-3	81.9		0.051		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B125136	B125136S1S1DUP	INORG	Cobalt	7440-48-4	8.46	J	0.242		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B125136	B125136S1S1DUP	INORG	Copper	7440-50-8	21.3		0.255		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B125136	B125136S1S1DUP	INORG	Manganese	7439-96-5	384	J	0.357		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B125136	B125136S1S1DUP	INORG	Mercury	7439-97-6	0.108	J	0.0147		0.09	0.018	0.3	ORNL Plants	0.4	0.06	yes
B125136	B125136S1S1DUP	INORG	Selenium	7782-49-2	4.17		1.25		5.23	<BKG	0.52	EcoSSL Plants	8	<BKG	NO
B125136	B125136S1S1DUP	INORG	Zinc	7440-66-6	42.6		0.841		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B125136	B125136S2S1	INORG	Antimony	7440-36-0	2.93	J	1.19		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B125136	B125136S2S1	INORG	Barium	7440-39-3	141		0.238		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B125136	B125136S2S1	INORG	Cobalt	7440-48-4	21.1	J	0.226		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B125136	B125136S2S1	INORG	Copper	7440-50-8	25.6		0.238		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S2S1	INORG	Manganese	7439-96-5	390	J	0.333		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B125136	B125136S2S1	INORG	Mercury	7439-97-6	0.132		0.0137		0.09	0.042	0.3	ORNL Plants	0.4	0.1	yes
B125136	B125136S2S1	INORG	Selenium	7782-49-2	2.87		1.17		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B125136	B125136S2S1	INORG	Zinc	7440-66-6	78		0.785		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B125136	B125136S3S1	INORG	Barium	7440-39-3	57.8		0.0484		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B125136	B125136S3S1	INORG	Cobalt	7440-48-4	3.1	J	0.23		27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B125136	B125136S3S1	INORG	Copper	7440-50-8	5.51		0.242		52.77	<BKG	70	EcoSSL Plants	0.08	<BKG	yes
B125136	B125136S3S1	INORG	Manganese	7439-96-5	102	J	0.0677		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B125136	B125136S3S1	INORG	Mercury	7439-97-6	0.0174	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B125136	B125136S3S1	INORG	Zinc	7440-66-6	19.2		0.798		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B125136	B125136S4S1	INORG	Antimony	7440-36-0	1.94	J	1.22		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B125136	B125136S4S1	INORG	Barium	7440-39-3	73.6		0.0488		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B125136	B125136S4S1	INORG	Cobalt	7440-48-4	4.56	J	0.232		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S4S1	INORG	Copper	7440-50-8	29		0.244		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S4S1	INORG	Manganese	7439-96-5	111	J	0.0684		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B125136	B125136S4S1	INORG	Mercury	7439-97-6	0.0914	J	0.0139		0.09	0.0014	0.3	ORNL Plants	0.3	0.005	yes
B125136	B125136S4S1	INORG	Zinc	7440-66-6	35.4		0.806		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B125136	B125136S5S1	INORG	Antimony	7440-36-0	3.17	J	1.22		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B125136	B125136S5S1	INORG	Barium	7440-39-3	96.2		0.0489		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B125136	B125136S5S1	INORG	Cobalt	7440-48-4	18.6	J	0.232		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B125136	B125136S5S1	INORG	Copper	7440-50-8	47.7		0.244		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B125136	B125136S5S1	INORG	Manganese	7439-96-5	756	J	0.685		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B125136	B125136S5S1	INORG	Mercury	7439-97-6	0.0197	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B125136	B125136S5S1	INORG	Selenium	7782-49-2	3.1		1.2		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B125136	B125136S5S1	INORG	Zinc	7440-66-6	57.1		0.807		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S6S1	INORG	Antimony	7440-36-0	2.98	J	1.22		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B125136	B125136S6S1	INORG	Barium	7440-39-3	92.1		0.0486		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B125136	B125136S6S1	INORG	Cobalt	7440-48-4	21.7	J	0.231		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B125136	B125136S6S1	INORG	Copper	7440-50-8	52.3		0.243		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B125136	B125136S6S1	INORG	Manganese	7439-96-5	1,290	J	1.36		1,127	163	220	EcoSSL Plants	6	0.7	yes
B125136	B125136S6S1	INORG	Mercury	7439-97-6	0.0171	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B125136	B125136S6S1	INORG	Molybdenum	7439-98-7	1.91	J	0.535		1.96	<BKG	2	ORNL Plants	1	<BKG	yes
B125136	B125136S6S1	INORG	Selenium	7782-49-2	3.62		1.19		5.23	<BKG	0.52	EcoSSL Plants	7	<BKG	NO
B125136	B125136S6S1	INORG	Zinc	7440-66-6	63.9		0.802		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S7S1	INORG	Antimony	7440-36-0	2.46	J	1.24		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
B125136	B125136S7S1	INORG	Barium	7440-39-3	83.4		0.0495		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B125136	B125136S7S1	INORG	Cobalt	7440-48-4	8.1	J	0.235		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B125136	B125136S7S1	INORG	Copper	7440-50-8	16.4		0.248		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B125136	B125136S7S1	INORG	Manganese	7439-96-5	195	J	0.347		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B125136	B125136S7S1	INORG	Mercury	7439-97-6	0.0247	J	0.0139		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B125136	B125136S7S1	INORG	Selenium	7782-49-2	2.37	J	1.21		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B125136	B125136S7S1	INORG	Zinc	7440-66-6	57.6		0.817		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B125136	B125136S8S1	INORG	Barium	7440-39-3	221		0.259		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B125136	B125136S8S1	INORG	Cobalt	7440-48-4	17.2	J	1.23		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B125136	B125136S8S1	INORG	Copper	7440-50-8	38.7		1.29		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B125136	B125136S8S1	INORG	Manganese	7439-96-5	409	J	0.362		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B125136	B125136S8S1	INORG	Mercury	7439-97-6	0.0338	J	0.0151		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B125136	B125136S8S1	INORG	Zinc	7440-66-6	93.7		4.27		89.55	4.15	160	EcoSSL Plants	0.6	0.03	yes
B125136	B125136B2S1	SVOC	2-Methyl naphthalene	91-57-6	0.29	J	0.041		--	no bkg	70	ORNL Plants phenol	0.004	0.004	yes
B134	B134S1S1	INORG	Barium	7440-39-3	62	J	0.0498		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B134	B134S1S1	INORG	Cobalt	7440-48-4	4.01		0.237		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B134	B134S1S1	INORG	Copper	7440-50-8	9.49		0.249		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B134	B134S1S1	INORG	Manganese	7439-96-5	87.9		0.0697		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B134	B134S1S1	INORG	Selenium	7782-49-2	1.51	J	1.22		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B134	B134S1S1	INORG	Zinc	7440-66-6	48.5		0.822		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B134	B134S2S1	INORG	Antimony	7440-36-0	1.8	J	1.22		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B134	B134S2S1	INORG	Barium	7440-39-3	494	J	0.244		235.76	258.24	500	ORNL Plants	1	0.5	yes
B134	B134S2S1	INORG	Cobalt	7440-48-4	28.4		0.232		27.3	1.1	13	EcoSSL Plants	2	0.08	yes
B134	B134S2S1	INORG	Copper	7440-50-8	48.2		0.244		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B134	B134S2S1	INORG	Manganese	7439-96-5	4,740		3.42		1,127	3,613	220	EcoSSL Plants	20	20	yes
B134	B134S2S1	INORG	Selenium	7782-49-2	3.09		1.2		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B134	B134S2S1	INORG	Zinc	7440-66-6	92.7		0.806		89.55	3.15	160	EcoSSL Plants	0.6	0.02	yes
B134	B134S3S1	INORG	Barium	7440-39-3	90.8	J	0.0451		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B134	B134S3S1	INORG	Cobalt	7440-48-4	6.26		0.214		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B134	B134S3S1	INORG	Copper	7440-50-8	15.1		0.225		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B134	B134S3S1	INORG	Manganese	7439-96-5	280		0.316		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B134	B134S3S1	INORG	Selenium	7782-49-2	1.2	J	1.1		5.23	<BKG	0.52	EcoSSL Plants	2	<BKG	NO
B134	B134S3S1	INORG	Zinc	7440-66-6	38.5		0.744		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B134	B134S4S1	INORG	Antimony	7440-36-0	2.44	J	1.31		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
B134	B134S4S1	INORG	Barium	7440-39-3	171	J	0.262		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B134	B134S4S1	INORG	Cobalt	7440-48-4	19.8		0.249		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B134	B134S4S1	INORG	Copper	7440-50-8	50.2		0.262		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B134	B134S4S1	INORG	Manganese	7439-96-5	429		0.367		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B134	B134S4S1	INORG	Mercury	7439-97-6	0.0596	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B134	B134S4S1	INORG	Selenium	7782-49-2	5.93		1.29		5.23	0.7	0.52	EcoSSL Plants	10	1	NO
B134	B134S4S1	INORG	Zinc	7440-66-6	59.8		0.866		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B142	B142B1S1	INORG	Barium	7440-39-3	197		0.583		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B142	B142B1S1	INORG	Boron	7440-42-8	1.49	J	1.3		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B142	B142B1S1	INORG	Cobalt	7440-48-4	28.6		0.277		27.3	1.3	13	EcoSSL Plants	2	0.1	yes
B142	B142B1S1	INORG	Copper	7440-50-8	26.2	J-	0.291		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B142	B142B1S1	INORG	Manganese	7439-96-5	1,830		1.63		1,127	703	220	EcoSSL Plants	8	3	yes
B142	B142B1S1	INORG	Zinc	7440-66-6	44.7		0.961		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B142	B142B1S1DUP	INORG	Barium	7440-39-3	179		0.594		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B142	B142B1S1DUP	INORG	Boron	7440-42-8	2.23	J	1.32		8.22	<BKG	8.22	Background	0.3	<BKG	yes
B142	B142B1S1DUP	INORG	Cobalt	7440-48-4	26.6		0.282		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B142	B142B1S1DUP	INORG	Copper	7440-50-8	29.7	J-	0.297		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B142	B142B1S1DUP	INORG	Manganese	7439-96-5	1,440		0.831		1,127	313	220	EcoSSL Plants	7	1	yes
B142	B142B1S1DUP	INORG	Zinc	7440-66-6	47		0.98		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Barium	7440-39-3	213		0.511		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Boron	7440-42-8	4.76	J	1.14		8.22	<BKG	8.22	Background	0.6	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Cobalt	7440-48-4	20.3		0.243		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Copper	7440-50-8	57.3	J-	0.255		52.77	4.53	70	EcoSSL Plants	0.8	0.06	yes
B142	B142B2S1 Unspiked	INORG	Manganese	7439-96-5	754		0.715		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Molybdenum	7439-98-7	0.845	J	0.562		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Zinc	7440-66-6	46.4		0.843		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B142	B142B3S1	INORG	Barium	7440-39-3	283		0.515		235.76	47.24	500	ORNL Plants	0.6	0.09	yes
B142	B142B3S1	INORG	Cobalt	7440-48-4	25.9		0.245		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B142	B142B3S1	INORG	Copper	7440-50-8	43.3	J-	0.257		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B142	B142B3S1	INORG	Manganese	7439-96-5	1,740		1.44		1,127	613	220	EcoSSL Plants	8	3	yes
B142	B142B3S1	INORG	Molybdenum	7439-98-7	0.793	J	0.566		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B142	B142B3S1	INORG	Zinc	7440-66-6	38.2		0.849		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B142	B142B4S1	INORG	Barium	7440-39-3	151		0.519		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B142	B142B4S1	INORG	Boron	7440-42-8	8.26		1.16		8.22	0.04	8.22	Background	1	0.005	yes
B142	B142B4S1	INORG	Cobalt	7440-48-4	15.2		0.247		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B142	B142B4S1	INORG	Copper	7440-50-8	51.9	J-	0.26		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B142	B142B4S1	INORG	Manganese	7439-96-5	275		0.727		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B142	B142B4S1	INORG	Mercury	7439-97-6	0.0327	J	0.0151		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B142	B142B4S1	INORG	Zinc	7440-66-6	45.2		0.857		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B142	B142B2S1 Unspiked	Nitroaromatics	HMX	2691-41-0	1.4		0.32		--	no bkg	600	Exp EcoSSL	0.002	0.002	yes
B142	B142B2S1 Unspiked	Nitroaromatics	RDX	121-82-4	3.1	J	0.13		--	no bkg	99	Exp EcoSSL	0.03	0.03	yes
B142	B142B3S1	Nitroaromatics	RDX	121-82-4	5.4		0.13		--	no bkg	99	Exp EcoSSL	0.05	0.05	yes
B143	B143B1S1	INORG	Barium	7440-39-3	124		0.0593		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B143	B143B1S1	INORG	Boron	7440-42-8	1.6	J	1.32		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B143	B143B1S1	INORG	Cobalt	7440-48-4	7.44		0.282		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B143	B143B1S1	INORG	Copper	7440-50-8	25.3		0.297		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B143	B143B1S1	INORG	Manganese	7439-96-5	314		0.415		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B143	B143B1S1	INORG	Zinc	7440-66-6	26.5		0.979		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B143	B143B2S1	INORG	Barium	7440-39-3	147		0.0611		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B143	B143B2S1	INORG	Cobalt	7440-48-4	3.46		0.29		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B143	B143B2S1	INORG	Copper	7440-50-8	19.3		0.306		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B143	B143B2S1	INORG	Manganese	7439-96-5	35.8		0.0856		1,127	<BKG	220	EcoSSL Plants	0.2	<BKG	yes
B143	B143B2S1	INORG	Zinc	7440-66-6	42.1		1.01		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B143	B143B3S1	INORG	Barium	7440-39-3	111		0.0614		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B143	B143B3S1	INORG	Cobalt	7440-48-4	6.39		0.292		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B143	B143B3S1	INORG	Copper	7440-50-8	25.4		0.307		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B143	B143B3S1	INORG	Manganese	7439-96-5	42.9		0.086		1,127	<BKG	220	EcoSSL Plants	0.2	<BKG	yes
B143	B143B3S1	INORG	Zinc	7440-66-6	39.5		1.01		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B144	B144B1S1	INORG	Barium	7440-39-3	335		0.266		235.76	99.24	500	ORNL Plants	0.7	0.2	yes
B144	B144B1S1	INORG	Cobalt	7440-48-4	25.2		1.26		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B144	B144B1S1	INORG	Copper	7440-50-8	32.3		1.33		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B144	B144B1S1	INORG	Manganese	7439-96-5	1,380		1.49		1,127	253	220	EcoSSL Plants	6	1	yes
B144	B144B1S1	INORG	Zinc	7440-66-6	175		4.39		89.55	85.45	160	EcoSSL Plants	1	0.5	yes
B144	B144S1S1	INORG	Barium	7440-39-3	182		0.0473		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B144	B144S1S1	INORG	Boron	7440-42-8	8.24		1.05		8.22	0.02	8.22	Background	1	0.002	yes
B144	B144S1S1	INORG	Cobalt	7440-48-4	15.7		0.225		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B144	B144S1S1	INORG	Copper	7440-50-8	29.9		0.236		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B144	B144S1S1	INORG	Mercury	7439-97-6	0.0197	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
B144	B144S1S1	INORG	Thallium	7440-28-0	5.05		1.71		4.1	0.95	4.1	Background	1	0.2	yes
B144	B144S1S1	INORG	Zinc	7440-66-6	93		0.78		89.55	3.45	160	EcoSSL Plants	0.6	0.02	yes
B144	B144S1S1DUP	INORG	Barium	7440-39-3	188		0.0452		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B144	B144S1S1DUP	INORG	Boron	7440-42-8	8.9		1.01		8.22	0.68	8.22	Background	1	0.08	yes
B144	B144S1S1DUP	INORG	Cobalt	7440-48-4	17		0.215		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B144	B144S1S1DUP	INORG	Copper	7440-50-8	28.8		0.226		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B144	B144S1S1DUP	INORG	Manganese	7439-96-5	700		1.27		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B144	B144S1S1DUP	INORG	Mercury	7439-97-6	0.0165	J	0.0126		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B144	B144S1S1DUP	INORG	Thallium	7440-28-0	4.72		1.64		4.1	0.62	4.1	Background	1	0.2	yes
B144	B144S1S1DUP	INORG	Zinc	7440-66-6	92		0.746		89.55	2.45	160	EcoSSL Plants	0.6	0.02	yes
B146	B146B1S1	INORG	Barium	7440-39-3	75	J	0.0454		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B146	B146B1S1	INORG	Cobalt	7440-48-4	13.7		0.215		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B146	B146B1S1	INORG	Copper	7440-50-8	55.5		0.227		52.77	2.73	70	EcoSSL Plants	0.8	0.04	yes
B146	B146B1S1	INORG	Manganese	7439-96-5	650		0.635		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B146	B146B1S1	INORG	Mercury	7439-97-6	0.0645	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B146	B146B1S1	INORG	Molybdenum	7439-98-7	6.66		0.499		1.96	4.7	2	ORNL Plants	3	2	yes
B146	B146B1S1	INORG	Thallium	7440-28-0	3.47		1.64		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B146	B146B1S1	INORG	Zinc	7440-66-6	49.1	J	0.771		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B146	B146B3S1	INORG	Barium	7440-39-3	79.5	J	0.0472		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B146	B146B3S1	INORG	Boron	7440-42-8	1.38	J	1.05		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B146	B146B3S1	INORG	Cobalt	7440-48-4	6.46		0.224		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B146	B146B3S1	INORG	Copper	7440-50-8	5.52		0.236		52.77	<BKG	70	EcoSSL Plants	0.08	<BKG	yes
B146	B146B3S1	INORG	Manganese	7439-96-5	186		0.0661		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B146	B146B3S1	INORG	Mercury	7439-97-6	0.0454	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B146	B146B3S1	INORG	Thallium	7440-28-0	2.61	J	1.71		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B146	B146B3S1	INORG	Zinc	7440-66-6	39.1	J	0.779		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B147	B147B10S1	INORG	Barium	7440-39-3	93.7		0.0507		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B10S1	INORG	Boron	7440-42-8	10.9		1.13		8.22	2.68	8.22	Background	1	0.3	yes
B147	B147B10S1	INORG	Cobalt	7440-48-4	9.16	J	0.241		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B147	B147B10S1	INORG	Copper	7440-50-8	25.9	J	0.254		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B147	B147B10S1	INORG	Manganese	7439-96-5	183	J	0.355		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B147	B147B10S1	INORG	Mercury	7439-97-6	0.0781	J	0.0141		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B147	B147B10S1	INORG	Selenium	7782-49-2	1.26	J	1.24		5.23	<BKG	0.52	EcoSSL Plants	2	<BKG	NO
B147	B147B10S1	INORG	Zinc	7440-66-6	46.2	J	0.837		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B147	B147B11S1	INORG	Barium	7440-39-3	110		0.051		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B147	B147B11S1	INORG	Boron	7440-42-8	13.9		1.14		8.22	5.68	8.22	Background	2	0.7	yes
B147	B147B11S1	INORG	Cobalt	7440-48-4	12.6	J	0.242		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B147	B147B11S1	INORG	Copper	7440-50-8	59.3	J	0.255		52.77	6.53	70	EcoSSL Plants	0.8	0.09	yes
B147	B147B11S1	INORG	Manganese	7439-96-5	216	J	0.357		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B147	B147B11S1	INORG	Mercury	7439-97-6	0.113	J	0.0147		0.09	0.023	0.3	ORNL Plants	0.4	0.08	yes
B147	B147B11S1	INORG	Selenium	7782-49-2	1.37	J	1.25		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B147	B147B11S1	INORG	Zinc	7440-66-6	112	J	0.842		89.55	22.45	160	EcoSSL Plants	0.7	0.1	yes
B147	B147B12S1	INORG	Barium	7440-39-3	78.6		0.049		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B12S1	INORG	Boron	7440-42-8	12.8		1.09		8.22	4.58	8.22	Background	2	0.6	yes
B147	B147B12S1	INORG	Cobalt	7440-48-4	10.2	J	0.233		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B147	B147B12S1	INORG	Copper	7440-50-8	27.6	J	0.245		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B147	B147B12S1	INORG	Manganese	7439-96-5	222	J	0.343		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B147	B147B12S1	INORG	Mercury	7439-97-6	0.0619	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B147	B147B12S1	INORG	Zinc	7440-66-6	36	J	0.808		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B147	B147B1S1	INORG	Barium	7440-39-3	109		0.0504		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B1S1	INORG	Boron	7440-42-8	12.5	J	5.61		8.22	4.28	8.22	Background	2	0.5	yes
B147	B147B1S1	INORG	Cobalt	7440-48-4	17.9	J	0.239		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B147	B147B1S1	INORG	Copper	7440-50-8	66.4	J	0.252		52.77	13.63	70	EcoSSL Plants	0.9	0.2	yes
B147	B147B1S1	INORG	Manganese	7439-96-5	442	J	0.353		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B147	B147B1S1	INORG	Mercury	7439-97-6	0.266		0.0136		0.09	0.176	0.3	ORNL Plants	0.9	0.6	yes
B147	B147B1S1	INORG	Selenium	7782-49-2	1.61	J	1.23		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B147	B147B1S1	INORG	Zinc	7440-66-6	52.9	J	0.831		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B147	B147B2S1	INORG	Barium	7440-39-3	392		0.294		235.76	156.24	500	ORNL Plants	0.8	0.3	yes
B147	B147B2S1	INORG	Boron	7440-42-8	4.12	J	1.31		8.22	<BKG	8.22	Background	0.5	<BKG	yes
B147	B147B2S1	INORG	Cobalt	7440-48-4	18.8		0.279		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B147	B147B2S1	INORG	Copper	7440-50-8	43.1		0.294		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B147	B147B2S1	INORG	Manganese	7439-96-5	620		0.0822		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B147	B147B2S1	INORG	Zinc	7440-66-6	174		4.62		89.55	84.45	160	EcoSSL Plants	1	0.5	yes
B147	B147B3S1	INORG	Barium	7440-39-3	102		0.0471		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B3S1	INORG	Boron	7440-42-8	9.88	J	5.24		8.22	1.66	8.22	Background	1	0.2	yes
B147	B147B3S1	INORG	Cobalt	7440-48-4	9.44	J	0.224		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B147	B147B3S1	INORG	Copper	7440-50-8	31.8	J	0.235		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B147	B147B3S1	INORG	Manganese	7439-96-5	168	J	0.33		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B147	B147B3S1	INORG	Mercury	7439-97-6	0.0282	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
B147	B147B3S1	INORG	Selenium	7782-49-2	1.69	J	1.15		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B147	B147B3S1	INORG	Zinc	7440-66-6	41.9	J	0.777		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B147	B147B4S1	INORG	Barium	7440-39-3	106		0.0509		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B4S1	INORG	Boron	7440-42-8	14.9		1.13		8.22	6.68	8.22	Background	2	0.8	yes
B147	B147B4S1	INORG	Cobalt	7440-48-4	12	J	0.242		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B147	B147B4S1	INORG	Copper	7440-50-8	31.4	J	0.255		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B147	B147B4S1	INORG	Manganese	7439-96-5	330	J	0.356		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B147	B147B4S1	INORG	Mercury	7439-97-6	0.0352	J	0.0143		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B147	B147B4S1	INORG	Perchlorate	14797-73-0	0.0054	J	0.0027		--	no bkg	4	NCEA	0.001	0.001	yes
B147	B147B4S1	INORG	Zinc	7440-66-6	408	J	4.2		89.55	318.45	160	EcoSSL Plants	3	2	yes
B147	B147B5S1	INORG	Barium	7440-39-3	132		0.0671		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B147	B147B5S1	INORG	Cobalt	7440-48-4	5.27		0.319		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B147	B147B5S1	INORG	Copper	7440-50-8	22.1		0.335		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B147	B147B5S1	INORG	Manganese	7439-96-5	95.4		0.0939		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B147	B147B5S1	INORG	Zinc	7440-66-6	105		1.14		89.55	15.45	160	EcoSSL Plants	0.7	0.1	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B147	B147B6S1	INORG	Barium	7440-39-3	82.2		0.049		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B6S1	INORG	Boron	7440-42-8	3.08	J	1.09		8.22	<BKG	8.22	Background	0.4	<BKG	yes
B147	B147B6S1	INORG	Cobalt	7440-48-4	9.74		0.233		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B147	B147B6S1	INORG	Copper	7440-50-8	22.8		0.245		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B147	B147B6S1	INORG	Manganese	7439-96-5	230		0.343		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B147	B147B6S1	INORG	Zinc	7440-66-6	42.5		0.808		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B147	B147B6S1DUP	INORG	Barium	7440-39-3	80		0.0475		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B6S1DUP	INORG	Boron	7440-42-8	3.56	J	1.06		8.22	<BKG	8.22	Background	0.4	<BKG	yes
B147	B147B6S1DUP	INORG	Cobalt	7440-48-4	11		0.226		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B147	B147B6S1DUP	INORG	Copper	7440-50-8	21.3		0.238		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B147	B147B6S1DUP	INORG	Manganese	7439-96-5	263		0.333		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B147	B147B6S1DUP	INORG	Zinc	7440-66-6	37.9		0.792		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B147	B147B7S1	INORG	Barium	7440-39-3	76.2		0.0547		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B7S1	INORG	Boron	7440-42-8	10.4	J	6.09		8.22	2.18	8.22	Background	1	0.3	yes
B147	B147B7S1	INORG	Cobalt	7440-48-4	8.24	J	0.26		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B147	B147B7S1	INORG	Copper	7440-50-8	32.6	J	0.274		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B147	B147B7S1	INORG	Manganese	7439-96-5	113	J	0.0766		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B147	B147B7S1	INORG	Mercury	7439-97-6	0.0411	J	0.0155		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B147	B147B7S1	INORG	Selenium	7782-49-2	2.02	J	1.34		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B147	B147B7S1	INORG	Zinc	7440-66-6	60.8	J	0.903		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B147	B147B8S1	INORG	Barium	7440-39-3	79.1		0.0497		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B8S1	INORG	Boron	7440-42-8	14		1.1		8.22	5.78	8.22	Background	2	0.7	yes
B147	B147B8S1	INORG	Cobalt	7440-48-4	8.28	J	0.236		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B147	B147B8S1	INORG	Copper	7440-50-8	29.3	J	0.248		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B147	B147B8S1	INORG	Manganese	7439-96-5	146	J	0.348		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B147	B147B8S1	INORG	Mercury	7439-97-6	0.044	J	0.0147		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B147	B147B8S1	INORG	Zinc	7440-66-6	68.6	J	0.819		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B147	B147B9S1	INORG	Barium	7440-39-3	83.9		0.0495		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B147	B147B9S1	INORG	Boron	7440-42-8	7.89		1.1		8.22	<BKG	8.22	Background	1	<BKG	yes
B147	B147B9S1	INORG	Cobalt	7440-48-4	8.59	J	0.235		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B147	B147B9S1	INORG	Copper	7440-50-8	56.9	J	0.248		52.77	4.13	70	EcoSSL Plants	0.8	0.06	yes
B147	B147B9S1	INORG	Manganese	7439-96-5	119	J	0.0693		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B147	B147B9S1	INORG	Mercury	7439-97-6	0.0343	J	0.0139		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B147	B147B9S1	INORG	Zinc	7440-66-6	119	J	0.817		89.55	29.45	160	EcoSSL Plants	0.7	0.2	yes
B147	B147B5S1	Nitroaromatics	RDX	121-82-4	0.29	J	0.17		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
B147	B147B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.59		0.14		--	no bkg	16	Exp EcoSSL	0.04	0.04	yes
B147	B147B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.35	J	0.13		--	no bkg	16	Exp EcoSSL	0.02	0.02	yes
B148	B148B1S1	INORG	Barium	7440-39-3	123		0.238		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B148	B148B1S1	INORG	Cobalt	7440-48-4	12		0.226		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B148	B148B1S1	INORG	Copper	7440-50-8	6.35		0.238		52.77	<BKG	70	EcoSSL Plants	0.09	<BKG	yes
B148	B148B1S1	INORG	Manganese	7439-96-5	426		0.333		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B148	B148B1S1	INORG	Mercury	7439-97-6	0.0484	J	0.0128		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B148	B148B1S1	INORG	Selenium	7782-49-2	1.93	J	1.17		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B148	B148B1S1	INORG	Thallium	7440-28-0	2.6	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B148	B148B1S1	INORG	Zinc	7440-66-6	52.1		0.785		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B148	B148B2S1	INORG	Antimony	7440-36-0	1.27	J	1.18		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B148	B148B2S1	INORG	Barium	7440-39-3	144		0.236		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B148	B148B2S1	INORG	Cobalt	7440-48-4	12.3	J	0.225		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B148	B148B2S1	INORG	Manganese	7439-96-5	483	J	0.331		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B148	B148B2S1	INORG	Mercury	7439-97-6	0.0324	J	0.0131		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B148	B148B2S1	INORG	Thallium	7440-28-0	2.03	J	1.71		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B148	B148B2S1	INORG	Zinc	7440-66-6	61.4		0.78		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B148	B148B2S1DUP	INORG	Barium	7440-39-3	138		0.231		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B148	B148B2S1DUP	INORG	Cobalt	7440-48-4	363	J	1.1		27.3	335.7	13	EcoSSL Plants	30	30	yes
B148	B148B2S1DUP	INORG	Copper	7440-50-8	3.08	J	0.231		52.77	<BKG	70	EcoSSL Plants	0.04	<BKG	yes
B148	B148B2S1DUP	INORG	Manganese	7439-96-5	1,840	J	1.29		1,127	713	220	EcoSSL Plants	8	3	yes
B148	B148B2S1DUP	INORG	Mercury	7439-97-6	0.0252	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B148	B148B2S1DUP	INORG	Selenium	7782-49-2	1.63	J	1.13		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B148	B148B2S1DUP	INORG	Zinc	7440-66-6	63.9		0.763		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B148	B148B3S1	INORG	Barium	7440-39-3	134		0.254		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B148	B148B3S1	INORG	Cobalt	7440-48-4	16.9		0.241		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B148	B148B3S1	INORG	Copper	7440-50-8	12.7		0.254		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B148	B148B3S1	INORG	Manganese	7439-96-5	502		0.355		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B148	B148B3S1	INORG	Mercury	7439-97-6	0.0853	J	0.0146		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B148	B148B3S1	INORG	Molybdenum	7439-98-7	0.656	J	0.558		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B148	B148B3S1	INORG	Selenium	7782-49-2	2.18	J	1.24		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B148	B148B3S1	INORG	Thallium	7440-28-0	4.14		1.84		4.1	0.04	4.1	Background	1	0.01	yes
B148	B148B3S1	INORG	Zinc	7440-66-6	71.9		0.837		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B149	B149B1S1	INORG	Antimony	7440-36-0	2.9	J	1.18		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B149	B149B1S1	INORG	Barium	7440-39-3	110		0.0474		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B149	B149B1S1	INORG	Boron	7440-42-8	13.9		1.05		8.22	5.68	8.22	Background	2	0.7	yes
B149	B149B1S1	INORG	Cobalt	7440-48-4	10.7		0.225		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B149	B149B1S1	INORG	Copper	7440-50-8	30.2		0.237		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B149	B149B1S1	INORG	Manganese	7439-96-5	302	J	0.0664		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B149	B149B1S1	INORG	Mercury	7439-97-6	0.0772	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B149	B149B1S1	INORG	Selenium	7782-49-2	2.64		1.16		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B149	B149B1S1	INORG	Zinc	7440-66-6	73.2		0.782		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B149	B149B2S1	INORG	Antimony	7440-36-0	2.15	J	1.23		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B149	B149B2S1	INORG	Barium	7440-39-3	112		0.0491		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B149	B149B2S1	INORG	Boron	7440-42-8	15.7		1.09		8.22	7.48	8.22	Background	2	0.9	yes
B149	B149B2S1	INORG	Cobalt	7440-48-4	18.3		0.233		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B149	B149B2S1	INORG	Copper	7440-50-8	33.7		0.246		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B149	B149B2S1	INORG	Manganese	7439-96-5	521	J	0.0688		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B149	B149B2S1	INORG	Mercury	7439-97-6	0.0784	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B149	B149B2S1	INORG	Selenium	7782-49-2	3.15		1.2		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B149	B149B2S1	INORG	Zinc	7440-66-6	77.8		0.811		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B149	B149B3S1	INORG	Antimony	7440-36-0	1.63	J	1.18		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B149	B149B3S1	INORG	Barium	7440-39-3	40.6		0.0472		235.76	<BKG	500	ORNL Plants	0.08	<BKG	yes
B149	B149B3S1	INORG	Boron	7440-42-8	11.9		1.05		8.22	3.68	8.22	Background	1	0.4	yes
B149	B149B3S1	INORG	Cobalt	7440-48-4	3.08		0.224		27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B149	B149B3S1	INORG	Copper	7440-50-8	14.9		0.236		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B149	B149B3S1	INORG	Manganese	7439-96-5	76.4	J	0.0661		1,127	<BKG	220	EcoSSL Plants	0.3	<BKG	yes
B149	B149B3S1	INORG	Mercury	7439-97-6	0.0369	J	0.0134		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B149	B149B3S1	INORG	Selenium	7782-49-2	1.5	J	1.16		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B149	B149B3S1	INORG	Zinc	7440-66-6	24.6		0.779		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B149	B149B4S1	INORG	Barium	7440-39-3	85.5		0.0486		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B149	B149B4S1	INORG	Boron	7440-42-8	9.78		1.08		8.22	1.56	8.22	Background	1	0.2	yes
B149	B149B4S1	INORG	Cobalt	7440-48-4	6.96		0.231		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B149	B149B4S1	INORG	Copper	7440-50-8	12.1		0.243		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B149	B149B4S1	INORG	Manganese	7439-96-5	205	J	0.068		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B149	B149B4S1	INORG	Mercury	7439-97-6	0.0433	J	0.0136		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B149	B149B4S1	INORG	Zinc	7440-66-6	33.1		0.802		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B149	B149B5S1	INORG	Barium	7440-39-3	71.9		0.045		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B149	B149B5S1	INORG	Boron	7440-42-8	7.88		1		8.22	<BKG	8.22	Background	1	<BKG	yes
B149	B149B5S1	INORG	Cobalt	7440-48-4	6.56		0.214		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B149	B149B5S1	INORG	Copper	7440-50-8	6.76		0.225		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B149	B149B5S1	INORG	Manganese	7439-96-5	261	J	0.063		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B149	B149B5S1	INORG	Mercury	7439-97-6	0.0781	J	0.013		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B149	B149B5S1	INORG	Selenium	7782-49-2	1.11	J	1.1		5.23	<BKG	0.52	EcoSSL Plants	2	<BKG	NO
B149	B149B5S1	INORG	Zinc	7440-66-6	20.2		0.742		89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B149	B149S1S1	INORG	Antimony	7440-36-0	2.27	J	1.25		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
B149	B149S1S1	INORG	Barium	7440-39-3	113		0.0498		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B149	B149S1S1	INORG	Boron	7440-42-8	14.6		1.11		8.22	6.38	8.22	Background	2	0.8	yes
B149	B149S1S1	INORG	Cobalt	7440-48-4	12.9		0.237		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B149	B149S1S1	INORG	Copper	7440-50-8	29.1		0.249		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B149	B149S1S1	INORG	Manganese	7439-96-5	459	J	0.0697		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B149	B149S1S1	INORG	Mercury	7439-97-6	0.0684	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B149	B149S1S1	INORG	Selenium	7782-49-2	2.22	J	1.22		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
B149	B149S1S1	INORG	Zinc	7440-66-6	81.3		0.822		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
B149	B149S1S1DUP	INORG	Antimony	7440-36-0	2.8	J	1.24		5.09	<BKG	5	ORNL Plants	0.6	<BKG	yes
B149	B149S1S1DUP	INORG	Barium	7440-39-3	125		0.0498		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B149	B149S1S1DUP	INORG	Boron	7440-42-8	14.6		1.11		8.22	6.38	8.22	Background	2	0.8	yes
B149	B149S1S1DUP	INORG	Cobalt	7440-48-4	12.1		0.236		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
B149	B149S1S1DUP	INORG	Copper	7440-50-8	31.9		0.249		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
B149	B149S1S1DUP	INORG	Manganese	7439-96-5	881	J	0.697		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B149	B149S1S1DUP	INORG	Mercury	7439-97-6	0.0715	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B149	B149S1S1DUP	INORG	Selenium	7782-49-2	2.86		1.22		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B149	B149S1S1DUP	INORG	Zinc	7440-66-6	104		0.821		89.55	14.45	160	EcoSSL Plants	0.7	0.09	yes
B150151	B150151B1S1	INORG	Barium	7440-39-3	58.3	J	0.0521		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B150151	B150151B1S1	INORG	Boron	7440-42-8	1.49	J	1.16		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B150151	B150151B1S1	INORG	Cobalt	7440-48-4	5.38		0.247		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B150151	B150151B1S1	INORG	Copper	7440-50-8	14.5		0.26		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B150151	B150151B1S1	INORG	Manganese	7439-96-5	127	J-	0.0729		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
B150151	B150151B1S1	INORG	Mercury	7439-97-6	0.0508	J	0.015		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B150151	B150151B1S1	INORG	Molybdenum	7439-98-7	8.53	J	0.573		1.96	6.57	2	ORNL Plants	4	3	yes
B150151	B150151B1S1	INORG	Thallium	7440-28-0	2.11	J	1.89		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B150151	B150151B1S1	INORG	Zinc	7440-66-6	228	J	4.34		89.55	138.45	160	EcoSSL Plants	1	0.9	yes
B150151	B150151B1S1DUP	INORG	Barium	7440-39-3	71.2	J	0.0516		235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B150151	B150151B1S1DUP	INORG	Cobalt	7440-48-4	5.86		0.245		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B150151	B150151B1S1DUP	INORG	Copper	7440-50-8	19.9		0.258		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B150151	B150151B1S1DUP	INORG	Manganese	7439-96-5	131	J-	0.0722		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
B150151	B150151B1S1DUP	INORG	Mercury	7439-97-6	0.0532	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B150151	B150151B1S1DUP	INORG	Molybdenum	7439-98-7	4.63	J	0.567		1.96	2.67	2	ORNL Plants	2	1	yes
B150151	B150151B1S1DUP	INORG	Thallium	7440-28-0	2.53	J	1.87		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B150151	B150151B1S1DUP	INORG	Zinc	7440-66-6	402	J	4.38		89.55	312.45	160	EcoSSL Plants	3	2	yes
B150151	B150151B2S1	INORG	Barium	7440-39-3	79	J	0.0466		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B150151	B150151B2S1	INORG	Cobalt	7440-48-4	6.38		0.221		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B150151	B150151B2S1	INORG	Copper	7440-50-8	9.44		0.233		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B150151	B150151B2S1	INORG	Manganese	7439-96-5	193	J-	0.0652		1,127	<BKG	220	EcoSSL Plants	0.9	<BKG	yes
B150151	B150151B2S1	INORG	Mercury	7439-97-6	0.062	J	0.0137		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B150151	B150151B2S1	INORG	Molybdenum	7439-98-7	0.705	J	0.512		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B150151	B150151B2S1	INORG	Thallium	7440-28-0	2.75	J	1.69		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B150151	B150151B2S1	INORG	Zinc	7440-66-6	108	J	0.791		89.55	18.45	160	EcoSSL Plants	0.7	0.1	yes
B150151	B150151B3S1	INORG	Barium	7440-39-3	127	J	0.0474		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B150151	B150151B3S1	INORG	Cobalt	7440-48-4	5.4		0.225		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B150151	B150151B3S1	INORG	Copper	7440-50-8	8.02		0.237		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
B150151	B150151B3S1	INORG	Manganese	7439-96-5	150	J-	0.0664		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B150151	B150151B3S1	INORG	Mercury	7439-97-6	0.0301	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B150151	B150151B3S1	INORG	Thallium	7440-28-0	2.43	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B150151	B150151B3S1	INORG	Zinc	7440-66-6	49.3	J	0.783		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B150151	B150151B1S1DUP	Nitroaromatics	RDX	121-82-4	0.21	J	0.13		--	no bkg	99	Exp EcoSSL	0.002	0.002	yes
B152	B152S1S1	INORG	Barium	7440-39-3	141		0.24		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B152	B152S1S1	INORG	Boron	7440-42-8	22.8	J	5.33		8.22	14.58	8.22	Background	3	2	yes
B152	B152S1S1	INORG	Cobalt	7440-48-4	10.2		1.14		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B152	B152S1S1	INORG	Copper	7440-50-8	18.9		1.2		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B152	B152S1S1	INORG	Manganese	7439-96-5	556		0.335		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B152	B152S1S1	INORG	Mercury	7439-97-6	0.115	J	0.0136		0.09	0.025	0.3	ORNL Plants	0.4	0.08	yes
B152	B152S1S1	INORG	Selenium	7782-49-2	7.91	J	5.87		5.23	2.68	0.52	EcoSSL Plants	20	5	NO
B152	B152S1S1	INORG	Zinc	7440-66-6	40.3		3.95		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B152	B152S2S1	INORG	Barium	7440-39-3	101		0.0485		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B152	B152S2S1	INORG	Boron	7440-42-8	12.2		1.08		8.22	3.98	8.22	Background	1	0.5	yes
B152	B152S2S1	INORG	Cobalt	7440-48-4	10.7		0.23		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B152	B152S2S1	INORG	Copper	7440-50-8	23		0.242		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B152	B152S2S1	INORG	Mercury	7439-97-6	0.0954	J	0.0138		0.09	0.0054	0.3	ORNL Plants	0.3	0.02	yes
B152	B152S2S1	INORG	Thallium	7440-28-0	4.11		1.76		4.1	0.01	4.1	Background	1	0.002	yes
B152	B152S2S1	INORG	Zinc	7440-66-6	36.2		0.8		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B152	B152S3S1	INORG	Barium	7440-39-3	95.4		0.0517		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B152	B152S3S1	INORG	Cobalt	7440-48-4	5.44		1.23		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B152	B152S3S1	INORG	Copper	7440-50-8	19.3		1.29		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B152	B152S3S1	INORG	Manganese	7439-96-5	146		0.362		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B152	B152S3S1	INORG	Mercury	7439-97-6	0.22		0.015		0.09	0.13	0.3	ORNL Plants	0.7	0.4	yes
B152	B152S3S1	INORG	Molybdenum	7439-98-7	0.792	J	0.568		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B152	B152S3S1	INORG	Zinc	7440-66-6	46.5		4.26		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B152	B152S3S1	Nitroaromatics	RDX	121-82-4	0.49		0.13		--	no bkg	99	Exp EcoSSL	0.005	0.005	yes
B153	B153B1S1	INORG	Barium	7440-39-3	84.8		0.0494		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B153	B153B1S1	INORG	Cobalt	7440-48-4	9.59		0.235		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B153	B153B1S1	INORG	Copper	7440-50-8	26.5		0.245		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B153	B153B1S1	INORG	Manganese	7439-96-5	235		0.346		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B153	B153B1S1	INORG	Mercury	7439-97-6	0.058	J	0.0141		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B153	B153B1S1	INORG	Thallium	7440-28-0	4.03	J	1.79		4.1	<BKG	4.1	Background	1	<BKG	yes
B153	B153B1S1	INORG	Zinc	7440-66-6	53.9		0.816		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B153	B153B1S1DUP	INORG	Barium	7440-39-3	90.7		0.0481		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B153	B153B1S1DUP	INORG	Cobalt	7440-48-4	10.5		0.228		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B153	B153B1S1DUP	INORG	Copper	7440-50-8	25.4		0.24		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B153	B153B1S1DUP	INORG	Manganese	7439-96-5	287		0.336		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B153	B153B1S1DUP	INORG	Mercury	7439-97-6	0.0481	J	0.0132		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B153	B153B1S1DUP	INORG	Thallium	7440-28-0	4.51	J	1.74		4.1	0.41	4.1	Background	1	0.1	yes
B153	B153B1S1DUP	INORG	Zinc	7440-66-6	56.1		0.793		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B153	B153B2S1	INORG	Barium	7440-39-3	101		0.227		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B153	B153B2S1	INORG	Boron	7440-42-8	1.39	J	1.05		8.22	<BKG	8.22	Background	0.2	<BKG	yes
B153	B153B2S1	INORG	Cobalt	7440-48-4	9.8		1.08		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B153	B153B2S1	INORG	Copper	7440-50-8	25.1		1.18		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
B153	B153B2S1	INORG	Manganese	7439-96-5	254		0.318		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
B153	B153B2S1	INORG	Mercury	7439-97-6	0.05	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B153	B153B2S1	INORG	Zinc	7440-66-6	61.4		3.75		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B153	B153B3S1	INORG	Barium	7440-39-3	45.8		0.0509		235.76	<BKG	500	ORNL Plants	0.09	<BKG	yes
B153	B153B3S1	INORG	Cobalt	7440-48-4	5.42		0.242		27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B153	B153B3S1	INORG	Copper	7440-50-8	18.2		0.245		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B153	B153B3S1	INORG	Manganese	7439-96-5	66.6		0.0712		1,127	<BKG	220	EcoSSL Plants	0.3	<BKG	yes
B153	B153B3S1	INORG	Mercury	7439-97-6	0.039	J	0.0142		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B153	B153B3S1	INORG	Thallium	7440-28-0	4.25	J	1.84		4.1	0.15	4.1	Background	1	0.04	yes
B153	B153B3S1	INORG	Zinc	7440-66-6	31.8		0.84		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B153	B153S1S1	INORG	Barium	7440-39-3	88.9		0.0532		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B153	B153S1S1	INORG	Cobalt	7440-48-4	7.92		0.253		27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B153	B153S1S1	INORG	Copper	7440-50-8	10.8		0.263		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B153	B153S1S1	INORG	Manganese	7439-96-5	392		0.372		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B153	B153S1S1	INORG	Mercury	7439-97-6	0.0308	J	0.0153		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B153	B153S1S1	INORG	Zinc	7440-66-6	281		4.39		89.55	191.45	160	EcoSSL Plants	2	1	yes
B154	B154B1S1	INORG	Barium	7440-39-3	269		0.226		235.76	33.24	500	ORNL Plants	0.5	0.07	yes
B154	B154B1S1	INORG	Boron	7440-42-8	19.3	J	5.03		8.22	11.08	8.22	Background	2	1	yes
B154	B154B1S1	INORG	Cobalt	7440-48-4	29.4		1.07		27.3	2.1	13	EcoSSL Plants	2	0.2	yes
B154	B154B1S1	INORG	Copper	7440-50-8	72.3		1.13		52.77	19.53	70	EcoSSL Plants	1	0.3	yes
B154	B154B1S1	INORG	Manganese	7439-96-5	1,690	J-	1.27		1,127	563	220	EcoSSL Plants	8	3	yes
B154	B154B1S1	INORG	Molybdenum	7439-98-7	1.61		0.497		1.96	<BKG	2	ORNL Plants	0.8	<BKG	yes
B154	B154B1S1	INORG	Thallium	7440-28-0	11.8	J	8.19		4.1	7.7	4.1	Background	3	2	NO
B154	B154B1S1	INORG	Zinc	7440-66-6	186		3.73		89.55	96.45	160	EcoSSL Plants	1	0.6	yes
B154	B154S1S1	INORG	Barium	7440-39-3	83.8		0.0488		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B154	B154S1S1	INORG	Boron	7440-42-8	14.8		1.09		8.22	6.58	8.22	Background	2	0.8	yes
B154	B154S1S1	INORG	Cobalt	7440-48-4	6.08		0.232		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
B154	B154S1S1	INORG	Copper	7440-50-8	13.2		0.244		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
B154	B154S1S1	INORG	Manganese	7439-96-5	147	J-	0.0684		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
B154	B154S1S1	INORG	Mercury	7439-97-6	0.0182	J	0.0135		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
B154	B154S1S1	INORG	Selenium	7782-49-2	1.31	J	1.2		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
B154	B154S1S1	INORG	Thallium	7440-28-0	2.01	J	1.77		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B154	B154S1S1	INORG	Zinc	7440-66-6	41.8		0.806		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B154	B154S2S1	INORG	Barium	7440-39-3	200		0.229		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B154	B154S2S1	INORG	Boron	7440-42-8	14.7	J	5.09		8.22	6.48	8.22	Background	2	0.8	yes
B154	B154S2S1	INORG	Cobalt	7440-48-4	30.9		1.09		27.3	3.6	13	EcoSSL Plants	2	0.3	yes
B154	B154S2S1	INORG	Copper	7440-50-8	63.6		1.14		52.77	10.83	70	EcoSSL Plants	0.9	0.2	yes
B154	B154S2S1	INORG	Manganese	7439-96-5	1,020	J-	0.64		1,127	<BKG	220	EcoSSL Plants	5	<BKG	yes
B154	B154S2S1	INORG	Zinc	7440-66-6	179		3.77		89.55	89.45	160	EcoSSL Plants	1	0.6	yes
B155	B155B1S1	INORG	Barium	7440-39-3	50.6		0.0509	5.015	235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
B155	B155B1S1	INORG	Boron	7440-42-8	10.7		1.13	5.015	8.22	2.48	8.22	Background	1	0.3	yes
B155	B155B1S1	INORG	Cobalt	7440-48-4	2.99		0.242	5.015	27.3	<BKG	13	EcoSSL Plants	0.2	<BKG	yes
B155	B155B1S1	INORG	Copper	7440-50-8	23.9		0.254	5.015	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B155	B155B1S1	INORG	Mercury	7439-97-6	0.0763	J	0.0148	5.015	0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
B155	B155B1S1	INORG	Molybdenum	7439-98-7	0.8	J	0.559	5.015	1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B155	B155B1S1	INORG	Zinc	7440-66-6	23.3		0.839	5.015	89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
B155	B155B2S1	INORG	Barium	7440-39-3	81.9		0.052	5.015	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B155	B155B2S1	INORG	Boron	7440-42-8	13.5		1.16	5.015	8.22	5.28	8.22	Background	2	0.6	yes
B155	B155B2S1	INORG	Cobalt	7440-48-4	5.07		0.247	5.015	27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
B155	B155B2S1	INORG	Copper	7440-50-8	20.2		0.26	5.015	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B155	B155B2S1	INORG	Mercury	7439-97-6	0.0345	J	0.015	5.015	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B155	B155B2S1	INORG	Molybdenum	7439-98-7	0.652	J	0.572	5.015	1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
B155	B155B2S1	INORG	Thallium	7440-28-0	2.34	J	1.88	5.015	4.1	<BKG	4.1	Background	0.6	<BKG	yes
B155	B155B2S1	INORG	Zinc	7440-66-6	32.9		0.858	5.015	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B155	B155B3S1	INORG	Barium	7440-39-3	88.2	J	0.0478	5.015	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B155	B155B3S1	INORG	Cobalt	7440-48-4	12.5		0.227	5.015	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B155	B155B3S1	INORG	Copper	7440-50-8	17.8		0.239	5.015	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B155	B155B3S1	INORG	Manganese	7439-96-5	563		0.067	5.015	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B155	B155B3S1	INORG	Mercury	7439-97-6	0.0241	J	0.0136	5.015	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B155	B155B3S1	INORG	Thallium	7440-28-0	3.93		1.73	5.015	4.1	<BKG	4.1	Background	1	<BKG	yes
B155	B155B3S1	INORG	Zinc	7440-66-6	48.3		0.813	5.015	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B155	B155B4S1	INORG	Barium	7440-39-3	226		0.242	5.015	235.76	<BKG	500	ORNL Plants	0.5	<BKG	yes
B155	B155B4S1	INORG	Cobalt	7440-48-4	24		1.15	5.015	27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B155	B155B4S1	INORG	Copper	7440-50-8	41.6		1.21	5.015	52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B155	B155B4S1	INORG	Manganese	7439-96-5	1,620		1.36	5.015	1,127	493	220	EcoSSL Plants	7	2	yes
B155	B155B4S1	INORG	Mercury	7439-97-6	0.0241	J	0.0133	5.015	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
B155	B155B4S1	INORG	Zinc	7440-66-6	51.9		4.04	5.015	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B155	B155S1S1	INORG	Barium	7440-39-3	155		0.247	5.015	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
B155	B155S1S1	INORG	Cobalt	7440-48-4	24.9		1.17	5.015	27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B155	B155S1S1	INORG	Copper	7440-50-8	42.4		1.23	5.015	52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B155	B155S1S1	INORG	Manganese	7439-96-5	579		0.346	5.015	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B155	B155S1S1	INORG	Mercury	7439-97-6	0.0497	J	0.0137	5.015	0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B155	B155S1S1	INORG	Molybdenum	7439-98-7	0.748	J	0.543	5.015	1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
B155	B155S1S1	INORG	Zinc	7440-66-6	36.4		4.07	5.015	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B155	B155S1S1DUP	INORG	Barium	7440-39-3	187		0.246	5.015	235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B155	B155S1S1DUP	INORG	Cobalt	7440-48-4	25.1		1.17	5.015	27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
B155	B155S1S1DUP	INORG	Copper	7440-50-8	42.6		1.23	5.015	52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
B155	B155S1S1DUP	INORG	Manganese	7439-96-5	591		0.345	5.015	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
B155	B155S1S1DUP	INORG	Mercury	7439-97-6	0.0369	J	0.0141	5.015	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B155	B155S1S1DUP	INORG	Zinc	7440-66-6	38.7		4.06	5.015	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
B155	B155S2S1	INORG	Barium	7440-39-3	95.9		0.0666	5.015	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B155	B155S2S1	INORG	Boron	7440-42-8	11.9		1.48	5.015	8.22	3.68	8.22	Background	1	0.4	yes
B155	B155S2S1	INORG	Cobalt	7440-48-4	8.28		0.316	5.015	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
B155	B155S2S1	INORG	Copper	7440-50-8	23.7		0.333	5.015	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B155	B155S2S1	INORG	Mercury	7439-97-6	0.046	J	0.0187	5.015	0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B155	B155S2S1	INORG	Zinc	7440-66-6	45.7		1.1	5.015	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B156	B156B1S1	INORG	Barium	7440-39-3	80.2		0.0573		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B156	B156B1S1	INORG	Boron	7440-42-8	14.4		1.28		8.22	6.18	8.22	Background	2	0.8	yes
B156	B156B1S1	INORG	Cobalt	7440-48-4	9.23		0.272		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B156	B156B1S1	INORG	Copper	7440-50-8	62.8		0.287		52.77	10.03	70	EcoSSL Plants	0.9	0.1	yes
B156	B156B1S1	INORG	Manganese	7439-96-5	480	J	0.401		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B156	B156B1S1	INORG	Mercury	7439-97-6	0.0223	J	0.0164		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
B156	B156B1S1	INORG	Selenium	7782-49-2	2.54	J	1.4		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B156	B156B1S1	INORG	Zinc	7440-66-6	185		4.73		89.55	95.45	160	EcoSSL Plants	1	0.6	yes
B156	B156S1S1	INORG	Antimony	7440-36-0	1.65	J	1.3		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
B156	B156S1S1	INORG	Barium	7440-39-3	96.2		0.0521		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B156	B156S1S1	INORG	Boron	7440-42-8	13		1.16		8.22	4.78	8.22	Background	2	0.6	yes
B156	B156S1S1	INORG	Cobalt	7440-48-4	9.12		0.247		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B156	B156S1S1	INORG	Copper	7440-50-8	22.2		0.26		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B156	B156S1S1	INORG	Manganese	7439-96-5	180	J	0.365		1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
B156	B156S1S1	INORG	Mercury	7439-97-6	0.0663	J	0.0149		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B156	B156S1S1	INORG	Selenium	7782-49-2	2.96		1.28		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B156	B156S1S1	INORG	Zinc	7440-66-6	63		0.859		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B156	B156S2S1	INORG	Antimony	7440-36-0	2.18	J	1.29		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
B156	B156S2S1	INORG	Barium	7440-39-3	92.6		0.0517		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B156	B156S2S1	INORG	Boron	7440-42-8	11.3		1.15		8.22	3.08	8.22	Background	1	0.4	yes
B156	B156S2S1	INORG	Cobalt	7440-48-4	10.1		0.246		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
B156	B156S2S1	INORG	Copper	7440-50-8	20.7		0.259		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B156	B156S2S1	INORG	Manganese	7439-96-5	118	J	0.0724		1,127	<BKG	220	EcoSSL Plants	0.5	<BKG	yes
B156	B156S2S1	INORG	Mercury	7439-97-6	0.0557	J	0.0145		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
B156	B156S2S1	INORG	Molybdenum	7439-98-7	0.943	J	0.569		1.96	<BKG	2	ORNL Plants	0.5	<BKG	yes
B156	B156S2S1	INORG	Selenium	7782-49-2	3.77		1.27		5.23	<BKG	0.52	EcoSSL Plants	7	<BKG	NO
B156	B156S2S1	INORG	Zinc	7440-66-6	42.3		0.854		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B-E-R	BERS1S1	INORG	Barium	7440-39-3	124		0.0555		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B-E-R	BERS1S1	INORG	Cobalt	7440-48-4	9.59	J	0.264		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
B-E-R	BERS1S1	INORG	Copper	7440-50-8	22.7		0.278		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
B-E-R	BERS1S1	INORG	Manganese	7439-96-5	382		0.389		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
B-E-R	BERS1S1	INORG	Mercury	7439-97-6	0.0415	J	0.0157		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
B-E-R	BERS1S1	INORG	Selenium	7782-49-2	2.56	J	1.36		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
B-E-R	BERS1S1	INORG	Zinc	7440-66-6	64.3		0.917		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
B-E-R	BERS2S1	INORG	Barium	7440-39-3	208		0.244		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
B-E-R	BERS2S1	INORG	Cobalt	7440-48-4	16.6	J	0.231		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
B-E-R	BERS2S1	INORG	Copper	7440-50-8	47.2		0.244		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
B-E-R	BERS2S1	INORG	Manganese	7439-96-5	894		1.36		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
B-E-R	BERS2S1	INORG	Selenium	7782-49-2	3.05		1.19		5.23	<BKG	0.52	EcoSSL Plants	6	<BKG	NO
B-E-R	BERS2S1	INORG	Zinc	7440-66-6	91.8		0.804		89.55	2.25	160	EcoSSL Plants	0.6	0.01	yes
B-E-R	BERS3S1	INORG	Barium	7440-39-3	93.7		0.0459		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B-E-R	BERS3S1	INORG	Cobalt	7440-48-4	3.57	J	0.218		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B-E-R	BERS3S1	INORG	Copper	7440-50-8	2.74		0.229		52.77	<BKG	70	EcoSSL Plants	0.04	<BKG	yes
B-E-R	BERS3S1	INORG	Manganese	7439-96-5	86.8		0.0643		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B-E-R	BERS3S1	INORG	Zinc	7440-66-6	50.2		0.757		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Barium	7440-39-3	96.9		0.0462		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Cobalt	7440-48-4	3.6	J	0.22		27.3	<BKG	13	EcoSSL Plants	0.3	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Copper	7440-50-8	3.04		0.231		52.77	<BKG	70	EcoSSL Plants	0.04	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Manganese	7439-96-5	87.8		0.0647		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Zinc	7440-66-6	52.1		0.763		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS10S1	INORG	Antimony	7440-36-0	2.53		1.21		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
BGS	BGS10S1	INORG	Barium	7440-39-3	154		0.242		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
BGS	BGS10S1	INORG	Cobalt	7440-48-4	9.22		0.23		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
BGS	BGS10S1	INORG	Copper	7440-50-8	39.1		0.266		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
BGS	BGS10S1	INORG	Manganese	7439-96-5	222	J	0.472		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
BGS	BGS10S1	INORG	Mercury	7439-97-6	0.055	J	0.0034		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
BGS	BGS10S1	INORG	Molybdenum	7439-98-7	0.873	J	0.544		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
BGS	BGS10S1	INORG	Zinc	7440-66-6	33.9		0.798		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS11S1	INORG	Antimony	7440-36-0	2.23	J	1.15		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
BGS	BGS11S1	INORG	Barium	7440-39-3	167		0.23		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
BGS	BGS11S1	INORG	Cobalt	7440-48-4	18.4		0.219		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS11S1	INORG	Copper	7440-50-8	29.1		0.253		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS11S1	INORG	Manganese	7439-96-5	636	J	0.449		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
BGS	BGS11S1	INORG	Mercury	7439-97-6	0.0182	J	0.0032		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
BGS	BGS11S1	INORG	Zinc	7440-66-6	77.2		0.76		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
BGS	BGS12S1	INORG	Antimony	7440-36-0	1.35	J	1.17		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
BGS	BGS12S1	INORG	Barium	7440-39-3	130		0.235		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
BGS	BGS12S1	INORG	Cobalt	7440-48-4	9.58		0.223		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
BGS	BGS12S1	INORG	Copper	7440-50-8	14.3		0.258		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS12S1	INORG	Manganese	7439-96-5	472	J	0.458		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
BGS	BGS12S1	INORG	Mercury	7439-97-6	0.0361	J	0.0034		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
BGS	BGS12S1	INORG	Zinc	7440-66-6	43.7		0.774		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS1S1	INORG	Barium	7440-39-3	102		0.0492		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BGS	BGS1S1	INORG	Cobalt	7440-48-4	10.1		0.234		27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
BGS	BGS1S1	INORG	Copper	7440-50-8	9.31		0.271		52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
BGS	BGS1S1	INORG	Manganese	7439-96-5	83.9	J	0.0959		1,127	<BKG	220	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS1S1	INORG	Mercury	7439-97-6	0.019	J	0.0035		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
BGS	BGS1S1	INORG	Zinc	7440-66-6	41.8		0.812		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS2S1	INORG	Antimony	7440-36-0	1.47	J	1.2		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
BGS	BGS2S1	INORG	Barium	7440-39-3	109		0.0479		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BGS	BGS2S1	INORG	Cobalt	7440-48-4	6.48		0.227		27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
BGS	BGS2S1	INORG	Copper	7440-50-8	10.6		0.263		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS2S1	INORG	Manganese	7439-96-5	228	J	0.0934		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
BGS	BGS2S1	INORG	Mercury	7439-97-6	0.0199	J	0.0032		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
BGS	BGS2S1	INORG	Zinc	7440-66-6	27.9		0.79		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS3S1	INORG	Antimony	7440-36-0	1.91	J	1.23		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
BGS	BGS3S1	INORG	Barium	7440-39-3	124		0.245		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BGS	BGS3S1	INORG	Cobalt	7440-48-4	13.9		0.233		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS3S1	INORG	Copper	7440-50-8	31.3		0.27		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS3S1	INORG	Manganese	7439-96-5	386	J	0.478		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
BGS	BGS3S1	INORG	Mercury	7439-97-6	0.0378	J	0.0037		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
BGS	BGS3S1	INORG	Zinc	7440-66-6	39.6		0.809		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS4S1	INORG	Antimony	7440-36-0	1.36	J	1.24		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
BGS	BGS4S1	INORG	Barium	7440-39-3	214		0.0989		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
BGS	BGS4S1	INORG	Cobalt	7440-48-4	14.8		0.235		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS4S1	INORG	Copper	7440-50-8	24.3		0.272		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS4S1	INORG	Manganese	7439-96-5	1,320	J	1.93		1,127	193	220	EcoSSL Plants	6	0.9	yes
BGS	BGS4S1	INORG	Mercury	7439-97-6	0.0299	J	0.0035		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
BGS	BGS4S1	INORG	Zinc	7440-66-6	42.9		0.816		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS5S1	INORG	Barium	7440-39-3	171		0.236		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
BGS	BGS5S1	INORG	Cobalt	7440-48-4	12.7		1.12		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS5S1	INORG	Copper	7440-50-8	25.7		0.26		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS5S1	INORG	Manganese	7439-96-5	142	J	0.46		1,127	<BKG	220	EcoSSL Plants	0.6	<BKG	yes
BGS	BGS5S1	INORG	Mercury	7439-97-6	0.0339	J	0.0032		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
BGS	BGS5S1	INORG	Zinc	7440-66-6	42		0.779		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS6S1	INORG	Antimony	7440-36-0	2.43		1.17		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
BGS	BGS6S1	INORG	Barium	7440-39-3	209		0.468		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
BGS	BGS6S1	INORG	Cobalt	7440-48-4	11.8		0.222		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
BGS	BGS6S1	INORG	Copper	7440-50-8	24.9		0.257		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS6S1	INORG	Manganese	7439-96-5	154	J	0.912		1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
BGS	BGS6S1	INORG	Mercury	7439-97-6	0.072	J	0.0035		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
BGS	BGS6S1	INORG	Molybdenum	7439-98-7	0.784	J	0.526		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
BGS	BGS6S1	INORG	Zinc	7440-66-6	68.4		0.772		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
BGS	BGS7S1	INORG	Antimony	7440-36-0	2.19	J	1.26		5.09	<BKG	5	ORNL Plants	0.4	<BKG	yes
BGS	BGS7S1	INORG	Barium	7440-39-3	80.5		0.0503		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BGS	BGS7S1	INORG	Boron	7440-42-8	6.6	J	5.6		8.22	<BKG	8.22	Background	0.8	<BKG	yes
BGS	BGS7S1	INORG	Cobalt	7440-48-4	17.1		0.239		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS7S1	INORG	Copper	7440-50-8	48.7		0.277		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
BGS	BGS7S1	INORG	Manganese	7439-96-5	279	J	0.0981		1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
BGS	BGS7S1	INORG	Mercury	7439-97-6	0.0355	J	0.0035		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
BGS	BGS7S1	INORG	Molybdenum	7439-98-7	0.75	J	0.566		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
BGS	BGS7S1	INORG	Zinc	7440-66-6	34.8		0.83		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS8S1	INORG	Antimony	7440-36-0	1.5	J	1.2		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes
BGS	BGS8S1	INORG	Barium	7440-39-3	107		0.0481		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BGS	BGS8S1	INORG	Cobalt	7440-48-4	14.9		0.229		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BGS	BGS8S1	INORG	Copper	7440-50-8	17.7		0.265		52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
BGS	BGS8S1	INORG	Manganese	7439-96-5	1,100	J	0.938		1,127	<BKG	220	EcoSSL Plants	5	<BKG	yes
BGS	BGS8S1	INORG	Mercury	7439-97-6	0.0206	J	0.0035		0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
BGS	BGS8S1	INORG	Zinc	7440-66-6	27.6		0.794		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BGS	BGS9S1	INORG	Barium	7440-39-3	207		0.257		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
BGS	BGS9S1	INORG	Cobalt	7440-48-4	24.8		1.22		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
BGS	BGS9S1	INORG	Copper	7440-50-8	41.6		1.41		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
BGS	BGS9S1	INORG	Manganese	7439-96-5	1,740	J	0.502		1,127	613	220	EcoSSL Plants	8	3	yes
BGS	BGS9S1	INORG	Mercury	7439-97-6	0.0194	J	0.0037		0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
BGS	BGS9S1	INORG	Zinc	7440-66-6	57.5		4.24		89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
BP	BPB1S1	INORG	Barium	7440-39-3	119	J	0.0498		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BP	BPB1S1	INORG	Cobalt	7440-48-4	9.22		0.237		27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
BP	BPB1S1	INORG	Copper	7440-50-8	28.9		0.249		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
BP	BPB1S1	INORG	Mercury	7439-97-6	0.1	J	0.0141		0.09	0.01	0.3	ORNL Plants	0.3	0.03	yes
BP	BPB1S1	INORG	Selenium	7782-49-2	2.17	J	1.22		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
BP	BPB1S1	INORG	Zinc	7440-66-6	33.7		0.822		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
BP	BPB2S1	INORG	Barium	7440-39-3	105	J	0.0461		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BP	BPB2S1	INORG	Cobalt	7440-48-4	13		0.219		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BP	BPB2S1	INORG	Copper	7440-50-8	41.1		0.231		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
BP	BPB2S1	INORG	Mercury	7439-97-6	0.0563	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
BP	BPB2S1	INORG	Molybdenum	7439-98-7	0.751	J	0.507		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
BP	BPB2S1	INORG	Selenium	7782-49-2	2.36		1.13		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
BP	BPB2S1	INORG	Zinc	7440-66-6	97.5		0.761		89.55	7.95	160	EcoSSL Plants	0.6	0.05	yes
BP	BPS1S1	INORG	Barium	7440-39-3	91.3	J	0.0487		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BP	BPS1S1	INORG	Boron	7440-42-8	3.16	J	1.08		8.22	<BKG	8.22	Background	0.4	<BKG	yes
BP	BPS1S1	INORG	Cobalt	7440-48-4	18.7		0.231		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
BP	BPS1S1	INORG	Copper	7440-50-8	38		0.243		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
BP	BPS1S1	INORG	Manganese	7439-96-5	636	J	0.681		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
BP	BPS1S1	INORG	Mercury	7439-97-6	0.0803	J	0.0133		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
BP	BPS1S1	INORG	Perchlorate	14797-73-0	0.0034	J	0.0026		--	no bkg	4	NCEA	0.0009	0.0009	yes
BP	BPS1S1	INORG	Selenium	7782-49-2	1.71	J	1.19		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
BP	BPS1S1	INORG	Zinc	7440-66-6	50.5		0.803		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BP	BPS1S1DUP	INORG	Barium	7440-39-3	90.9	J	0.0487		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
BP	BPS1S1DUP	INORG	Boron	7440-42-8	3.05	J	1.08		8.22	<BKG	8.22	Background	0.4	<BKG	yes
BP	BPS1S1DUP	INORG	Cobalt	7440-48-4	22.8		0.231		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
BP	BPS1S1DUP	INORG	Copper	7440-50-8	36.2		0.244		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
BP	BPS1S1DUP	INORG	Manganese	7439-96-5	917	J	0.682		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
BP	BPS1S1DUP	INORG	Mercury	7439-97-6	0.0806	J	0.0134		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
BP	BPS1S1DUP	INORG	Molybdenum	7439-98-7	0.624	J	0.536		1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
BP	BPS1S1DUP	INORG	Perchlorate	14797-73-0	0.048		0.0026		--	no bkg	4	NCEA	0.01	0.01	yes
BP	BPS1S1DUP	INORG	Selenium	7782-49-2	2.68		1.19		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
BP	BPS1S1DUP	INORG	Zinc	7440-66-6	52		0.804		89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
BP	BPS2S1	INORG	Barium	7440-39-3	881	J	0.576		235.76	645.24	500	ORNL Plants	2	1	yes
BP	BPS2S1	INORG	Boron	7440-42-8	31.1		1.28		8.22	22.88	8.22	Background	4	3	yes
BP	BPS2S1	INORG	Cobalt	7440-48-4	11.8		0.273		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
BP	BPS2S1	INORG	Copper	7440-50-8	38.4		0.288		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
BP	BPS2S1	INORG	Mercury	7439-97-6	0.0878	J	0.0163		0.09	<BKG	0.3	ORNL Plants	0.3	<BKG	yes
BP	BPS2S1	INORG	Molybdenum	7439-98-7	0.878	J	0.633		1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
BP	BPS2S1	INORG	Selenium	7782-49-2	1.81	J	1.41		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
BP	BPS2S1	INORG	Zinc	7440-66-6	200		0.95		89.55	110.45	160	EcoSSL Plants	1	0.7	yes
BP	BPS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.48	NJ	0.12		--	no bkg	16	Exp EcoSSL	0.03	0.03	yes
BP	BPS1S1	Nitroaromatics	RDX	121-82-4	0.34	J	0.12		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
BP	BPS1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.24	J	0.12		--	no bkg	16	Exp EcoSSL	0.02	0.02	yes
BP	BPS1S1DUP	Nitroaromatics	RDX	121-82-4	1.7	J	0.12		--	no bkg	99	Exp EcoSSL	0.02	0.02	yes
BVL	BVLS1S1	INORG	Barium	7440-39-3	161		0.218		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
BVL	BVLS1S1	INORG	Boron	7440-42-8	22.2	J	4.86		8.22	13.98	8.22	Background	3	2	yes
BVL	BVLS1S1	INORG	Cobalt	7440-48-4	20.3		1.04		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
BVL	BVLS1S1	INORG	Copper	7440-50-8	39.3		1.09		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
BVL	BVLS1S1	INORG	Manganese	7439-96-5	428		0.306		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
BVL	BVLS1S1	INORG	Mercury	7439-97-6	0.0319	J	0.0128		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
BVL	BVLS1S1	INORG	Zinc	7440-66-6	123		3.6		89.55	33.45	160	EcoSSL Plants	0.8	0.2	yes
DA23	DA23B2S1	INORG	Barium	7440-39-3	127		0.0535		235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
DA23	DA23B2S1	INORG	Boron	7440-42-8	2.39	J	1.19		8.22	<BKG	8.22	Background	0.3	<BKG	yes
DA23	DA23B2S1	INORG	Cobalt	7440-48-4	13		0.254		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
DA23	DA23B2S1	INORG	Copper	7440-50-8	44.5		0.267		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
DA23	DA23B2S1	INORG	Manganese	7439-96-5	607		0.374		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
DA23	DA23B2S1	INORG	Mercury	7439-97-6	0.0449	J	0.0149		0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
DA23	DA23B2S1	INORG	Zinc	7440-66-6	101		0.882		89.55	11.45	160	EcoSSL Plants	0.6	0.07	yes
DA23	DA23B3S1	INORG	Antimony	7440-36-0	2.29	J	1.25		5.09	<BKG	5	ORNL Plants	0.5	<BKG	yes
DA23	DA23B3S1	INORG	Barium	7440-39-3	253		0.249		235.76	17.24	500	ORNL Plants	0.5	0.03	yes
DA23	DA23B3S1	INORG	Cobalt	7440-48-4	16.9		0.237		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
DA23	DA23B3S1	INORG	Copper	7440-50-8	28.8		0.249		52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
DA23	DA23B3S1	INORG	Manganese	7439-96-5	981		0.698		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
DA23	DA23B3S1	INORG	Mercury	7439-97-6	0.015	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
DA23	DA23B3S1	INORG	Selenium	7782-49-2	2.52		1.22		5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
DA23	DA23B3S1	INORG	Zinc	7440-66-6	99.3		0.823		89.55	9.75	160	EcoSSL Plants	0.6	0.06	yes
DA23	DA23S1S1	INORG	Antimony	7440-36-0	1.71	J	1.23		5.09	<BKG	5	ORNL Plants	0.3	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
DA23	DA23S1S1	INORG	Barium	7440-39-3	250		0.246		235.76	14.24	500	ORNL Plants	0.5	0.03	yes
DA23	DA23S1S1	INORG	Cobalt	7440-48-4	14.9		0.234		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
DA23	DA23S1S1	INORG	Copper	7440-50-8	36.3		0.244		52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
DA23	DA23S1S1	INORG	Manganese	7439-96-5	809		0.69		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
DA23	DA23S1S1	INORG	Zinc	7440-66-6	135		0.813		89.55	45.45	160	EcoSSL Plants	0.8	0.3	yes
DA23	DA23S1S1DUP	INORG	Barium	7440-39-3	264		0.243		235.76	28.24	500	ORNL Plants	0.5	0.06	yes
DA23	DA23S1S1DUP	INORG	Cobalt	7440-48-4	15.7		0.231		27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
DA23	DA23S1S1DUP	INORG	Copper	7440-50-8	38.6		0.248		52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
DA23	DA23S1S1DUP	INORG	Manganese	7439-96-5	905		0.68		1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
DA23	DA23S1S1DUP	INORG	Selenium	7782-49-2	2.16	J	1.19		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
DA23	DA23S1S1DUP	INORG	Zinc	7440-66-6	131		0.801		89.55	41.45	160	EcoSSL Plants	0.8	0.3	yes
DA23	DA23B6B1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	60	J	0.7		--	no bkg	16	Exp EcoSSL	4	4	yes
DA23	DA23B6B1	Nitroaromatics	HMX	2691-41-0	0.42	J	0.35		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
DA23	DA23B2S1	SVOC	2-Methyl naphthalene	91-57-6	0.21	J	0.045		--	no bkg	70	ORNL Plants phenol	0.003	0.003	yes
DEBAREA1	DebrisArea1S1S1	INORG	Barium	7440-39-3	38.6		0.044	5.7775	235.76	<BKG	500	ORNL Plants	0.08	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Boron	7440-42-8	10.8	J	0.98	5.7775	8.22	2.58	8.22	Background	1	0.3	yes
DEBAREA1	DebrisArea1S1S1	INORG	Cobalt	7440-48-4	7.65	J	0.209	5.7775	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Copper	7440-50-8	14.9		0.22	5.7775	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Mercury	7439-97-6	0.0247	J	0.013	5.7775	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Thallium	7440-28-0	3.5	J	1.6	5.7775	4.1	<BKG	4.1	Background	0.9	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Zinc	7440-66-6	18.6	J	0.727	5.7775	89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Barium	7440-39-3	50		0.0455	5.7775	235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Cobalt	7440-48-4	14.2	J	1.08	5.7775	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Copper	7440-50-8	19.4		1.14	5.7775	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Mercury	7439-97-6	0.0204	J	0.0127	5.7775	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Zinc	7440-66-6	30.6	J	3.75	5.7775	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Barium	7440-39-3	94.7		0.051	5.7775	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Boron	7440-42-8	9.35		1.14	5.7775	8.22	1.13	8.22	Background	1	0.1	yes
DEBAREA1	DebrisArea1S2S1	INORG	Cobalt	7440-48-4	9.97		0.242	5.7775	27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Copper	7440-50-8	33.2		0.255	5.7775	52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Mercury	7439-97-6	0.0328	J	0.0146	5.7775	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Thallium	7440-28-0	5.06		1.85	5.7775	4.1	0.96	4.1	Background	1	0.2	yes
DEBAREA1	DebrisArea1S2S1	INORG	Zinc	7440-66-6	58.4		0.842	5.7775	89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Barium	7440-39-3	76.3		0.0396	5.7775	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Boron	7440-42-8	10.1		0.881	5.7775	8.22	1.88	8.22	Background	1	0.2	yes
DEBAREA1	DebrisArea1S3S1	INORG	Cobalt	7440-48-4	7.22		0.188	5.7775	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Copper	7440-50-8	39.2		0.198	5.7775	52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Mercury	7439-97-6	0.0281	J	0.0109	5.7775	0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Thallium	7440-28-0	1.67	J	1.44	5.7775	4.1	<BKG	4.1	Background	0.4	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Zinc	7440-66-6	58.4		0.653	5.7775	89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	HMX	2691-41-0	600		25	5.7775	--	no bkg	600	Exp EcoSSL	1	1	yes
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	RDX	121-82-4	5,200		50	5.7775	--	no bkg	99	Exp EcoSSL	50	50	yes
DUMP	DUMPS1S1	INORG	Barium	7440-39-3	95.1		0.0482		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
DUMP	DUMPS1S1	INORG	Cobalt	7440-48-4	11.5		0.229		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
DUMP	DUMPS1S1	INORG	Copper	7440-50-8	13.7		0.241		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
DUMP	DUMPS1S1	INORG	Manganese	7439-96-5	501		0.338		1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
DUMP	DUMPS1S1	INORG	Selenium	7782-49-2	1.94	J	1.18		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
DUMP	DUMPS1S1	INORG	Zinc	7440-66-6	30		0.796		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
DUMP	DUMPS1S1DUP	INORG	Barium	7440-39-3	90.2		0.0489		235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Cobalt	7440-48-4	11.5		0.232		27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Copper	7440-50-8	14.5		0.244		52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Manganese	7439-96-5	550		0.342		1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Zinc	7440-66-6	31.2		0.807		89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
DUMP	DUMPTP1S1	INORG	Barium	7440-39-3	416		0.0495		235.76	180.24	500	ORNL Plants	0.8	0.4	yes
DUMP	DUMPTP1S1	INORG	Cobalt	7440-48-4	21.6		0.235		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
DUMP	DUMPTP1S1	INORG	Copper	7440-50-8	53.3		0.248		52.77	0.53	70	EcoSSL Plants	0.8	0.008	yes
DUMP	DUMPTP1S1	INORG	Manganese	7439-96-5	1,620		1.39		1,127	493	220	EcoSSL Plants	7	2	yes
DUMP	DUMPTP1S1	INORG	Mercury	7439-97-6	0.0747	J	0.014		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
DUMP	DUMPTP1S1	INORG	Selenium	7782-49-2	1.32	J	1.21		5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
DUMP	DUMPTP1S1	INORG	Thallium	7440-28-0	2.07	J	1.79		4.1	<BKG	4.1	Background	0.5	<BKG	yes
DUMP	DUMPTP1S1	INORG	Zinc	7440-66-6	114		0.817		89.55	24.45	160	EcoSSL Plants	0.7	0.2	yes
DUMP	DUMPTP3S1	INORG	Barium	7440-39-3	233		0.0567		235.76	<BKG	500	ORNL Plants	0.5	<BKG	yes
DUMP	DUMPTP3S1	INORG	Cobalt	7440-48-4	25.8		0.269		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
DUMP	DUMPTP3S1	INORG	Copper	7440-50-8	53.7		0.283		52.77	0.93	70	EcoSSL Plants	0.8	0.01	yes
DUMP	DUMPTP3S1	INORG	Manganese	7439-96-5	2,120		1.59		1,127	993	220	EcoSSL Plants	10	5	yes
DUMP	DUMPTP3S1	INORG	Mercury	7439-97-6	4.26		0.154		0.09	4.17	0.3	ORNL Plants	10	10	yes
DUMP	DUMPTP3S1	INORG	Selenium	7782-49-2	2.01	J	1.39		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
DUMP	DUMPTP3S1	INORG	Zinc	7440-66-6	190		0.935		89.55	100.45	160	EcoSSL Plants	1	0.6	yes
DUMP	DUMPTP5S1	INORG	Barium	7440-39-3	220		0.0515		235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
DUMP	DUMPTP5S1	INORG	Cobalt	7440-48-4	22.8		0.245		27.3	<BKG	13	EcoSSL Plants	2	<BKG	yes
DUMP	DUMPTP5S1	INORG	Copper	7440-50-8	50.5		0.258		52.77	<BKG	70	EcoSSL Plants	0.7	<BKG	yes
DUMP	DUMPTP5S1	INORG	Manganese	7439-96-5	1,530		1.44		1,127	403	220	EcoSSL Plants	7	2	yes
DUMP	DUMPTP5S1	INORG	Mercury	7439-97-6	0.0744	J	0.0146		0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
DUMP	DUMPTP5S1	INORG	Selenium	7782-49-2	1.95	J	1.26		5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
DUMP	DUMPTP5S1	INORG	Thallium	7440-28-0	2.41	J	1.87		4.1	<BKG	4.1	Background	0.6	<BKG	yes
DUMP	DUMPTP5S1	INORG	Zinc	7440-66-6	77.3		0.85		89.55	<BKG	160	EcoSSL Plants	0.5	<BKG	yes
PSO	PSOB1S1	INORG	Barium	7440-39-3	148		0.0449	5.8025	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
PSO	PSOB1S1	INORG	Boron	7440-42-8	3.72	J	0.998	5.8025	8.22	<BKG	8.22	Background	0.5	<BKG	yes
PSO	PSOB1S1	INORG	Cobalt	7440-48-4	17.7		0.213	5.8025	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
PSO	PSOB1S1	INORG	Copper	7440-50-8	14.6		0.224	5.8025	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
PSO	PSOB1S1	INORG	Manganese	7439-96-5	347		0.0628	5.8025	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
PSO	PSOB1S1	INORG	Mercury	7439-97-6	0.0148	J	0.0127	5.8025	0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
PSO	PSOB1S1	INORG	Thallium	7440-28-0	2.46	J	1.63	5.8025	4.1	<BKG	4.1	Background	0.6	<BKG	yes
PSO	PSOB1S1	INORG	Zinc	7440-66-6	60.9		0.74	5.8025	89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
TA	TAS1S1	INORG	Barium	7440-39-3	110	J	0.0467	5.3625	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TA	TAS1S1	INORG	Cobalt	7440-48-4	8.6	J	0.222	5.3625	27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
TA	TAS1S1	INORG	Copper	7440-50-8	12.2		0.234	5.3625	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TA	TAS1S1	INORG	Manganese	7439-96-5	288	J	0.327	5.3625	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TA	TAS1S1	INORG	Mercury	7439-97-6	0.0167	J	0.0134	5.3625	0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
TA	TAS1S1	INORG	Perchlorate	14797-73-0	0.0028	J	0.0025	5.3625	--	no bkg	4	NCEA	0.0007	0.0007	yes
TA	TAS1S1	INORG	Zinc	7440-66-6	34.7		0.771	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS1S1DUP	INORG	Barium	7440-39-3	127	J	0.235	5.3625	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
TA	TAS1S1DUP	INORG	Cobalt	7440-48-4	9.4	J	0.223	5.3625	27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
TA	TAS1S1DUP	INORG	Copper	7440-50-8	13.2		0.235	5.3625	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TA	TAS1S1DUP	INORG	Manganese	7439-96-5	333	J	0.329	5.3625	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TA	TAS1S1DUP	INORG	Mercury	7439-97-6	0.0164	J	0.0136	5.3625	0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
TA	TAS1S1DUP	INORG	Zinc	7440-66-6	40		0.776	5.3625	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
TA	TAS2S1	INORG	Barium	7440-39-3	149	J	0.248	5.3625	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
TA	TAS2S1	INORG	Cobalt	7440-48-4	13.3	J	0.235	5.3625	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
TA	TAS2S1	INORG	Copper	7440-50-8	20.2		0.248	5.3625	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TA	TAS2S1	INORG	Manganese	7439-96-5	598	J	1.39	5.3625	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
TA	TAS2S1	INORG	Mercury	7439-97-6	0.0239	J	0.0141	5.3625	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
TA	TAS2S1	INORG	Thallium	7440-28-0	2.89	J	1.8	5.3625	4.1	<BKG	4.1	Background	0.7	<BKG	yes
TA	TAS2S1	INORG	Zinc	7440-66-6	32.7		0.818	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS3S1	INORG	Barium	7440-39-3	102	J	0.482	5.3625	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TA	TAS3S1	INORG	Cobalt	7440-48-4	11.3	J	2.29	5.3625	27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
TA	TAS3S1	INORG	Copper	7440-50-8	23.3		2.41	5.3625	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TA	TAS3S1	INORG	Manganese	7439-96-5	388	J	0.675	5.3625	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TA	TAS3S1	INORG	Mercury	7439-97-6	0.0211	J	0.0138	5.3625	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TA	TAS3S1	INORG	Zinc	7440-66-6	27.3		7.96	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS4S1	INORG	Barium	7440-39-3	185		0.242	5.3625	235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
TA	TAS4S1	INORG	Boron	7440-42-8	4.52	J	1.07	5.3625	8.22	<BKG	8.22	Background	0.5	<BKG	yes
TA	TAS4S1	INORG	Cobalt	7440-48-4	14.5		0.229	5.3625	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
TA	TAS4S1	INORG	Copper	7440-50-8	32.8		0.242	5.3625	52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
TA	TAS4S1	INORG	Manganese	7439-96-5	966	J-	0.676	5.3625	1,127	<BKG	220	EcoSSL Plants	4	<BKG	yes
TA	TAS4S1	INORG	Mercury	7439-97-6	0.023	J	0.0137	5.3625	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
TA	TAS4S1	INORG	Molybdenum	7439-98-7	0.613	J	0.531	5.3625	1.96	<BKG	2	ORNL Plants	0.3	<BKG	yes
TA	TAS4S1	INORG	Zinc	7440-66-6	35.6		0.797	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS5S1	INORG	Barium	7440-39-3	116	J	0.0486	5.3625	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TA	TAS5S1	INORG	Cobalt	7440-48-4	14	J	0.231	5.3625	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
TA	TAS5S1	INORG	Copper	7440-50-8	19.1		0.243	5.3625	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TA	TAS5S1	INORG	Manganese	7439-96-5	459	J	0.34	5.3625	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TA	TAS5S1	INORG	Mercury	7439-97-6	0.0227	J	0.0139	5.3625	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
TA	TAS5S1	INORG	Thallium	7440-28-0	2.55	J	1.76	5.3625	4.1	<BKG	4.1	Background	0.6	<BKG	yes
TA	TAS5S1	INORG	Zinc	7440-66-6	26.9		0.802	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS6S1	INORG	Barium	7440-39-3	85.1	J	0.0479	5.3625	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TA	TAS6S1	INORG	Cobalt	7440-48-4	10.3	J	0.228	5.3625	27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
TA	TAS6S1	INORG	Copper	7440-50-8	18.5		0.24	5.3625	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TA	TAS6S1	INORG	Manganese	7439-96-5	397	J	0.336	5.3625	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TA	TAS6S1	INORG	Mercury	7439-97-6	0.0209	J	0.0135	5.3625	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TA	TAS6S1	INORG	Thallium	7440-28-0	2.47	J	1.74	5.3625	4.1	<BKG	4.1	Background	0.6	<BKG	yes
TA	TAS6S1	INORG	Zinc	7440-66-6	19.5		0.791	5.3625	89.55	<BKG	160	EcoSSL Plants	0.1	<BKG	yes
TA	TAS7S1	INORG	Barium	7440-39-3	125		0.0504	5.3625	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
TA	TAS7S1	INORG	Boron	7440-42-8	4.1	J	1.12	5.3625	8.22	<BKG	8.22	Background	0.5	<BKG	yes
TA	TAS7S1	INORG	Cobalt	7440-48-4	9.28		0.239	5.3625	27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
TA	TAS7S1	INORG	Copper	7440-50-8	20.7		0.252	5.3625	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TA	TAS7S1	INORG	Manganese	7439-96-5	625	J-	0.353	5.3625	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
TA	TAS7S1	INORG	Mercury	7439-97-6	0.025	J	0.0144	5.3625	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
TA	TAS7S1	INORG	Zinc	7440-66-6	27.5		0.831	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TA	TAS8S1	INORG	Barium	7440-39-3	141		0.231	5.3625	235.76	<BKG	500	ORNL Plants	0.3	<BKG	yes
TA	TAS8S1	INORG	Boron	7440-42-8	1.76	J	1.03	5.3625	8.22	<BKG	8.22	Background	0.2	<BKG	yes
TA	TAS8S1	INORG	Cobalt	7440-48-4	13.3		0.22	5.3625	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
TA	TAS8S1	INORG	Copper	7440-50-8	29.6		0.231	5.3625	52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
TA	TAS8S1	INORG	Manganese	7439-96-5	363	J-	0.324	5.3625	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TA	TAS8S1	INORG	Mercury	7439-97-6	0.0207	J	0.0131	5.3625	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TA	TAS8S1	INORG	Zinc	7440-66-6	32.2		0.763	5.3625	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
TRA1	TRA1S1S1	INORG	Barium	7440-39-3	69.4	J	0.0492	5.3875	235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S1S1	INORG	Boron	7440-42-8	11.1		1.09	5.3875	8.22	2.88	8.22	Background	1	0.4	yes
TRA1	TRA1S1S1	INORG	Cobalt	7440-48-4	11.8		0.234	5.3875	27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
TRA1	TRA1S1S1	INORG	Copper	7440-50-8	41.7	J	0.246	5.3875	52.77	<BKG	70	EcoSSL Plants	0.6	<BKG	yes
TRA1	TRA1S1S1	INORG	Manganese	7439-96-5	444	J	0.0689	5.3875	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA1	TRA1S1S1	INORG	Mercury	7439-97-6	0.0389	J	0.0143	5.3875	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S1S1	INORG	Selenium	7782-49-2	4.17		1.21	5.3875	5.23	<BKG	0.52	EcoSSL Plants	8	<BKG	NO
TRA1	TRA1S1S1	INORG	Zinc	7440-66-6	33.3	J	0.812	5.3875	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S2S1	INORG	Barium	7440-39-3	44.9	J	0.0509	5.3875	235.76	<BKG	500	ORNL Plants	0.09	<BKG	yes
TRA1	TRA1S2S1	INORG	Boron	7440-42-8	22.4	J	5.67	5.3875	8.22	14.18	8.22	Background	3	2	yes
TRA1	TRA1S2S1	INORG	Cobalt	7440-48-4	8.42		0.242	5.3875	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA1	TRA1S2S1	INORG	Copper	7440-50-8	32	J	0.255	5.3875	52.77	<BKG	70	EcoSSL Plants	0.5	<BKG	yes
TRA1	TRA1S2S1	INORG	Manganese	7439-96-5	160	J	0.0713	5.3875	1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
TRA1	TRA1S2S1	INORG	Mercury	7439-97-6	0.0367	J	0.0149	5.3875	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S2S1	INORG	Selenium	7782-49-2	4.92		1.25	5.3875	5.23	<BKG	0.52	EcoSSL Plants	9	<BKG	NO
TRA1	TRA1S2S1	INORG	Zinc	7440-66-6	33.8	J	0.84	5.3875	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S3S1	INORG	Barium	7440-39-3	77.1	J	0.0546	5.3875	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA1	TRA1S3S1	INORG	Boron	7440-42-8	9.62		1.21	5.3875	8.22	1.4	8.22	Background	1	0.2	yes
TRA1	TRA1S3S1	INORG	Cobalt	7440-48-4	7.41		0.259	5.3875	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA1	TRA1S3S1	INORG	Copper	7440-50-8	18.2	J	0.273	5.3875	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes
TRA1	TRA1S3S1	INORG	Manganese	7439-96-5	173	J	0.0764	5.3875	1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
TRA1	TRA1S3S1	INORG	Mercury	7439-97-6	0.0214	J	0.0157	5.3875	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TRA1	TRA1S3S1	INORG	Selenium	7782-49-2	1.93	J	1.34	5.3875	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
TRA1	TRA1S3S1	INORG	Zinc	7440-66-6	33.3	J	0.9	5.3875	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Barium	7440-39-3	71.4	J	0.0498	5.3875	235.76	<BKG	500	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Boron	7440-42-8	7.2		1.11	5.3875	8.22	<BKG	8.22	Background	0.9	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Cobalt	7440-48-4	7.42		0.236	5.3875	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Copper	7440-50-8	15.7	J	0.249	5.3875	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Manganese	7439-96-5	184	J	0.0697	5.3875	1,127	<BKG	220	EcoSSL Plants	0.8	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Mercury	7439-97-6	0.0313	J	0.0138	5.3875	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Selenium	7782-49-2	1.82	J	1.22	5.3875	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
TRA1	TRA1S3S1DUP	INORG	Zinc	7440-66-6	29.3	J	0.821	5.3875	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Barium	7440-39-3	83.2	J	0.0513	5.3875	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Boron	7440-42-8	7		1.14	5.3875	8.22	<BKG	8.22	Background	0.9	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Cobalt	7440-48-4	8.12		0.244	5.3875	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Copper	7440-50-8	17.3	J	0.256	5.3875	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Manganese	7439-96-5	264	J	0.0718	5.3875	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Mercury	7439-97-6	0.0365	J	0.0147	5.3875	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Zinc	7440-66-6	28.9	J	0.846	5.3875	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S1S1	INORG	Barium	7440-39-3	114		0.0526	5.55	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA2	TRA2S1S1	INORG	Cobalt	7440-48-4	16.5		0.25	5.55	27.3	<BKG	13	EcoSSL Plants	1	<BKG	yes
TRA2	TRA2S1S1	INORG	Copper	7440-50-8	25.9		0.263	5.55	52.77	<BKG	70	EcoSSL Plants	0.4	<BKG	yes
TRA2	TRA2S1S1	INORG	Manganese	7439-96-5	600		0.0736	5.55	1,127	<BKG	220	EcoSSL Plants	3	<BKG	yes
TRA2	TRA2S1S1	INORG	Mercury	7439-97-6	0.0393	J	0.0152	5.55	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA2	TRA2S1S1	INORG	Selenium	7782-49-2	3.58		1.29	5.55	5.23	<BKG	0.52	EcoSSL Plants	7	<BKG	NO
TRA2	TRA2S1S1	INORG	Zinc	7440-66-6	47.4		0.867	5.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA2	TRA2S2S1	INORG	Barium	7440-39-3	241		0.29	5.55	235.76	5.24	500	ORNL Plants	0.5	0.01	yes
TRA2	TRA2S2S1	INORG	Cobalt	7440-48-4	11.1		0.275	5.55	27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
TRA2	TRA2S2S1	INORG	Copper	7440-50-8	17.9		0.29	5.55	52.77	<BKG	70	EcoSSL Plants	0.3	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
TRA2	TRA2S2S1	INORG	Manganese	7439-96-5	2,440		1.62	5.55	1,127	1,313	220	EcoSSL Plants	10	6	yes
TRA2	TRA2S2S1	INORG	Mercury	7439-97-6	0.0203	J	0.0165	5.55	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TRA2	TRA2S2S1	INORG	Zinc	7440-66-6	46.9		0.956	5.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA2	TRA2S3S1	INORG	Barium	7440-39-3	115		0.0503	5.55	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA2	TRA2S3S1	INORG	Cobalt	7440-48-4	6.73		0.239	5.55	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
TRA2	TRA2S3S1	INORG	Copper	7440-50-8	11.3		0.252	5.55	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S3S1	INORG	Manganese	7439-96-5	341		0.0705	5.55	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA2	TRA2S3S1	INORG	Mercury	7439-97-6	0.0212	J	0.0142	5.55	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TRA2	TRA2S3S1	INORG	Zinc	7440-66-6	37.2		0.83	5.55	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S4S1	INORG	Barium	7440-39-3	97.3		0.0479	5.55	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA2	TRA2S4S1	INORG	Cobalt	7440-48-4	5.41		0.228	5.55	27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
TRA2	TRA2S4S1	INORG	Copper	7440-50-8	5.43		0.24	5.55	52.77	<BKG	70	EcoSSL Plants	0.08	<BKG	yes
TRA2	TRA2S4S1	INORG	Manganese	7439-96-5	389		0.0671	5.55	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA2	TRA2S4S1	INORG	Mercury	7439-97-6	0.0158	J	0.0136	5.55	0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
TRA2	TRA2S4S1	INORG	Zinc	7440-66-6	25.8		0.791	5.55	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Barium	7440-39-3	120		0.0551	5.55	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Cobalt	7440-48-4	10.3		0.262	5.55	27.3	<BKG	13	EcoSSL Plants	0.8	<BKG	yes
TRA2	TRA2S5S1	INORG	Copper	7440-50-8	17.4		0.275	5.55	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Manganese	7439-96-5	216		0.0771	5.55	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA2	TRA2S5S1	INORG	Mercury	7439-97-6	0.0189	J	0.0159	5.55	0.09	<BKG	0.3	ORNL Plants	0.06	<BKG	yes
TRA2	TRA2S5S1	INORG	Zinc	7440-66-6	41.8		0.909	5.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA2	TRA2S6S1	INORG	Barium	7440-39-3	91.4		0.0554	5.55	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA2	TRA2S6S1	INORG	Cobalt	7440-48-4	11.4		0.263	5.55	27.3	<BKG	13	EcoSSL Plants	0.9	<BKG	yes
TRA2	TRA2S6S1	INORG	Copper	7440-50-8	15.8		0.277	5.55	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA2	TRA2S6S1	INORG	Manganese	7439-96-5	423		0.0776	5.55	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA2	TRA2S6S1	INORG	Mercury	7439-97-6	0.0386	J	0.0154	5.55	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA2	TRA2S6S1	INORG	Molybdenum	7439-98-7	0.766	J	0.609	5.55	1.96	<BKG	2	ORNL Plants	0.4	<BKG	yes
TRA2	TRA2S6S1	INORG	Selenium	7782-49-2	2.44	J	1.36	5.55	5.23	<BKG	0.52	EcoSSL Plants	5	<BKG	NO
TRA2	TRA2S6S1	INORG	Zinc	7440-66-6	42.4		0.914	5.55	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA3	TRA3S10S1	INORG	Barium	7440-39-3	112		0.0455	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S10S1	INORG	Boron	7440-42-8	5.74		1.01	5.6175	8.22	<BKG	8.22	Background	0.7	<BKG	yes
TRA3	TRA3S10S1	INORG	Cobalt	7440-48-4	7.07		0.216	5.6175	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
TRA3	TRA3S10S1	INORG	Copper	7440-50-8	10.2		0.227	5.6175	52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
TRA3	TRA3S10S1	INORG	Manganese	7439-96-5	244		0.0636	5.6175	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA3	TRA3S10S1	INORG	Mercury	7439-97-6	0.0161	J	0.013	5.6175	0.09	<BKG	0.3	ORNL Plants	0.05	<BKG	yes
TRA3	TRA3S10S1	INORG	Selenium	7782-49-2	1.32	J	1.11	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S10S1	INORG	Zinc	7440-66-6	45.9		0.75	5.6175	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA3	TRA3S1S1	INORG	Barium	7440-39-3	103		0.0499	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S1S1	INORG	Boron	7440-42-8	7.3		1.11	5.6175	8.22	<BKG	8.22	Background	0.9	<BKG	yes
TRA3	TRA3S1S1	INORG	Cobalt	7440-48-4	8.18		0.237	5.6175	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA3	TRA3S1S1	INORG	Copper	7440-50-8	10.5		0.25	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S1S1	INORG	Manganese	7439-96-5	289		0.0699	5.6175	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA3	TRA3S1S1	INORG	Selenium	7782-49-2	1.68	J	1.22	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S1S1	INORG	Zinc	7440-66-6	38.8		0.824	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S2S1	INORG	Barium	7440-39-3	115		0.0484	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S2S1	INORG	Boron	7440-42-8	6.89		1.08	5.6175	8.22	<BKG	8.22	Background	0.8	<BKG	yes
TRA3	TRA3S2S1	INORG	Cobalt	7440-48-4	7.92		0.23	5.6175	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA3	TRA3S2S1	INORG	Copper	7440-50-8	11.6		0.242	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S2S1	INORG	Manganese	7439-96-5	439		0.0677	5.6175	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
TRA3	TRA3S2S1	INORG	Mercury	7439-97-6	0.0231	J	0.014	5.6175	0.09	<BKG	0.3	ORNL Plants	0.08	<BKG	yes
TRA3	TRA3S2S1	INORG	Selenium	7782-49-2	1.68	J	1.19	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S2S1	INORG	Zinc	7440-66-6	41.7		0.798	5.6175	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes
TRA3	TRA3S3S1	INORG	Barium	7440-39-3	121		0.0513	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S3S1	INORG	Boron	7440-42-8	8.38		1.14	5.6175	8.22	0.16	8.22	Background	1	0.02	yes
TRA3	TRA3S3S1	INORG	Cobalt	7440-48-4	7.91		0.244	5.6175	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA3	TRA3S3S1	INORG	Copper	7440-50-8	11.1		0.257	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S3S1	INORG	Manganese	7439-96-5	485		0.0719	5.6175	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA3	TRA3S3S1	INORG	Mercury	7439-97-6	0.0305	J	0.015	5.6175	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA3	TRA3S3S1	INORG	Selenium	7782-49-2	1.92	J	1.26	5.6175	5.23	<BKG	0.52	EcoSSL Plants	4	<BKG	NO
TRA3	TRA3S3S1	INORG	Zinc	7440-66-6	37.8		0.847	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S4S1	INORG	Barium	7440-39-3	183		0.246	5.6175	235.76	<BKG	500	ORNL Plants	0.4	<BKG	yes
TRA3	TRA3S4S1	INORG	Boron	7440-42-8	6.69		1.09	5.6175	8.22	<BKG	8.22	Background	0.8	<BKG	yes
TRA3	TRA3S4S1	INORG	Cobalt	7440-48-4	8.51		0.234	5.6175	27.3	<BKG	13	EcoSSL Plants	0.7	<BKG	yes
TRA3	TRA3S4S1	INORG	Copper	7440-50-8	13.2		0.246	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S4S1	INORG	Manganese	7439-96-5	487		0.0688	5.6175	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA3	TRA3S4S1	INORG	Mercury	7439-97-6	0.0728	J	0.0145	5.6175	0.09	<BKG	0.3	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S4S1	INORG	Selenium	7782-49-2	1.44	J	1.2	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S4S1	INORG	Zinc	7440-66-6	59.2		0.811	5.6175	89.55	<BKG	160	EcoSSL Plants	0.4	<BKG	yes
TRA3	TRA3S5S1	INORG	Barium	7440-39-3	90		0.0477	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S5S1	INORG	Boron	7440-42-8	5.87	J	1.06	5.6175	8.22	<BKG	8.22	Background	0.7	<BKG	yes
TRA3	TRA3S5S1	INORG	Cobalt	7440-48-4	4.9		0.227	5.6175	27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
TRA3	TRA3S5S1	INORG	Copper	7440-50-8	6.8		0.239	5.6175	52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
TRA3	TRA3S5S1	INORG	Manganese	7439-96-5	215		0.0668	5.6175	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA3	TRA3S5S1	INORG	Mercury	7439-97-6	0.0203	J	0.0138	5.6175	0.09	<BKG	0.3	ORNL Plants	0.07	<BKG	yes
TRA3	TRA3S5S1	INORG	Selenium	7782-49-2	1.33	J	1.17	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S5S1	INORG	Zinc	7440-66-6	34.6		0.787	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S6S1	INORG	Barium	7440-39-3	101		0.048	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S6S1	INORG	Boron	7440-42-8	7.47		1.07	5.6175	8.22	<BKG	8.22	Background	0.9	<BKG	yes
TRA3	TRA3S6S1	INORG	Cobalt	7440-48-4	5.92		0.228	5.6175	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
TRA3	TRA3S6S1	INORG	Copper	7440-50-8	11.2		0.24	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S6S1	INORG	Manganese	7439-96-5	293		0.0672	5.6175	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA3	TRA3S6S1	INORG	Mercury	7439-97-6	0.0412	J	0.0141	5.6175	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA3	TRA3S6S1	INORG	Selenium	7782-49-2	1.44	J	1.18	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S6S1	INORG	Zinc	7440-66-6	35.4		0.792	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S7S1	INORG	Barium	7440-39-3	78.1		0.0484	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S7S1	INORG	Boron	7440-42-8	6.89		1.08	5.6175	8.22	<BKG	8.22	Background	0.8	<BKG	yes
TRA3	TRA3S7S1	INORG	Cobalt	7440-48-4	4.74		0.23	5.6175	27.3	<BKG	13	EcoSSL Plants	0.4	<BKG	yes
TRA3	TRA3S7S1	INORG	Copper	7440-50-8	8.63		0.242	5.6175	52.77	<BKG	70	EcoSSL Plants	0.1	<BKG	yes
TRA3	TRA3S7S1	INORG	Manganese	7439-96-5	233		0.0678	5.6175	1,127	<BKG	220	EcoSSL Plants	1	<BKG	yes
TRA3	TRA3S7S1	INORG	Mercury	7439-97-6	0.0372	J	0.0134	5.6175	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes
TRA3	TRA3S7S1	INORG	Selenium	7782-49-2	1.57	J	1.19	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S7S1	INORG	Zinc	7440-66-6	26.6		0.799	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S8S1	INORG	Barium	7440-39-3	111		0.0482	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S8S1	INORG	Boron	7440-42-8	6.76		1.07	5.6175	8.22	<BKG	8.22	Background	0.8	<BKG	yes
TRA3	TRA3S8S1	INORG	Cobalt	7440-48-4	7.45		0.229	5.6175	27.3	<BKG	13	EcoSSL Plants	0.6	<BKG	yes
TRA3	TRA3S8S1	INORG	Copper	7440-50-8	11		0.241	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S8S1	INORG	Manganese	7439-96-5	437		0.0674	5.6175	1,127	<BKG	220	EcoSSL Plants	2	<BKG	yes
TRA3	TRA3S8S1	INORG	Mercury	7439-97-6	0.0422	J	0.0134	5.6175	0.09	<BKG	0.3	ORNL Plants	0.1	<BKG	yes

M5-2A: Location-Specific Soil HQs for Plants (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Plant HQ -BKG (a)	Criterion> BERA Plant SQL
TRA3	TRA3S8S1	INORG	Perchlorate	14797-73-0	0.024		0.0027	5.6175	--	no bkg	4	NCEA	0.006	0.006	yes
TRA3	TRA3S8S1	INORG	Selenium	7782-49-2	1.57	J	1.18	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S8S1	INORG	Zinc	7440-66-6	36.4		0.795	5.6175	89.55	<BKG	160	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S9S1	INORG	Barium	7440-39-3	121		0.0547	5.6175	235.76	<BKG	500	ORNL Plants	0.2	<BKG	yes
TRA3	TRA3S9S1	INORG	Boron	7440-42-8	6.4	J	1.22	5.6175	8.22	<BKG	8.22	Background	0.8	<BKG	yes
TRA3	TRA3S9S1	INORG	Cobalt	7440-48-4	6.51		0.26	5.6175	27.3	<BKG	13	EcoSSL Plants	0.5	<BKG	yes
TRA3	TRA3S9S1	INORG	Copper	7440-50-8	14.3		0.274	5.6175	52.77	<BKG	70	EcoSSL Plants	0.2	<BKG	yes
TRA3	TRA3S9S1	INORG	Manganese	7439-96-5	159		0.0766	5.6175	1,127	<BKG	220	EcoSSL Plants	0.7	<BKG	yes
TRA3	TRA3S9S1	INORG	Mercury	7439-97-6	0.0261	J	0.015	5.6175	0.09	<BKG	0.3	ORNL Plants	0.09	<BKG	yes
TRA3	TRA3S9S1	INORG	Selenium	7782-49-2	1.35	J	1.34	5.6175	5.23	<BKG	0.52	EcoSSL Plants	3	<BKG	NO
TRA3	TRA3S9S1	INORG	Zinc	7440-66-6	45.9		0.903	5.6175	89.55	<BKG	160	EcoSSL Plants	0.3	<BKG	yes

--	No value.
<BKG	Less than background.
avg	Average.
Background	Background used as screening value.
BERA	Baseline ecological risk assessment.
BHC	Benzene hexachloride.
BKG	Background
COPECs	Chemicals of potential ecological concern.
EcoSSL Plants	Ecological Soil Screening Levels for plants, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509.
HMX	Octahydro-1,3,7,5-tetranitro-1,3,7,5-tetrazocine.
HQ	Hazard quotient
J	Estimated value.
J-	Estimated value low (results are likely reported lower than the true value).
J+	Estimated value high (results are likely reported higher than the true value).
mg/kg	Milligram per kilogram.
MW	Molecular weight.
NA	Not available.
NCEA	USEPA. 2002. Perchlorate Environmental Contamination. http://www.epa.gov/ncea/pdfs/perchlorate/final_rpt.pdf
nd	Not detected.
ORNL Plants	ORNL. Efroymsson, 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on terrestrial plants. http://rais.ornl.gov/documents/tm85r3.pdf
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.
Region 5	USEPA. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels Last accessed March 5, 2009. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
SQL	Sample quantitation level

0.1	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.
40	HQ is between 11 and 100.
200	HQ > 100.

(a) If and only if there is a background value.

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
APDA789	APDA789B1S1	INORG	Barium	7440-39-3	70.8		0.0506		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B1S1	INORG	Boron	7440-42-8	6.7		1.13		8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
APDA789	APDA789B1S1	INORG	Copper	7440-50-8	39.5		0.253		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B1S1	INORG	Manganese	7439-96-5	211	J	0.354		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B1S1	INORG	Mercury	7439-97-6	0.0196	J	0.0139		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
APDA789	APDA789B1S1	INORG	Thallium	7440-28-0	3.93		1.83		4.1	<BKG	4.1	Background	1	<BKG	yes
APDA789	APDA789B1S1	INORG	Titanium	7440-32-6	956		4.81		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
APDA789	APDA789B1S1	INORG	Zinc	7440-66-6	23.4		0.835		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B1S1	VOC	Benzene	71-43-2	0.0006	J	0.0006		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B1S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B2S1	INORG	Barium	7440-39-3	161		0.258		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B2S1	INORG	Boron	7440-42-8	9.33		1.15		8.22	1.11	20	ORNL Inverts	0.5	0.06	yes
APDA789	APDA789B2S1	INORG	Copper	7440-50-8	13.3		0.258		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B2S1	INORG	Cyanide	57-12-5	0.28	J	0.23		--	no bkg	1.33	Region 5	0.2	0.2	yes
APDA789	APDA789B2S1	INORG	Manganese	7439-96-5	477	J	0.361		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
APDA789	APDA789B2S1	INORG	Mercury	7439-97-6	0.0431	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
APDA789	APDA789B2S1	INORG	Titanium	7440-32-6	876		4.9		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
APDA789	APDA789B2S1	INORG	Zinc	7440-66-6	26.4		0.85		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	4.3		0.13		--	no bkg	16	Exp EcoSSL	0.3	0.3	yes
APDA789	APDA789B2S1	PEST	Aldrin	309-00-2	12	J	2.2		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B2S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B3S1	INORG	Barium	7440-39-3	58.1		0.0476		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B3S1	INORG	Boron	7440-42-8	9.29		1.06		8.22	1.07	20	ORNL Inverts	0.5	0.05	yes
APDA789	APDA789B3S1	INORG	Copper	7440-50-8	9		0.238		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
APDA789	APDA789B3S1	INORG	Manganese	7439-96-5	133	J	0.333		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
APDA789	APDA789B3S1	INORG	Mercury	7439-97-6	0.0254	J	0.0138		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
APDA789	APDA789B3S1	INORG	Titanium	7440-32-6	765		4.52		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
APDA789	APDA789B3S1	INORG	Zinc	7440-66-6	14.8		0.785		89.55	<BKG	120	EcoSSL Inverts	0.1	<BKG	yes
APDA789	APDA789B3S1	PEST	Heptachlor epoxide	1024-57-3	0.00091	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B3S1	SVOC	Phenol	108-95-2	1.7		0.04		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B4S1	INORG	Barium	7440-39-3	67.7		0.0471		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B4S1	INORG	Boron	7440-42-8	8.58		1.05		8.22	0.36	20	ORNL Inverts	0.4	0.02	yes
APDA789	APDA789B4S1	INORG	Copper	7440-50-8	12.9		0.235		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B4S1	INORG	Manganese	7439-96-5	184	J	0.33		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
APDA789	APDA789B4S1	INORG	Mercury	7439-97-6	0.0206	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
APDA789	APDA789B4S1	INORG	Titanium	7440-32-6	770		4.47		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
APDA789	APDA789B4S1	INORG	Zinc	7440-66-6	25.9		0.777		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B4S1	PEST	Chlordane (total)	57-74-9	0.0018	J	0.025		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B4S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B5S1	INORG	Barium	7440-39-3	68.8		0.051		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B5S1	INORG	Boron	7440-42-8	34.8		5.68		8.22	26.58	20	ORNL Inverts	2	1	yes
APDA789	APDA789B5S1	INORG	Copper	7440-50-8	32		1.28		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
APDA789	APDA789B5S1	INORG	Manganese	7439-96-5	576	J	0.357		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
APDA789	APDA789B5S1	INORG	Mercury	7439-97-6	0.052	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
APDA789	APDA789B5S1	INORG	Titanium	7440-32-6	690		4.85		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
APDA789	APDA789B5S1	INORG	Zinc	7440-66-6	25		4.21		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
APDA789	APDA789B5S1	PEST	Endosulfan	115-29-7	0.00046	J	0.00043		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B5S1	PEST	Heptachlor epoxide	1024-57-3	0.0031		0.00022		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B6S1	INORG	Barium	7440-39-3	119		0.244		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
APDA789	APDA789B6S1	INORG	Boron	7440-42-8	23.3	J	5.43		8.22	15.08	20	ORNL Inverts	1	0.8	yes
APDA789	APDA789B6S1	INORG	Copper	7440-50-8	31.6		1.22		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
APDA789	APDA789B6S1	INORG	Manganese	7439-96-5	356	J	0.342		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
APDA789	APDA789B6S1	INORG	Mercury	7439-97-6	0.0327	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
APDA789	APDA789B6S1	INORG	Titanium	7440-32-6	1,410		9.28		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
APDA789	APDA789B6S1	INORG	Zinc	7440-66-6	48.8		4.03		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
APDA789	APDA789B6S1	PEST	Endosulfan sulfate	1031-07-8	0.0013	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B6S1	PEST	Heptachlor epoxide	1024-57-3	0.00043	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B6S1	VOC	Acetone	67-64-1	0.015	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B7S1	INORG	Barium	7440-39-3	169		0.273		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B7S1	INORG	Boron	7440-42-8	54.2		6.07		8.22	45.98	20	ORNL Inverts	3	2	yes
APDA789	APDA789B7S1	INORG	Copper	7440-50-8	46.7		1.36		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1	INORG	Manganese	7439-96-5	268	J	0.382		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1	INORG	Mercury	7439-97-6	0.0582	J	0.0157		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1	INORG	Titanium	7440-32-6	1,190		5.18		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
APDA789	APDA789B7S1	INORG	Zinc	7440-66-6	66		4.5		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1	PEST	Chlordane (total)	57-74-9	0.0032	J	0.0036		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B7S1DUP	INORG	Barium	7440-39-3	155		0.274		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Boron	7440-42-8	54.1		6.1		8.22	45.88	20	ORNL Inverts	3	2	yes
APDA789	APDA789B7S1DUP	INORG	Copper	7440-50-8	42		1.37		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Manganese	7439-96-5	287	J	0.384		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Mercury	7439-97-6	0.0592	J	0.0157		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Titanium	7440-32-6	1,220		5.21		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
APDA789	APDA789B7S1DUP	INORG	Zinc	7440-66-6	61.1		4.53		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B7S1DUP	PEST	Chlordane (total)	57-74-9	0.00097	J	0.0064		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B7S1DUP	VOC	Benzene	71-43-2	0.001	J	0.0008		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B8S1	INORG	Barium	7440-39-3	162		0.259		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B8S1	INORG	Boron	7440-42-8	36.3		5.77		8.22	28.08	20	ORNL Inverts	2	1	yes
APDA789	APDA789B8S1	INORG	Copper	7440-50-8	47.2		1.3		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
APDA789	APDA789B8S1	INORG	Manganese	7439-96-5	567	J	0.363		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
APDA789	APDA789B8S1	INORG	Mercury	7439-97-6	0.0847	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
APDA789	APDA789B8S1	INORG	Titanium	7440-32-6	1,430		9.85		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
APDA789	APDA789B8S1	INORG	Zinc	7440-66-6	62.1		4.28		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
APDA789	APDA789B8S1	PEST	Chlordane (total)	57-74-9	0.0017	NJ	0.00023		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B8S1	PEST	Endosulfan sulfate	1031-07-8	0.0031		0.00044		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B8S1	PEST	Methoxychlor	72-43-5	0.0069	J	0.0023		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B8S1	SVOC	CS	2698-41-1	0.39	J	0.22		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789B8S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.14	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
APDA789	APDA789S2S1	PEST	Aldrin	309-00-2	0.00026	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	INORG	Barium	7440-39-3	115		0.047		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B103	B103B1S1	INORG	Copper	7440-50-8	12.3		0.235		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B103	B103B1S1	INORG	Manganese	7439-96-5	351		0.329		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B103	B103B1S1	INORG	Titanium	7440-32-6	1,800		8.94		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B103	B103B1S1	INORG	Zinc	7440-66-6	177		3.88		89.55	87.45	120	EcoSSL Inverts	1	0.7	yes
B103	B103B1S1	SVOC	Anthracene	120-12-7	0.066	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Benzo(a)anthracene	56-55-3	0.17	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Benzo(a)pyrene	50-32-8	0.12	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.17	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Chrysene	218-01-9	0.15	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Fluoranthene	206-44-0	0.34		0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	PAHs (High MW)	130498-29-2H	1.472	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	PAHs (Low MW)	130498-29-2L	0.416	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	PAHs (total)	130498-29-2	1.888	J	0.04		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B103	B103B1S1	SVOC	Phenanthrene	85-01-8	0.25		0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B1S1	SVOC	Pyrene	129-00-0	0.31		0.04		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B2S1	INORG	Barium	7440-39-3	95.6		0.0471		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B103	B103B2S1	INORG	Copper	7440-50-8	13.5		0.235		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B103	B103B2S1	INORG	Manganese	7439-96-5	236		0.33		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B103	B103B2S1	INORG	Mercury	7439-97-6	0.0308	J	0.0128		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B103	B103B2S1	INORG	Titanium	7440-32-6	1,650		8.95		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B103	B103B2S1	INORG	Zinc	7440-66-6	55.5		0.777		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B103	B103B3S1	INORG	Barium	7440-39-3	301		0.222		235.76	65.24	330	EcoSSL Inverts	0.9	0.2	yes
B103	B103B3S1	INORG	Copper	7440-50-8	22.4		0.222		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B103	B103B3S1	INORG	Manganese	7439-96-5	383		0.311		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B103	B103B3S1	INORG	Mercury	7439-97-6	0.0174	J	0.0123		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B103	B103B3S1	INORG	Perchlorate	14797-73-0	0.015		0.0024		--	no bkg	1	NCEA	0.02	0.02	yes
B103	B103B3S1	INORG	Titanium	7440-32-6	2,730		10.5		2,309	421	1,000	ORNL Inverts	3	0.4	yes
B103	B103B3S1	INORG	Zinc	7440-66-6	104		0.732		89.55	14.45	120	EcoSSL Inverts	0.9	0.1	yes
B103	B103B3S1	SVOC	Chrysene	218-01-9	0.045	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B3S1	SVOC	PAHs (High MW)	130498-29-2H	0.216	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B3S1	SVOC	PAHs (total)	130498-29-2	0.349	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B103	B103B3S1	SVOC	Phenol	108-95-2	0.96		0.038		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B1S1	INORG	Barium	7440-39-3	101		0.046		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B1S1	INORG	Boron	7440-42-8	1.48	J	1.02		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B104145	B104145B1S1	INORG	Copper	7440-50-8	14.7	J	0.23		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B1S1	INORG	Manganese	7439-96-5	1,410	J	0.322		1,127	283	450	EcoSSL Inverts	3	0.6	yes
B104145	B104145B1S1	INORG	Mercury	7439-97-6	0.0275	J+	0.013		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B104145	B104145B1S1	INORG	Titanium	7440-32-6	1,060		4.37		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B104145	B104145B1S1	INORG	Zinc	7440-66-6	37.2	J	0.759		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B1S1DUP	INORG	Barium	7440-39-3	107		0.0446		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	2.35	J	0.993		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B104145	B104145B1S1DUP	INORG	Copper	7440-50-8	19	J	0.223		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B1S1DUP	INORG	Manganese	7439-96-5	1,410	J	0.312		1,127	283	450	EcoSSL Inverts	3	0.6	yes
B104145	B104145B1S1DUP	INORG	Mercury	7439-97-6	0.0406	J+	0.0128		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B104145	B104145B1S1DUP	INORG	Perchlorate	14797-73-0	0.0053	J	0.0024		--	no bkg	1	NCEA	0.005	0.005	yes
B104145	B104145B1S1DUP	INORG	Titanium	7440-32-6	1,130		2.12		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B104145	B104145B1S1DUP	INORG	Zinc	7440-66-6	43.1	J	0.736		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B2S1	INORG	Barium	7440-39-3	74.1		0.0521		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B2S1	INORG	Copper	7440-50-8	15.9	J	0.26		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B2S1	INORG	Manganese	7439-96-5	117	J	0.0729		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B2S1	INORG	Mercury	7439-97-6	0.0835	J+	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B104145	B104145B2S1	INORG	Titanium	7440-32-6	1,100		4.95		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B104145	B104145B2S1	INORG	Zinc	7440-66-6	37.7	J	0.859		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B2S1	PEST	Aldrin	309-00-2	0.0061	J	0.0044		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	PEST	beta-BHC	319-85-7	0.04	J	0.025		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	PEST	Chlordane (total)	57-74-9	0.0074	J	0.0044		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	PEST	Endrin aldehyde	7421-93-4	0.0097	J	0.0086		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	PEST	Lindane	58-89-9	0.0095	J	0.0044		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	PEST	Methoxychlor	72-43-5	0.05	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B2S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	1.4		0.087		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B3S1	INORG	Barium	7440-39-3	154		0.245		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B104145	B104145B3S1	INORG	Boron	7440-42-8	3.9	J	1.09		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B104145	B104145B3S1	INORG	Copper	7440-50-8	22.4	J	0.245		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B3S1	INORG	Manganese	7439-96-5	339	J	0.344		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B104145	B104145B3S1	INORG	Mercury	7439-97-6	0.0417	J+	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B104145	B104145B3S1	INORG	Perchlorate	14797-73-0	0.0036	J	0.0026		--	no bkg	1	NCEA	0.004	0.004	yes
B104145	B104145B3S1	INORG	Titanium	7440-32-6	1,990		2.33		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B104145	B104145B3S1	INORG	Zinc	7440-66-6	62.8	J	0.81		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B104145	B104145B4S1	INORG	Barium	7440-39-3	91.5		0.0476		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B4S1	INORG	Boron	7440-42-8	5.73	J	1.06		8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
B104145	B104145B4S1	INORG	Copper	7440-50-8	16.3	J	0.238		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B4S1	INORG	Manganese	7439-96-5	178	J	0.333		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B4S1	INORG	Mercury	7439-97-6	0.0708	J+	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B104145	B104145B4S1	INORG	Perchlorate	14797-73-0	0.013		0.0025		--	no bkg	1	NCEA	0.01	0.01	yes
B104145	B104145B4S1	INORG	Titanium	7440-32-6	1,460		2.26		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B104145	B104145B4S1	INORG	Zinc	7440-66-6	45.8	J	0.785		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B4S1	VOC	Acetone	67-64-1	0.014	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B5S1	INORG	Barium	7440-39-3	143		0.25		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B5S1	INORG	Boron	7440-42-8	3.53	J	1.11		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B104145	B104145B5S1	INORG	Copper	7440-50-8	37.1	J	0.25		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B104145	B104145B5S1	INORG	Manganese	7439-96-5	253	J	0.35		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B104145	B104145B5S1	INORG	Mercury	7439-97-6	0.216	J+	0.0135		0.09	0.126	0.1	ORNL Inverts	2	1	yes
B104145	B104145B5S1	INORG	Titanium	7440-32-6	1,740		2.37		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B104145	B104145B5S1	INORG	Zinc	7440-66-6	72.8	J	0.824		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B104145	B104145B5S1	Nitroaromatics	HMX	2691-41-0	0.67	J	0.31		--	no bkg	600	Exp EcoSSL	0.001	0.001	yes
B104145	B104145B6S1	INORG	Barium	7440-39-3	86.3		0.051		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B6S1	INORG	Boron	7440-42-8	1.65	J	1.13		8.22	<BKG	20	ORNL Inverts	0.08	<BKG	yes
B104145	B104145B6S1	INORG	Copper	7440-50-8	17.1	J	0.255		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B104145	B104145B6S1	INORG	Manganese	7439-96-5	193	J	0.357		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B6S1	INORG	Mercury	7439-97-6	0.0523	J+	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B104145	B104145B6S1	INORG	Titanium	7440-32-6	1,020		4.84		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B104145	B104145B6S1	INORG	Zinc	7440-66-6	89	J	0.841		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B104145	B104145B6S1	Nitroaromatics	HMX	2691-41-0	0.43	J	0.33		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
B104145	B104145B6S1	PEST	beta-BHC	319-85-7	0.029	J	0.012		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B6S1	PEST	Endosulfan	115-29-7	0.099		0.0043		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B6S1	PEST	Endosulfan sulfate	1031-07-8	0.45		0.043		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B6S1	PEST	Heptachlor epoxide	1024-57-3	0.0051	J	0.0022		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B6S1	SVOC	Benzoic acid	65-85-0	0.25	J	0.22		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B6S1	SVOC	Phenol	108-95-2	2.5		0.043		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B7S1	INORG	Barium	7440-39-3	103		0.0489		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B104145	B104145B7S1	INORG	Copper	7440-50-8	11.2	J	0.244		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B104145	B104145B7S1	INORG	Manganese	7439-96-5	361	J	0.342		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B104145	B104145B7S1	INORG	Mercury	7439-97-6	0.0434	J+	0.0143		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B104145	B104145B7S1	INORG	Titanium	7440-32-6	749		4.64		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B104145	B104145B7S1	INORG	Zinc	7440-66-6	54.5	J	0.806		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B104145	B104145B7S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B8S1	INORG	Barium	7440-39-3	144		0.255		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B104145	B104145B8S1	INORG	Boron	7440-42-8	2.16	J	1.14		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B104145	B104145B8S1	INORG	Copper	7440-50-8	159	J	1.28		52.77	106.23	80	EcoSSL Inverts	2	1	yes
B104145	B104145B8S1	INORG	Manganese	7439-96-5	354	J	0.358		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B104145	B104145B8S1	INORG	Mercury	7439-97-6	0.0874	J+	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.9	<BKG	yes
B104145	B104145B8S1	INORG	Perchlorate	14797-73-0	0.0029	J	0.0027		--	no bkg	1	NCEA	0.003	0.003	yes
B104145	B104145B8S1	INORG	Titanium	7440-32-6	1,570		2.43		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B104145	B104145B8S1	INORG	Zinc	7440-66-6	139	J	4.21		89.55	49.45	120	EcoSSL Inverts	1	0.4	yes
B104145	B104145B8S1	SVOC	2-Methyl naphthalene	91-57-6	0.046	J	0.043		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B104145	B104145B8S1	SVOC	PAHs (Low MW)	130498-29-2L	0.175	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B8S1	SVOC	PAHs (total)	130498-29-2	0.39	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B104145	B104145B8S1	VOC	Acetone	67-64-1	0.012	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	INORG	Barium	7440-39-3	204		0.241		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B10S1	INORG	Copper	7440-50-8	33.3		1.21		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B10S1	INORG	Manganese	7439-96-5	949		0.675		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B105139	B105139B10S1	INORG	Titanium	7440-32-6	3,550		22.9		2,309	1,241	1,000	ORNL Inverts	4	1	yes
B105139	B105139B10S1	INORG	Zinc	7440-66-6	149		3.98		89.55	59.45	120	EcoSSL Inverts	1	0.5	yes
B105139	B105139B10S1	SVOC	Acenaphthene	83-32-9	0.065	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Anthracene	120-12-7	0.1	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Benzo(a)anthracene	56-55-3	0.26		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Benzo(a)pyrene	50-32-8	0.24		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.33		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Carbazole	86-74-8	0.065	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Chrysene	218-01-9	0.22		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Fluoranthene	206-44-0	0.57		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Fluorene	86-73-7	0.049	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	PAHs (High MW)	130498-29-2H	2.623	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	PAHs (Low MW)	130498-29-2L	0.6555	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	PAHs (total)	130498-29-2	3.2785	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Phenanthrene	85-01-8	0.38		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	SVOC	Pyrene	129-00-0	0.54		0.041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B10S1	VOC	Acetone	67-64-1	0.027	J	0.01		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B11S1	INORG	Barium	7440-39-3	99.3		0.0519		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B11S1	INORG	Boron	7440-42-8	17.3		1.15		8.22	9.08	20	ORNL Inverts	0.9	0.5	yes
B105139	B105139B11S1	INORG	Copper	7440-50-8	32.1		0.259		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B11S1	INORG	Manganese	7439-96-5	306		0.363		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B105139	B105139B11S1	INORG	Mercury	7439-97-6	0.052	J	0.0144		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B105139	B105139B11S1	INORG	Titanium	7440-32-6	1,390		9.86		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B11S1	INORG	Zinc	7440-66-6	72.7		0.856		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B12S1	INORG	Barium	7440-39-3	100		0.049		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B12S1	INORG	Copper	7440-50-8	28.5		0.245		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B12S1	INORG	Manganese	7439-96-5	75.2		0.0686		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B12S1	INORG	Mercury	7439-97-6	0.0422	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B105139	B105139B12S1	INORG	Titanium	7440-32-6	1,410		9.31		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B12S1	INORG	Zinc	7440-66-6	34.7		0.809		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B12S1	PEST	Chlordane (total)	57-74-9	0.0022		0.00021		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B13S1	INORG	Barium	7440-39-3	123		0.0531		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B13S1	INORG	Copper	7440-50-8	16.2		0.266		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B13S1	INORG	Manganese	7439-96-5	343		0.372		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B105139	B105139B13S1	INORG	Mercury	7439-97-6	0.0482	J	0.0152		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B105139	B105139B13S1	INORG	Titanium	7440-32-6	1,140		5.05		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B13S1	INORG	Zinc	7440-66-6	32.5		0.877		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B13S1	SVOC	Benzoic acid	65-85-0	0.27	J	0.23		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B13S1	VOC	Acetone	67-64-1	0.02	J	0.014		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B14S1	INORG	Barium	7440-39-3	71.3		0.048		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Copper	7440-50-8	11.4		0.24		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B105139	B105139B14S1	INORG	Manganese	7439-96-5	72.2	J-	0.0672		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Mercury	7439-97-6	0.0182	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B105139	B105139B14S1	INORG	Titanium	7440-32-6	1,140		9.12		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B14S1	INORG	Zinc	7440-66-6	31.9		0.792		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B105139	B105139B1S1	INORG	Barium	7440-39-3	170		0.226		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B105139	B105139B1S1	INORG	Copper	7440-50-8	30.5		0.226		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B1S1	INORG	Manganese	7439-96-5	666	J-	1.27		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B105139	B105139B1S1	INORG	Mercury	7439-97-6	0.0147	J	0.0127		0.09	<BKG	0.1	ORNL Inverts	0.1	<BKG	yes
B105139	B105139B1S1	INORG	Titanium	7440-32-6	1,770		8.59		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B105139	B105139B1S1	INORG	Zinc	7440-66-6	76.8		0.746		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.5		0.11		--	no bkg	16	Exp EcoSSL	0.03	0.03	yes
B105139	B105139B1S1	SVOC	Fluoranthene	206-44-0	0.44	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B1S1	SVOC	PAHs (High MW)	130498-29-2H	2.36	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B1S1	SVOC	PAHs (total)	130498-29-2	3.69	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B1S1	SVOC	Pyrene	129-00-0	0.4	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B1S1	VOC	Acetone	67-64-1	0.11	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	INORG	Barium	7440-39-3	108		0.0475		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B2S1	INORG	Copper	7440-50-8	26.7		0.238		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B2S1	INORG	Manganese	7439-96-5	399	J-	0.666		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B105139	B105139B2S1	INORG	Mercury	7439-97-6	0.0161	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B105139	B105139B2S1	INORG	Titanium	7440-32-6	1,480		9.03		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B2S1	INORG	Zinc	7440-66-6	70		0.784		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B2S1	PEST	Chlordane (total)	57-74-9	0.0042		0.0002		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	PEST	Heptachlor epoxide	1024-57-3	0.00031	J	0.0002		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Benzo(a)anthracene	56-55-3	0.044	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Benzo(a)pyrene	50-32-8	0.042	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.061	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Chrysene	218-01-9	0.046	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Fluoranthene	206-44-0	0.088	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	PAHs (High MW)	130498-29-2H	0.432	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.166	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	PAHs (total)	130498-29-2	0.598	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Phenanthrene	85-01-8	0.046	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	SVOC	Pyrene	129-00-0	0.071	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B2S1	VOC	Acetone	67-64-1	0.019	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B3S1	INORG	Barium	7440-39-3	63.3		0.0463		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B3S1	INORG	Boron	7440-42-8	8.96		1.03		8.22	0.74	20	ORNL Inverts	0.4	0.04	yes
B105139	B105139B3S1	INORG	Copper	7440-50-8	7.84		0.231		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B105139	B105139B3S1	INORG	Manganese	7439-96-5	112		0.0648		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B3S1	INORG	Mercury	7439-97-6	0.0345	J	0.0134		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B105139	B105139B3S1	INORG	Perchlorate	14797-73-0	0.0029	J	0.0025		--	no bkg	1	NCEA	0.003	0.003	yes
B105139	B105139B3S1	INORG	Titanium	7440-32-6	1,160		4.4		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B3S1	INORG	Zinc	7440-66-6	32.6		0.764		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B3S1DUP	INORG	Barium	7440-39-3	72		0.0459		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B3S1DUP	INORG	Boron	7440-42-8	11.2		1.02		8.22	2.98	20	ORNL Inverts	0.6	0.1	yes
B105139	B105139B3S1DUP	INORG	Copper	7440-50-8	10.2		0.229		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B105139	B105139B3S1DUP	INORG	Manganese	7439-96-5	105		0.0643		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B3S1DUP	INORG	Mercury	7439-97-6	0.0423	J	0.0131		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B105139	B105139B3S1DUP	INORG	Perchlorate	14797-73-0	0.0026	J	0.0025		--	no bkg	1	NCEA	0.003	0.003	yes
B105139	B105139B3S1DUP	INORG	Titanium	7440-32-6	1,410		8.72		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B3S1DUP	INORG	Zinc	7440-66-6	36.8		0.757		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B4S1	INORG	Barium	7440-39-3	137		0.212		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B105139	B105139B4S1	INORG	Copper	7440-50-8	71.3		0.212		52.77	18.53	80	EcoSSL Inverts	0.9	0.2	yes
B105139	B105139B4S1	INORG	Manganese	7439-96-5	316	J-	0.296		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B105139	B105139B4S1	INORG	Mercury	7439-97-6	0.179		0.0122		0.09	0.089	0.1	ORNL Inverts	2	0.9	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B105139	B105139B4S1	INORG	Titanium	7440-32-6	1,790		8.05		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B105139	B105139B4S1	INORG	Zinc	7440-66-6	137		3.49		89.55	47.45	120	EcoSSL Inverts	1	0.4	yes
B105139	B105139B4S1	SVOC	Anthracene	120-12-7	0.61	J	0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Benzo(a)anthracene	56-55-3	2.1		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Benzo(a)pyrene	50-32-8	2.6		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Benzo(b)fluoranthene	205-99-2	3		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Chrysene	218-01-9	2.1		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Fluoranthene	206-44-0	4.3		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	PAHs (High MW)	130498-29-2H	23.47	J	0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	PAHs (Low MW)	130498-29-2L	3.81	J	0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	PAHs (total)	130498-29-2	27.28	J	0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Phenanthrene	85-01-8	2.3		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B4S1	SVOC	Pyrene	129-00-0	4.1		0.36		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	INORG	Barium	7440-39-3	89.7		0.0448		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B5S1	INORG	Copper	7440-50-8	111		0.224		52.77	58.23	80	EcoSSL Inverts	1	0.7	yes
B105139	B105139B5S1	INORG	Manganese	7439-96-5	621	J-	1.25		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B105139	B105139B5S1	INORG	Mercury	7439-97-6	0.0193	J	0.0125		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B105139	B105139B5S1	INORG	Titanium	7440-32-6	1,250		8.51		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B5S1	INORG	Zinc	7440-66-6	72.4		0.739		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B5S1	SVOC	Anthracene	120-12-7	0.57	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Benzo(a)anthracene	56-55-3	2.3		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Benzo(a)pyrene	50-32-8	2.7		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Benzo(b)fluoranthene	205-99-2	3.4		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Carbazole	86-74-8	0.56	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Chrysene	218-01-9	2.2		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Fluoranthene	206-44-0	4.3		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	PAHs (High MW)	130498-29-2H	24.83	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	PAHs (Low MW)	130498-29-2L	3.62	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	PAHs (total)	130498-29-2	28.45	J	0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Phenanthrene	85-01-8	2.1		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	SVOC	Pyrene	129-00-0	4.2		0.38		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B5S1	VOC	Acetone	67-64-1	0.072	J	0.013		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	INORG	Barium	7440-39-3	182		0.248		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B6S1	INORG	Copper	7440-50-8	40.4		0.248		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B105139	B105139B6S1	INORG	Manganese	7439-96-5	553	J-	0.348		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B105139	B105139B6S1	INORG	Mercury	7439-97-6	0.0213	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B105139	B105139B6S1	INORG	Titanium	7440-32-6	2,170		9.44		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B105139	B105139B6S1	INORG	Zinc	7440-66-6	88.9		0.82		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B105139	B105139B6S1	PEST	4,4'-DDT	50-29-3	0.0034		0.00041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	PEST	Chlordane (total)	57-74-9	0.00056	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	PEST	Endosulfan	115-29-7	0.0032	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	PEST	Endrin	72-20-8	0.00042	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	PEST	Lindane	58-89-9	0.0037	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	PEST	Methoxychlor	72-43-5	0.013	J	0.0021		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Benzo(a)anthracene	56-55-3	0.9	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Benzo(a)pyrene	50-32-8	0.89	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Benzo(b)fluoranthene	205-99-2	1.3	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Chrysene	218-01-9	0.9	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Fluoranthene	206-44-0	2.1		0.42		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B105139	B105139B6S1	SVOC	PAHs (High MW)	130498-29-2H	9.73	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	PAHs (Low MW)	130498-29-2L	2.56	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	PAHs (total)	130498-29-2	12.29	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Phenanthrene	85-01-8	1.3	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	SVOC	Pyrene	129-00-0	1.8	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B6S1	VOC	Acetone	67-64-1	0.021	J	0.013		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	INORG	Barium	7440-39-3	215		0.227		235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
B105139	B105139B7S1	INORG	Copper	7440-50-8	46.7		0.227		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B105139	B105139B7S1	INORG	Manganese	7439-96-5	1,190		1.27		1,127	63	450	EcoSSL Inverts	3	0.1	yes
B105139	B105139B7S1	INORG	Titanium	7440-32-6	2,430		21.5		2,309	121	1,000	ORNL Inverts	2	0.1	yes
B105139	B105139B7S1	INORG	Zinc	7440-66-6	108		0.749		89.55	18.45	120	EcoSSL Inverts	0.9	0.2	yes
B105139	B105139B7S1	SVOC	Acenaphthene	83-32-9	1.7	J	0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Anthracene	120-12-7	4.6		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Benzo(a)anthracene	56-55-3	14		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Benzo(a)pyrene	50-32-8	14		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Benzo(b)fluoranthene	205-99-2	17		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Carbazole	86-74-8	2.4		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Chrysene	218-01-9	12		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Dibenzofuran	132-64-9	0.78	J	0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Fluoranthene	206-44-0	29		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Fluorene	86-73-7	1.6	J	0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	PAHs (High MW)	130498-29-2H	138.9		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	PAHs (Low MW)	130498-29-2L	25.485	J	0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	PAHs (total)	130498-29-2	164.385	J	0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Phenanthrene	85-01-8	17		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	SVOC	Pyrene	129-00-0	26		0.39		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	VOC	Acetone	67-64-1	0.14	J	0.012		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B7S1	VOC	Toluene	108-88-3	0.019		0.002		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	INORG	Barium	7440-39-3	174		0.247		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B105139	B105139B8S1	INORG	Boron	7440-42-8	7.8		1.1		8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B105139	B105139B8S1	INORG	Copper	7440-50-8	247		1.24		52.77	194.23	80	EcoSSL Inverts	3	2	yes
B105139	B105139B8S1	INORG	Manganese	7439-96-5	336		0.346		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B105139	B105139B8S1	INORG	Mercury	7439-97-6	0.0243	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B105139	B105139B8S1	INORG	Titanium	7440-32-6	1,250		9.39		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B8S1	INORG	Zinc	7440-66-6	223		4.08		89.55	133.45	120	EcoSSL Inverts	2	1	yes
B105139	B105139B8S1	SVOC	Acenaphthene	83-32-9	2.6		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Acenaphthylene	208-96-8	0.43	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Anthracene	120-12-7	12		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Benzo(a)anthracene	56-55-3	25		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Benzo(a)pyrene	50-32-8	22		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Benzo(b)fluoranthene	205-99-2	29		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	2.1	J	0.83		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Carbazole	86-74-8	2	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Chrysene	218-01-9	23		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Dibenzofuran	132-64-9	1.7	J	0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Fluoranthene	206-44-0	51		2.1		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Fluorene	86-73-7	4.2		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	PAHs (High MW)	130498-29-2H	240.8		2.1		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	PAHs (Low MW)	130498-29-2L	53.65	J	0.42		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B105139	B105139B8S1	SVOC	PAHs (total)	130498-29-2	294.45	J	2.1		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Phenanthrene	85-01-8	34		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	SVOC	Pyrene	129-00-0	48		0.42		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B8S1	VOC	Acetone	67-64-1	0.051	J	0.01		--	no bkg	NA	Soil EqP	--	--	--
B105139	B105139B9S1	INORG	Barium	7440-39-3	68.3		0.0408		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B105139	B105139B9S1	INORG	Copper	7440-50-8	8.3		0.204		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B105139	B105139B9S1	INORG	Manganese	7439-96-5	148		0.286		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B105139	B105139B9S1	INORG	Mercury	7439-97-6	0.0142	J	0.0115		0.09	<BKG	0.1	ORNL Inverts	0.1	<BKG	yes
B105139	B105139B9S1	INORG	Titanium	7440-32-6	1,230		7.76		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B105139	B105139B9S1	INORG	Zinc	7440-66-6	31.8		0.674		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B106	B106B1S1	INORG	Barium	7440-39-3	156		0.0482		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B106	B106B1S1	INORG	Boron	7440-42-8	5.37	J	1.07		8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
B106	B106B1S1	INORG	Copper	7440-50-8	14.6		0.241		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B106	B106B1S1	INORG	Manganese	7439-96-5	237		0.0675		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B106	B106B1S1	INORG	Mercury	7439-97-6	0.0196	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B106	B106B1S1	INORG	Thallium	7440-28-0	1.81	J	1.75		4.1	<BKG	4.1	Background	0.4	<BKG	yes
B106	B106B1S1	INORG	Titanium	7440-32-6	1,630		9.16		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B106	B106B1S1	INORG	Zinc	7440-66-6	47		0.795		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B106	B106B1S1	PEST	Endosulfan	115-29-7	0.017		0.0013		--	no bkg	NA	Soil EqP	--	--	--
B106	B106B1S1	PEST	Endosulfan sulfate	1031-07-8	0.00066	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B106	B106S2S1	INORG	Barium	7440-39-3	163		0.0481		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B106	B106S2S1	INORG	Copper	7440-50-8	27.3		0.24		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B106	B106S2S1	INORG	Manganese	7439-96-5	367		0.0673		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B106	B106S2S1	INORG	Mercury	7439-97-6	0.0345	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B106	B106S2S1	INORG	Thallium	7440-28-0	4.23		1.74		4.1	0.13	4.1	Background	1	0.03	yes
B106	B106S2S1	INORG	Titanium	7440-32-6	2,000		9.13		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B106	B106S2S1	INORG	Zinc	7440-66-6	122		0.793		89.55	32.45	120	EcoSSL Inverts	1	0.3	yes
B107	B107B1S1	INORG	Barium	7440-39-3	154		0.246		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B107	B107B1S1	INORG	Boron	7440-42-8	4.64	J	1.1		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B107	B107B1S1	INORG	Copper	7440-50-8	34.6		0.246		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B107	B107B1S1	INORG	Manganese	7439-96-5	700		0.345		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B107	B107B1S1	INORG	Titanium	7440-32-6	1,170		2.34		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B107	B107B1S1	INORG	Zinc	7440-66-6	57.8		0.829		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B107	B107B1S1	PEST	4,4'-DDT	50-29-3	0.0019	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B1S1	PEST	beta-BHC	319-85-7	0.0022	J	0.0012		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B1S1	PEST	Chlordane (total)	57-74-9	0.0016	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B1S1	PEST	Endosulfan	115-29-7	0.004		0.00041		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	INORG	Barium	7440-39-3	156		0.252		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B107	B107B2S1	INORG	Boron	7440-42-8	7.56		1.12		8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B107	B107B2S1	INORG	Copper	7440-50-8	31.1		0.252		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B107	B107B2S1	INORG	Manganese	7439-96-5	493		0.353		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B107	B107B2S1	INORG	Titanium	7440-32-6	1,340		2.39		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B107	B107B2S1	INORG	Zinc	7440-66-6	85.2		0.823		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B107	B107B2S1	Nitroaromatics	HMX	2691-41-0	0.4	J	0.32		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
B107	B107B2S1	SVOC	Benzo(a)anthracene	56-55-3	0.092	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Benzo(a)pyrene	50-32-8	0.086	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.093	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.33	J	0.086		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Chrysene	218-01-9	0.096	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Fluoranthene	206-44-0	0.16	J	0.043		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B107	B107B2S1	SVOC	PAHs (High MW)	130498-29-2H	0.8805	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.249	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	PAHs (total)	130498-29-2	1.1295	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Phenanthrene	85-01-8	0.12	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B2S1	SVOC	Pyrene	129-00-0	0.15	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	INORG	Barium	7440-39-3	271		0.271		235.76	35.24	330	EcoSSL Inverts	0.8	0.1	yes
B107	B107B3S1	INORG	Boron	7440-42-8	8.18		1.21		8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B107	B107B3S1	INORG	Copper	7440-50-8	65.9		0.271		52.77	13.13	80	EcoSSL Inverts	0.8	0.2	yes
B107	B107B3S1	INORG	Manganese	7439-96-5	1,890		0.379		1,127	763	450	EcoSSL Inverts	4	2	yes
B107	B107B3S1	INORG	Titanium	7440-32-6	1,430		2.57		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B107	B107B3S1	INORG	Zinc	7440-66-6	35.7		0.911		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B107	B107B3S1	SVOC	1-Methylnaphthalene	90-12-0	0.074	J	0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.11	J	0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Acenaphthene	83-32-9	0.81		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Anthracene	120-12-7	1.7		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Benzo(a)anthracene	56-55-3	3		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Benzo(a)pyrene	50-32-8	2.6		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	3.4		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Carbazole	86-74-8	0.74		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Chrysene	218-01-9	3.1		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Dibenzofuran	132-64-9	0.43		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Fluoranthene	206-44-0	5.5		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Fluorene	86-73-7	0.75		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	PAHs (High MW)	130498-29-2H	28.24		0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	PAHs (Low MW)	130498-29-2L	9.0675	J	0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	PAHs (total)	130498-29-2	37.3075	J	0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Phenanthrene	85-01-8	5.6		0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Phenol	108-95-2	0.071	J	0.047		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B3S1	SVOC	Pyrene	129-00-0	5.9		0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B4S1	INORG	Barium	7440-39-3	202		0.218		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B107	B107B4S1	INORG	Boron	7440-42-8	3.82	J	0.969		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B107	B107B4S1	INORG	Copper	7440-50-8	15.9		0.218		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B107	B107B4S1	INORG	Manganese	7439-96-5	398		0.305		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B107	B107B4S1	INORG	Titanium	7440-32-6	2,140		2.07		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B107	B107B4S1	INORG	Zinc	7440-66-6	45.1		0.719		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B107	B107B4S1	SVOC	Phenol	108-95-2	0.054	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B5S1	INORG	Barium	7440-39-3	75.5		0.0458		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B107	B107B5S1	INORG	Boron	7440-42-8	14.1		1.02		8.22	5.88	20	ORNL Inverts	0.7	0.3	yes
B107	B107B5S1	INORG	Copper	7440-50-8	25.2		0.229		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B107	B107B5S1	INORG	Manganese	7439-96-5	377		0.321		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B107	B107B5S1	INORG	Perchlorate	14797-73-0	0.0046	J	0.0025		--	no bkg	1	NCEA	0.005	0.005	yes
B107	B107B5S1	INORG	Titanium	7440-32-6	900		2.18		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B107	B107B5S1	INORG	Zinc	7440-66-6	46.4		0.749		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B107	B107B5S1	SVOC	Phenol	108-95-2	0.39		0.039		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B5S1	VOC	Acetone	67-64-1	0.12		0.008		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	INORG	Barium	7440-39-3	97.9		0.0631		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B107	B107B6S1	INORG	Boron	7440-42-8	1.49	J	1.4		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B107	B107B6S1	INORG	Copper	7440-50-8	21.2		0.315		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B107	B107B6S1	INORG	Manganese	7439-96-5	111		0.0883		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B107	B107B6S1	INORG	Titanium	7440-32-6	890		3		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B107	B107B6S1	INORG	Zinc	7440-66-6	93.3		1.03		89.55	3.75	120	EcoSSL Inverts	0.8	0.03	yes
B107	B107B6S1	PEST	Endosulfan	115-29-7	0.0078		0.00052		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	PEST	Lindane	58-89-9	0.00033	J	0.00027		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	VOC	Ethylbenzene	100-41-4	13	J	0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	VOC	Methyl acetate	79-20-9	0.49	J	0.19		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	VOC	Styrene	100-42-5	7	J	0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107B6S1	VOC	Trichloroethylene	79-01-6	0.66	J	0.094		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S1S1	INORG	Barium	7440-39-3	92		0.0507		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B107	B107S1S1	INORG	Boron	7440-42-8	2.5	J	1.13		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B107	B107S1S1	INORG	Copper	7440-50-8	25.2		0.254		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B107	B107S1S1	INORG	Manganese	7439-96-5	180		0.355		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B107	B107S1S1	INORG	Titanium	7440-32-6	1,240		2.41		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B107	B107S1S1	INORG	Zinc	7440-66-6	36.6		0.854		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B107	B107S1S1	SVOC	Fluoranthene	206-44-0	0.047	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S1S1	SVOC	PAHs (High MW)	130498-29-2H	0.273	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S1S1	SVOC	PAHs (total)	130498-29-2	0.427	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S1S1	SVOC	Pyrene	129-00-0	0.05	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S2S1	VOC	Acetone	67-64-1	0.22		0.009		--	no bkg	NA	Soil EqP	--	--	--
B107	B107S3S1	VOC	Acetone	67-64-1	0.022		0.007		--	no bkg	NA	Soil EqP	--	--	--
B108	B108B2S1	INORG	Barium	7440-39-3	125		0.226		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B108	B108B2S1	INORG	Boron	7440-42-8	14.1		1		8.22	5.88	20	ORNL Inverts	0.7	0.3	yes
B108	B108B2S1	INORG	Copper	7440-50-8	16.5		0.226		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B108	B108B2S1	INORG	Manganese	7439-96-5	478		0.316		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B108	B108B2S1	INORG	Mercury	7439-97-6	0.0326	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B108	B108B2S1	INORG	Thallium	7440-28-0	3.52		1.64		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B108	B108B2S1	INORG	Titanium	7440-32-6	1,390		4.29		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B108	B108B2S1	INORG	Zinc	7440-66-6	46.1		0.745		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B108	B108S1S1	INORG	Barium	7440-39-3	97.3		0.0472		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B108	B108S1S1	INORG	Boron	7440-42-8	16.5		1.05		8.22	8.28	20	ORNL Inverts	0.8	0.4	yes
B108	B108S1S1	INORG	Copper	7440-50-8	30.6		0.236		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B108	B108S1S1	INORG	Manganese	7439-96-5	461		0.661		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B108	B108S1S1	INORG	Mercury	7439-97-6	0.0411	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B108	B108S1S1	INORG	Thallium	7440-28-0	3.46	J	1.71		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B108	B108S1S1	INORG	Titanium	7440-32-6	1,020		4.48		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B108	B108S1S1	INORG	Zinc	7440-66-6	56.6		0.779		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B108	B108S1S1DUP	INORG	Barium	7440-39-3	97.4		0.0471		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B108	B108S1S1DUP	INORG	Boron	7440-42-8	21.7		1.05		8.22	13.48	20	ORNL Inverts	1	0.7	yes
B108	B108S1S1DUP	INORG	Copper	7440-50-8	32.9		0.236		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B108	B108S1S1DUP	INORG	Manganese	7439-96-5	419		0.33		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B108	B108S1S1DUP	INORG	Mercury	7439-97-6	0.0405	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	4.51		1.71		4.1	0.41	4.1	Background	1	0.1	yes
B108	B108S1S1DUP	INORG	Titanium	7440-32-6	1,050		4.48		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B108	B108S1S1DUP	INORG	Zinc	7440-66-6	59.8		0.777		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B109137	B109137B1S1	INORG	Barium	7440-39-3	51.3		0.048		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B109137	B109137B1S1	INORG	Copper	7440-50-8	31.9		1.2		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B109137	B109137B1S1	INORG	Manganese	7439-96-5	306		0.336		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B109137	B109137B1S1	INORG	Mercury	7439-97-6	0.0555	J	0.0131		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B109137	B109137B1S1	INORG	Titanium	7440-32-6	811		4.56		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B109137	B109137B1S1	INORG	Zinc	7440-66-6	43.9		3.96		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B109137	B109137B1S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.16	J	0.08		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B2S1	INORG	Barium	7440-39-3	67.6		0.0516		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B109137	B109137B2S1	INORG	Copper	7440-50-8	45.7		1.29		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B109137	B109137B2S1	INORG	Manganese	7439-96-5	294		0.361		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B109137	B109137B2S1	INORG	Mercury	7439-97-6	0.0565	J	0.0149		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B109137	B109137B2S1	INORG	Titanium	7440-32-6	979		4.9		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B109137	B109137B2S1	INORG	Zinc	7440-66-6	30.8		4.25		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B109137	B109137B2S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	INORG	Barium	7440-39-3	74.3		0.0471		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B109137	B109137B3S1	INORG	Boron	7440-42-8	12.6		1.05		8.22	4.38	20	ORNL Inverts	0.6	0.2	yes
B109137	B109137B3S1	INORG	Copper	7440-50-8	23.2		0.235		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B109137	B109137B3S1	INORG	Manganese	7439-96-5	532	J	0.0659		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B109137	B109137B3S1	INORG	Mercury	7439-97-6	0.0639	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B109137	B109137B3S1	INORG	Thallium	7440-28-0	2.85	J	1.71		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B109137	B109137B3S1	INORG	Titanium	7440-32-6	751		4.47		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B109137	B109137B3S1	INORG	Zinc	7440-66-6	23.9		0.777		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B109137	B109137B3S1	SVOC	1-Methylnaphthalene	90-12-0	0.041	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.055	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Acenaphthene	83-32-9	0.67		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Anthracene	120-12-7	1.6		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Benzo(a)anthracene	56-55-3	4.4		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Benzo(a)pyrene	50-32-8	4.3		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	5.2		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.2	J	0.081		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Butylbenzylphthalate	85-68-7	0.34		0.081		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Carbazole	86-74-8	1.4		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Chrysene	218-01-9	4.7		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Dibenzofuran	132-64-9	0.28		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Fluoranthene	206-44-0	9.2		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Fluorene	86-73-7	0.51		0.04		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	PAHs (High MW)	130498-29-2H	43.9		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	PAHs (Low MW)	130498-29-2L	8.296	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	PAHs (total)	130498-29-2	52.196	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Phenanthrene	85-01-8	5.4		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	SVOC	Pyrene	129-00-0	6.8		0.2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	VOC	Acetone	67-64-1	0.011	J	0.007		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B3S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109137B8B1	VOC	Acetone	67-64-1	0.054		0.01		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	1,1'-Biphenyl	92-52-4	2.2		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	1-Methylnaphthalene	90-12-0	31		0.81		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	2-Methyl naphthalene	91-57-6	50		0.81		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Anthracene	120-12-7	0.71		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Benzo(a)anthracene	56-55-3	0.77		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Benzo(a)pyrene	50-32-8	0.24		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Benzo(b)fluoranthene	205-99-2	1.6		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Chrysene	218-01-9	1.2		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Fluoranthene	206-44-0	2.4		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Fluorene	86-73-7	2.3		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	PAHs (High MW)	130498-29-2H	10.42		0.041		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B109137	B109BS1A	SVOC	PAHs (Low MW)	130498-29-2L	1.9	J	0.087		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	PAHs (Low MW)	130498-29-2L	103.051	J	0.81		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	PAHs (total)	130498-29-2	1.9	J	0.087		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	PAHs (total)	130498-29-2	113.471	J	0.81		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Phenanthrene	85-01-8	19		0.81		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	SVOC	Pyrene	129-00-0	1.8		0.041		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	VOC	Ethylbenzene	100-41-4	0.17	J	0.087		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1A	VOC	Xylenes (total)	1330-20-7	1.61		0.087		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1B	SVOC	PAHs (Low MW)	130498-29-2L	0.004	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1B	SVOC	PAHs (Low MW)	130498-29-2L	0.256	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1B	SVOC	PAHs (total)	130498-29-2	0.004	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1B	SVOC	PAHs (total)	130498-29-2	0.466	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109BS1B	SVOC	Phenanthrene	85-01-8	0.13	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	1,1'-Biphenyl	92-52-4	3.2		0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	1-Methylnaphthalene	90-12-0	42		0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	2-Methyl naphthalene	91-57-6	69		2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	Anthracene	120-12-7	0.75	J	0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	Dibenzofuran	132-64-9	2.6		0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	Fluoranthene	206-44-0	0.66	J	0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	PAHs (High MW)	130498-29-2H	3.3	J	0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	PAHs (Low MW)	130498-29-2L	7.6	J	0.088		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	PAHs (Low MW)	130498-29-2L	136.365	J	2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	PAHs (total)	130498-29-2	7.6	J	0.088		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	PAHs (total)	130498-29-2	139.665	J	2		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	Phenanthrene	85-01-8	24		0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	SVOC	Pyrene	129-00-0	1	J	0.41		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	VOC	Ethylbenzene	100-41-4	0.99	J	0.088		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	VOC	Toluene	108-88-3	0.18	J	0.088		--	no bkg	NA	Soil EqP	--	--	--
B109137	B109SS1A	VOC	Xylenes (total)	1330-20-7	7.6	J	0.088		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	INORG	Barium	7440-39-3	207		0.0625		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B110111112	B110111112B1S1	INORG	Boron	7440-42-8	15.2		1.39		8.22	6.98	20	ORNL Inverts	0.8	0.3	yes
B110111112	B110111112B1S1	INORG	Copper	7440-50-8	139	J	0.312		52.77	86.23	80	EcoSSL Inverts	2	1	yes
B110111112	B110111112B1S1	INORG	Manganese	7439-96-5	1,140		0.875		1,127	13	450	EcoSSL Inverts	3	0.03	yes
B110111112	B110111112B1S1	INORG	Mercury	7439-97-6	0.0474	J	0.0178		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B110111112	B110111112B1S1	INORG	Thallium	7440-28-0	5.85		2.26		4.1	1.75	4.1	Background	1	0.4	yes
B110111112	B110111112B1S1	INORG	Titanium	7440-32-6	1,390		5.93		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B1S1	INORG	Zinc	7440-66-6	99.7		1.03		89.55	10.15	120	EcoSSL Inverts	0.8	0.08	yes
B110111112	B110111112B1S1	PEST	beta-BHC	319-85-7	0.0054	J	0.0015		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	PEST	Endosulfan	115-29-7	0.0036	J	0.00052		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	PEST	Endrin aldehyde	7421-93-4	0.00074	NJ	0.00052		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	PEST	Heptachlor epoxide	1024-57-3	0.00042	J	0.00027		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	PEST	Lindane	58-89-9	0.00034	J	0.00027		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B1S1	VOC	Toluene	108-88-3	0.002	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1	INORG	Barium	7440-39-3	132		0.0486		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B2S1	INORG	Boron	7440-42-8	14.1		1.08		8.22	5.88	20	ORNL Inverts	0.7	0.3	yes
B110111112	B110111112B2S1	INORG	Copper	7440-50-8	25.2		0.243		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B2S1	INORG	Manganese	7439-96-5	466		0.068		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B110111112	B110111112B2S1	INORG	Mercury	7439-97-6	0.0283	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B110111112	B110111112B2S1	INORG	Thallium	7440-28-0	3.72		1.76		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B110111112	B110111112B2S1	INORG	Titanium	7440-32-6	1,490		9.23		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B2S1	INORG	Zinc	7440-66-6	51.5		0.802		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B110111112	B110111112B2S1	PEST	Lindane	58-89-9	0.00035	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1	PEST	Methoxychlor	72-43-5	0.0035	J	0.0021		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1	VOC	Toluene	108-88-3	0.001	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	INORG	Barium	7440-39-3	120		0.0468		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Boron	7440-42-8	13.2		1.04		8.22	4.98	20	ORNL Inverts	0.7	0.2	yes
B110111112	B110111112B2S1DUP	INORG	Copper	7440-50-8	25.1		0.234		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Manganese	7439-96-5	408		0.0655		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Mercury	7439-97-6	0.0263	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Thallium	7440-28-0	3.95		1.7		4.1	<BKG	4.1	Background	1	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Titanium	7440-32-6	1,390		8.89		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B2S1DUP	INORG	Zinc	7440-66-6	50.2		0.772		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B2S1DUP	SVOC	Benzo(a)anthracene	56-55-3	0.055	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Benzo(a)pyrene	50-32-8	0.046	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.072	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Chrysene	218-01-9	0.054	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Fluoranthene	206-44-0	0.088	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	PAHs (High MW)	130498-29-2H	0.466	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	PAHs (Low MW)	130498-29-2L	0.172	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	PAHs (total)	130498-29-2	0.638	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Phenanthrene	85-01-8	0.052	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	SVOC	Pyrene	129-00-0	0.071	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B2S1DUP	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B3S1	INORG	Barium	7440-39-3	104		0.0487		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B3S1	INORG	Copper	7440-50-8	35.1		1.22		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B3S1	INORG	Manganese	7439-96-5	175		0.0681		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B3S1	INORG	Mercury	7439-97-6	0.0292	J	0.0138		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B110111112	B110111112B3S1	INORG	Titanium	7440-32-6	1,580		9.24		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B110111112	B110111112B3S1	INORG	Zinc	7440-66-6	83.5		4.01		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B110111112	B110111112B3S1	Nitroaromatics	HMX	2691-41-0	0.63	J	0.31		--	no bkg	600	Exp EcoSSL	0.001	0.001	yes
B110111112	B110111112B3S1	PEST	Endosulfan	115-29-7	0.0006	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B3S1	PEST	Heptachlor epoxide	1024-57-3	0.00033	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B4S1	INORG	Barium	7440-39-3	155		0.049		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B110111112	B110111112B4S1	INORG	Boron	7440-42-8	14.5		1.09		8.22	6.28	20	ORNL Inverts	0.7	0.3	yes
B110111112	B110111112B4S1	INORG	Copper	7440-50-8	27.7		0.245		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B4S1	INORG	Manganese	7439-96-5	596		0.0686		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B110111112	B110111112B4S1	INORG	Mercury	7439-97-6	0.0195	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B110111112	B110111112B4S1	INORG	Thallium	7440-28-0	3.52	J	1.78		4.1	<BKG	4.1	Background	0.9	<BKG	yes
B110111112	B110111112B4S1	INORG	Titanium	7440-32-6	1,380		9.31		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B4S1	INORG	Zinc	7440-66-6	43.7		0.809		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B4S1	PEST	Endosulfan	115-29-7	0.0009	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B4S1	PEST	Lindane	58-89-9	0.00024	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B5S1	INORG	Barium	7440-39-3	161		0.0472		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B110111112	B110111112B5S1	INORG	Copper	7440-50-8	42.3		1.18		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B110111112	B110111112B5S1	INORG	Manganese	7439-96-5	989		0.661		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B110111112	B110111112B5S1	INORG	Mercury	7439-97-6	0.0356	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B110111112	B110111112B5S1	INORG	Titanium	7440-32-6	1,350		8.97		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B5S1	INORG	Zinc	7440-66-6	62.1		3.89		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B110111112	B110111112B5S1	PEST	Endosulfan	115-29-7	0.00048	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	INORG	Barium	7440-39-3	105		0.0492		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B6S1	INORG	Copper	7440-50-8	23.2		1.23		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B6S1	INORG	Manganese	7439-96-5	427		0.344		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B110111112	B110111112B6S1	INORG	Mercury	7439-97-6	0.0541	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B110111112	B110111112B6S1	INORG	Titanium	7440-32-6	1,220		9.35		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B6S1	INORG	Zinc	7440-66-6	47.5		4.06		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B110111112	B110111112B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.97	J	0.12		--	no bkg	16	Exp EcoSSL	0.06	0.06	yes
B110111112	B110111112B6S1	SVOC	1,1'-Biphenyl	92-52-4	0.053	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	1-Methylnaphthalene	90-12-0	0.074	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	2-Methyl naphthalene	91-57-6	0.12	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Acenaphthene	83-32-9	0.73	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Anthracene	120-12-7	1.2	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Benzo(a)anthracene	56-55-3	1.7	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Benzo(a)pyrene	50-32-8	1.4	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Benzo(b)fluoranthene	205-99-2	1.7	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Carbazole	86-74-8	0.56	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Chrysene	218-01-9	1.6	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Dibenzofuran	132-64-9	0.46	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Fluoranthene	206-44-0	3.9	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Fluorene	86-73-7	0.72	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	PAHs (High MW)	130498-29-2H	16.18	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	PAHs (Low MW)	130498-29-2L	7.2645	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	PAHs (total)	130498-29-2	23.4445	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Phenanthrene	85-01-8	4.4	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	SVOC	Pyrene	129-00-0	3.3	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B6S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B7S1	INORG	Barium	7440-39-3	115		0.0476		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B7S1	INORG	Boron	7440-42-8	13.8		1.06		8.22	5.58	20	ORNL Inverts	0.7	0.3	yes
B110111112	B110111112B7S1	INORG	Copper	7440-50-8	26.4		0.238		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B7S1	INORG	Manganese	7439-96-5	316		0.0666		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B110111112	B110111112B7S1	INORG	Mercury	7439-97-6	0.0361	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B110111112	B110111112B7S1	INORG	Thallium	7440-28-0	3.96		1.73		4.1	<BKG	4.1	Background	1	<BKG	yes
B110111112	B110111112B7S1	INORG	Titanium	7440-32-6	1,100		9.04		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B110111112	B110111112B7S1	INORG	Zinc	7440-66-6	31.4		0.785		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B110111112	B110111112B7S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.11	J	0.081		--	no bkg	NA	Soil EqP	--	--	--
B110111112	B110111112B7S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B10S1	INORG	Barium	7440-39-3	94.9		0.0478		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B10S1	INORG	Boron	7440-42-8	11.4		1.06		8.22	3.18	20	ORNL Inverts	0.6	0.2	yes
B113	B113B10S1	INORG	Copper	7440-50-8	48.6		0.239		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B113	B113B10S1	INORG	Manganese	7439-96-5	232		0.067		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B113	B113B10S1	INORG	Mercury	7439-97-6	0.0353	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B113	B113B10S1	INORG	Thallium	7440-28-0	2.33	J	1.73		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B113	B113B10S1	INORG	Titanium	7440-32-6	1,380		9.09		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B10S1	INORG	Zinc	7440-66-6	128		0.789		89.55	38.45	120	EcoSSL Inverts	1	0.3	yes
B113	B113B10S1	PEST	Aldrin	309-00-2	0.086	J	0.021		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B10S1	SVOC	CS	2698-41-1	0.25	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B10S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.071	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B10S1	SVOC	Phenol	108-95-2	0.41		0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	INORG	Barium	7440-39-3	121		0.0479		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B113	B113B11S1	INORG	Boron	7440-42-8	23.4		1.07		8.22	15.18	20	ORNL Inverts	1	0.8	yes
B113	B113B11S1	INORG	Copper	7440-50-8	43		0.24		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B113	B113B11S1	INORG	Manganese	7439-96-5	478		0.0671		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B113	B113B11S1	INORG	Mercury	7439-97-6	0.0164	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B113	B113B11S1	INORG	Titanium	7440-32-6	1,880		9.1		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B113	B113B11S1	INORG	Zinc	7440-66-6	104		0.79		89.55	14.45	120	EcoSSL Inverts	0.9	0.1	yes
B113	B113B11S1	PEST	Aldrin	309-00-2	0.0028		0.0002		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	PEST	Endosulfan	115-29-7	0.01		0.0013		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	PEST	Endosulfan sulfate	1031-07-8	0.00086	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	PEST	Lindane	58-89-9	0.00087	J	0.0002		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	PEST	Methoxychlor	72-43-5	0.0077	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	Benzo(a)pyrene	50-32-8	0.045	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.045	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	Chrysene	218-01-9	0.053	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	Fluoranthene	206-44-0	0.057	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	PAHs (High MW)	130498-29-2H	0.363	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	PAHs (total)	130498-29-2	0.503	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1	SVOC	Pyrene	129-00-0	0.063	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	INORG	Barium	7440-39-3	127		0.0483		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B113	B113B11S1DUP	INORG	Boron	7440-42-8	22.7		1.07		8.22	14.48	20	ORNL Inverts	1	0.7	yes
B113	B113B11S1DUP	INORG	Copper	7440-50-8	40.4		0.241		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B113	B113B11S1DUP	INORG	Manganese	7439-96-5	509		0.0676		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B113	B113B11S1DUP	INORG	Mercury	7439-97-6	0.0317	J	0.013		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B113	B113B11S1DUP	INORG	Titanium	7440-32-6	1,960		9.17		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B113	B113B11S1DUP	INORG	Zinc	7440-66-6	109		0.796		89.55	19.45	120	EcoSSL Inverts	0.9	0.2	yes
B113	B113B11S1DUP	PEST	Aldrin	309-00-2	0.0037		0.00021		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	PEST	Endosulfan	115-29-7	0.0071	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	PEST	Endrin	72-20-8	0.0007	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	PEST	Endrin aldehyde	7421-93-4	0.0027	J	0.0004		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	PEST	Lindane	58-89-9	0.0011		0.00021		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	PEST	Methoxychlor	72-43-5	0.019	J	0.0021		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Benzo(a)anthracene	56-55-3	0.066	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Benzo(a)pyrene	50-32-8	0.063	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.057	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Chrysene	218-01-9	0.07	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Fluoranthene	206-44-0	0.073	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	PAHs (High MW)	130498-29-2H	0.523	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	PAHs (Low MW)	130498-29-2L	0.173	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	PAHs (total)	130498-29-2	0.696	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Phenanthrene	85-01-8	0.053	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B11S1DUP	SVOC	Pyrene	129-00-0	0.081	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B1S1	INORG	Barium	7440-39-3	42.1	J	0.243		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B113	B113B1S1	INORG	Boron	7440-42-8	17.5	J	5.41		8.22	9.28	20	ORNL Inverts	0.9	0.5	yes
B113	B113B1S1	INORG	Copper	7440-50-8	28.5	J	1.22		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B113	B113B1S1	INORG	Manganese	7439-96-5	149	J	0.34		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B1S1	INORG	Mercury	7439-97-6	0.0716	J	0.0138		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B113	B113B1S1	INORG	Titanium	7440-32-6	947		4.62		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B113	B113B1S1	INORG	Zinc	7440-66-6	31		4.01		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B2S1	INORG	Barium	7440-39-3	91.7	J	0.0491		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B2S1	INORG	Boron	7440-42-8	3.91	J	1.09		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B113	B113B2S1	INORG	Copper	7440-50-8	53.9	J	0.245		52.77	1.13	80	EcoSSL Inverts	0.7	0.01	yes
B113	B113B2S1	INORG	Manganese	7439-96-5	311	J	0.0687		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B113	B113B2S1	INORG	Mercury	7439-97-6	0.0464	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B113	B113B2S1	INORG	Thallium	7440-28-0	3.06	J	1.78		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B113	B113B2S1	INORG	Titanium	7440-32-6	1,240		9.32		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B2S1	INORG	Zinc	7440-66-6	936		8.1		89.55	846.45	120	EcoSSL Inverts	8	7	yes
B113	B113B2S1	SVOC	Benzo(a)anthracene	56-55-3	0.064	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Benzo(a)pyrene	50-32-8	0.056	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.077	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.097	J	0.083		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Chrysene	218-01-9	0.078	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Fluoranthene	206-44-0	0.095	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.15	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	PAHs (High MW)	130498-29-2H	0.5715	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.18	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	PAHs (total)	130498-29-2	0.7515	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Phenanthrene	85-01-8	0.057	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B2S1	SVOC	Pyrene	129-00-0	0.094	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	INORG	Barium	7440-39-3	106		0.0436		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B3S1	INORG	Boron	7440-42-8	4.06	J	0.969		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B113	B113B3S1	INORG	Copper	7440-50-8	1.82		0.218		52.77	<BKG	80	EcoSSL Inverts	0.02	<BKG	yes
B113	B113B3S1	INORG	Manganese	7439-96-5	94.1		0.061		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B113	B113B3S1	INORG	Titanium	7440-32-6	975		8.28		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B3S1	INORG	Zinc	7440-66-6	41.3		0.719		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B3S1	SVOC	Benzo(a)anthracene	56-55-3	0.092	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Benzo(a)pyrene	50-32-8	0.1	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.12	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Chrysene	218-01-9	0.095	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Fluoranthene	206-44-0	0.13	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.26		0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	PAHs (High MW)	130498-29-2H	0.874	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	PAHs (Low MW)	130498-29-2L	0.176	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	PAHs (total)	130498-29-2	1.05	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Phenanthrene	85-01-8	0.068	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Phenol	108-95-2	0.039	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	SVOC	Pyrene	129-00-0	0.12	J	0.036		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B3S1	VOC	Tetrachloroethylene	127-18-4	0.006	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B4S1	INORG	Barium	7440-39-3	106		0.045		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B4S1	INORG	Boron	7440-42-8	12.3		1		8.22	4.08	20	ORNL Inverts	0.6	0.2	yes
B113	B113B4S1	INORG	Copper	7440-50-8	18.5		0.225		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B113	B113B4S1	INORG	Manganese	7439-96-5	1,400		1.26		1,127	273	450	EcoSSL Inverts	3	0.6	yes
B113	B113B4S1	INORG	Titanium	7440-32-6	1,520		8.55		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B113	B113B4S1	INORG	Zinc	7440-66-6	187		0.743		89.55	97.45	120	EcoSSL Inverts	2	0.8	yes
B113	B113B4S1	VOC	Tetrachloroethylene	127-18-4	0.27		0.002		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B4S1	VOC	Toluene	108-88-3	0.004	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	INORG	Barium	7440-39-3	101		0.0478		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B5S1	INORG	Boron	7440-42-8	10.7		1.06		8.22	2.48	20	ORNL Inverts	0.5	0.1	yes
B113	B113B5S1	INORG	Copper	7440-50-8	78		0.239		52.77	25.23	80	EcoSSL Inverts	1	0.3	yes
B113	B113B5S1	INORG	Manganese	7439-96-5	227		1.34		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B113	B113B5S1	INORG	Mercury	7439-97-6	0.0722	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B113	B113B5S1	INORG	Thallium	7440-28-0	2.75	J	1.73		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B113	B113B5S1	INORG	Titanium	7440-32-6	1,420		9.09		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B5S1	INORG	Zinc	7440-66-6	84.7		0.789		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B113	B113B5S1	SVOC	Acenaphthene	83-32-9	0.041	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Benzo(a)anthracene	56-55-3	0.047	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Benzo(a)pyrene	50-32-8	0.051	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.047	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Benzoic acid	65-85-0	0.26	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.12	J	0.081		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Chrysene	218-01-9	0.063	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Fluoranthene	206-44-0	0.11	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.77		0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	PAHs (High MW)	130498-29-2H	0.51	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	PAHs (Low MW)	130498-29-2L	0.3235	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	PAHs (total)	130498-29-2	0.8335	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Phenanthrene	85-01-8	0.18	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Phenol	108-95-2	0.068	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	SVOC	Pyrene	129-00-0	0.11	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	VOC	Tetrachloroethylene	127-18-4	0.017		0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B5S1	VOC	Trichloroethylene	79-01-6	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6B1	VOC	Acetone	67-64-1	0.029		0.007		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6B1	VOC	Cyclohexane	110-82-7	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	INORG	Barium	7440-39-3	78.3		0.0507		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B113	B113B6S1	INORG	Boron	7440-42-8	12.5		1.13		8.22	4.28	20	ORNL Inverts	0.6	0.2	yes
B113	B113B6S1	INORG	Copper	7440-50-8	56.6		0.254		52.77	3.83	80	EcoSSL Inverts	0.7	0.05	yes
B113	B113B6S1	INORG	Cyanide	57-12-5	0.27	J	0.22		--	no bkg	1.33	Region 5	0.2	0.2	yes
B113	B113B6S1	INORG	Manganese	7439-96-5	122		0.071		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B6S1	INORG	Mercury	7439-97-6	0.0649	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B113	B113B6S1	INORG	Thallium	7440-28-0	3.24	J	1.84		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B113	B113B6S1	INORG	Titanium	7440-32-6	1,590		9.63		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B113	B113B6S1	INORG	Zinc	7440-66-6	799		8.37		89.55	709.45	120	EcoSSL Inverts	7	6	yes
B113	B113B6S1	Nitroaromatics	RDX	121-82-4	0.27	J	0.13		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
B113	B113B6S1	SVOC	Acenaphthene	83-32-9	0.12	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Anthracene	120-12-7	0.091	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Benzo(a)anthracene	56-55-3	0.23		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Benzo(a)pyrene	50-32-8	0.24		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.26		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Benzophenone	119-61-9	0.11	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.48		0.085		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Carbazole	86-74-8	0.081	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Chrysene	218-01-9	0.29		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	CS	2698-41-1	0.48	J	0.21		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Dibenzofuran	132-64-9	0.051	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Fluoranthene	206-44-0	0.35		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Fluorene	86-73-7	0.059	J	0.043		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B113	B113B6S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	2.2		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	PAHs (High MW)	130498-29-2H	2.2015	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	PAHs (Low MW)	130498-29-2L	0.6345	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	PAHs (total)	130498-29-2	2.836	J	0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Phenanthrene	85-01-8	0.3		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Phenol	108-95-2	1.5		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	SVOC	Pyrene	129-00-0	0.36		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	Acetone	67-64-1	0.028		0.009		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	cis-1,2-Dichloroethene	156-59-2	0.06		0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	Cyclohexane	110-82-7	0.15		0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	t-Butyl alcohol	75-65-0	0.14		0.026		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	Tetrachloroethylene	127-18-4	0.003	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B6S1	VOC	Trichloroethylene	79-01-6	0.094		0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B7S1	INORG	Barium	7440-39-3	82.8		0.0469		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B113	B113B7S1	INORG	Copper	7440-50-8	40.6		0.237		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B113	B113B7S1	INORG	Manganese	7439-96-5	238		0.328		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B113	B113B7S1	INORG	Mercury	7439-97-6	0.0392	J	0.0134		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B113	B113B7S1	INORG	Thallium	7440-28-0	4.63		1.7		4.1	0.53	4.1	Background	1	0.1	yes
B113	B113B7S1	INORG	Titanium	7440-32-6	1,470		8.91		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B7S1	INORG	Zinc	7440-66-6	363		3.87		89.55	273.45	120	EcoSSL Inverts	3	2	yes
B113	B113B7S1	SVOC	Phenol	108-95-2	0.62		0.04		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B8S1	INORG	Barium	7440-39-3	161		0.224		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B113	B113B8S1	INORG	Copper	7440-50-8	109		0.228		52.77	56.23	80	EcoSSL Inverts	1	0.7	yes
B113	B113B8S1	INORG	Manganese	7439-96-5	190		0.313		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B113	B113B8S1	INORG	Perchlorate	14797-73-0	0.0027	J	0.0024		--	no bkg	1	NCEA	0.003	0.003	yes
B113	B113B8S1	INORG	Titanium	7440-32-6	2,730		21.2		2,309	421	1,000	ORNL Inverts	3	0.4	yes
B113	B113B8S1	INORG	Zinc	7440-66-6	181		3.69		89.55	91.45	120	EcoSSL Inverts	2	0.8	yes
B113	B113B8S1	SVOC	1,2-Diphenylhydrazine	122-66-7	0.25		0.039		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B8S1	SVOC	Aniline	62-53-3	2		0.19		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B8S1	VOC	1,2-Dichloroethane	107-06-2	0.004	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B8S1	VOC	Benzene	71-43-2	0.001	J	0.0007		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B8S1	VOC	Tetrachloroethylene	127-18-4	0.019	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B9S1	INORG	Barium	7440-39-3	126		0.051		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B113	B113B9S1	INORG	Boron	7440-42-8	13		1.13		8.22	4.78	20	ORNL Inverts	0.7	0.2	yes
B113	B113B9S1	INORG	Copper	7440-50-8	85.9		0.255		52.77	33.13	80	EcoSSL Inverts	1	0.4	yes
B113	B113B9S1	INORG	Manganese	7439-96-5	399		0.0714		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B113	B113B9S1	INORG	Mercury	7439-97-6	0.0681	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B113	B113B9S1	INORG	Thallium	7440-28-0	3.1	J	1.85		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B113	B113B9S1	INORG	Titanium	7440-32-6	1,400		9.68		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B113	B113B9S1	INORG	Zinc	7440-66-6	143		0.841		89.55	53.45	120	EcoSSL Inverts	1	0.4	yes
B113	B113B9S1	PEST	Aldrin	309-00-2	0.32	J	0.022		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B9S1	PEST	Endrin aldehyde	7421-93-4	0.57	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B9S1	SVOC	Phenol	108-95-2	0.93		0.043		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B9S1	VOC	t-Butyl alcohol	75-65-0	0.036	J	0.025		--	no bkg	NA	Soil EqP	--	--	--
B113	B113B9S1	VOC	Tetrachloroethylene	127-18-4	0.004	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	INORG	Barium	7440-39-3	109		0.0464		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B114	B114B2S1	INORG	Copper	7440-50-8	29.9	J	0.232		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B114	B114B2S1	INORG	Mercury	7439-97-6	0.0273	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B114	B114B2S1	INORG	Perchlorate	14797-73-0	0.059		0.0025		--	no bkg	1	NCEA	0.06	0.06	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B114	B114B2S1	INORG	Zinc	7440-66-6	76.4		0.766		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B114	B114B2S1	SVOC	Benzo(a)anthracene	56-55-3	0.063	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Benzo(a)pyrene	50-32-8	0.052	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.068	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Chrysene	218-01-9	0.073	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Fluoranthene	206-44-0	0.15	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	PAHs (High MW)	130498-29-2H	0.626	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.26	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	PAHs (total)	130498-29-2	0.886	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Phenanthrene	85-01-8	0.14	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1	SVOC	Pyrene	129-00-0	0.14	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	INORG	Barium	7440-39-3	118		0.0465		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B114	B114B2S1DUP	INORG	Copper	7440-50-8	35.2	J	0.232		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B114	B114B2S1DUP	INORG	Mercury	7439-97-6	0.0333	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B114	B114B2S1DUP	INORG	Perchlorate	14797-73-0	0.068		0.0025		--	no bkg	1	NCEA	0.07	0.07	yes
B114	B114B2S1DUP	INORG	Zinc	7440-66-6	87.9		0.767		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B114	B114B2S1DUP	SVOC	Benzo(a)anthracene	56-55-3	0.069	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Benzo(a)pyrene	50-32-8	0.05	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.066	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Chrysene	218-01-9	0.064	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Fluoranthene	206-44-0	0.15	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	PAHs (High MW)	130498-29-2H	0.617	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	PAHs (Low MW)	130498-29-2L	0.247	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	PAHs (total)	130498-29-2	0.864	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Phenanthrene	85-01-8	0.13	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B2S1DUP	SVOC	Pyrene	129-00-0	0.14	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B3S1	INORG	Barium	7440-39-3	80.1		0.0481		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B114	B114B3S1	INORG	Copper	7440-50-8	32	J	1.2		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B114	B114B3S1	INORG	Manganese	7439-96-5	402	J	0.337		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B114	B114B3S1	INORG	Mercury	7439-97-6	0.0519	J	0.0141		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B114	B114B3S1	INORG	Titanium	7440-32-6	1,020		4.57		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B114	B114B3S1	INORG	Zinc	7440-66-6	32		3.97		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B114	B114B3S1	PEST	Chlordane (total)	57-74-9	0.00043	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
B114	B114B3S1	PEST	Endosulfan	115-29-7	0.00032	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B1S1	INORG	Barium	7440-39-3	108		0.0451		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B1S1	INORG	Boron	7440-42-8	4.73	J	1		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B115	B115B1S1	INORG	Copper	7440-50-8	24.5		0.226		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B1S1	INORG	Manganese	7439-96-5	813		0.316		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B115	B115B1S1	INORG	Titanium	7440-32-6	1,140		2.14		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B115	B115B1S1	INORG	Zinc	7440-66-6	40.7		0.752		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B1S1	SVOC	Phenol	108-95-2	0.079	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B1S1	VOC	Toluene	108-88-3	0.001	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B1S1	VOC	Trichloroethylene	79-01-6	0.004	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	INORG	Barium	7440-39-3	129		0.0539		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B115	B115B2S1	INORG	Copper	7440-50-8	25.5		0.269		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B2S1	INORG	Manganese	7439-96-5	86.4		0.0754		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B115	B115B2S1	INORG	Mercury	7439-97-6	0.115	J	0.0153		0.09	0.025	0.1	ORNL Inverts	1	0.3	yes
B115	B115B2S1	INORG	Thallium	7440-28-0	5.66		1.95		4.1	1.56	4.1	Background	1	0.4	yes
B115	B115B2S1	INORG	Titanium	7440-32-6	995		5.12		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B115	B115B2S1	INORG	Zinc	7440-66-6	56.5		0.889		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B115	B115B2S1	PEST	4,4'-DDT	50-29-3	0.0028		0.00045		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	PEST	Aldrin	309-00-2	0.00026	J	0.00023		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	PEST	Chlordane (total)	57-74-9	0.0016	J	0.00023		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	PEST	Endosulfan	115-29-7	0.0017	J	0.00045		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	PEST	Endrin	72-20-8	0.0018	J	0.00045		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	PEST	Heptachlor epoxide	1024-57-3	0.0019	J	0.00023		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	1.1		0.092		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B2S1	VOC	Trichloroethylene	79-01-6	0.003	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B3S1	INORG	Barium	7440-39-3	106		0.0478		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B3S1	INORG	Boron	7440-42-8	3.05	J	1.06		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B115	B115B3S1	INORG	Copper	7440-50-8	28.5		0.239		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B115	B115B3S1	INORG	Manganese	7439-96-5	205		0.335		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B115	B115B3S1	INORG	Perchlorate	14797-73-0	0.0034	J	0.0026		--	no bkg	1	NCEA	0.003	0.003	yes
B115	B115B3S1	INORG	Titanium	7440-32-6	1,240		2.27		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B115	B115B3S1	INORG	Zinc	7440-66-6	41.2		0.774		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B3S1	SVOC	Phenol	108-95-2	0.056	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B4S1	INORG	Barium	7440-39-3	68.3		0.052		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B115	B115B4S1	INORG	Copper	7440-50-8	12.4		0.26		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B115	B115B4S1	INORG	Manganese	7439-96-5	87.9		0.0728		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B115	B115B4S1	INORG	Perchlorate	14797-73-0	0.0038	J	0.0028		--	no bkg	1	NCEA	0.004	0.004	yes
B115	B115B4S1	INORG	Titanium	7440-32-6	784		2.47		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B115	B115B4S1	INORG	Zinc	7440-66-6	38.7		0.85		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B115	B115B4S1	SVOC	Phenol	108-95-2	0.11	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B115	B115B4S1	VOC	Toluene	108-88-3	0.006	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B1S1	INORG	Barium	7440-39-3	161		0.241	5.55	235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B116128	B116128B1S1	INORG	Boron	7440-42-8	1.95	J	1.07	5.55	8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B116128	B116128B1S1	INORG	Copper	7440-50-8	14.4		0.241	5.55	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B116128	B116128B1S1	INORG	Manganese	7439-96-5	1,090		0.338	5.55	1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B116128	B116128B1S1	INORG	Titanium	7440-32-6	1,170		2.29	5.55	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B116128	B116128B1S1	INORG	Zinc	7440-66-6	41.3		0.811	5.55	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B116128	B116128B1S1	SVOC	Phenol	108-95-2	0.09	J	0.042	5.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B1S1	VOC	1,2-Dichloroethane	107-06-2	0.004	J	0.001	5.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B1S1	VOC	Tetrachloroethylene	127-18-4	0.001	J	0.001	5.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	INORG	Barium	7440-39-3	179		0.213	4.55	235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B116128	B116128B3S1	INORG	Boron	7440-42-8	2.45	J	0.946	4.55	8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B116128	B116128B3S1	INORG	Copper	7440-50-8	23.6		0.213	4.55	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B116128	B116128B3S1	INORG	Manganese	7439-96-5	796		0.298	4.55	1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B116128	B116128B3S1	INORG	Titanium	7440-32-6	1,720		2.02	4.55	2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B116128	B116128B3S1	INORG	Zinc	7440-66-6	45.9		0.702	4.55	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B116128	B116128B3S1	SVOC	Acenaphthene	83-32-9	0.18	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Anthracene	120-12-7	0.25		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Benzo(a)anthracene	56-55-3	0.78		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Benzo(a)pyrene	50-32-8	0.69		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.97		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Carbazole	86-74-8	0.16	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Chrysene	218-01-9	0.87		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Dibenzofuran	132-64-9	0.044	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Fluoranthene	206-44-0	1.4		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Fluorene	86-73-7	0.1	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	PAHs (High MW)	130498-29-2H	7.85	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B116128	B116128B3S1	SVOC	PAHs (Low MW)	130498-29-2L	1.7855	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	PAHs (total)	130498-29-2	9.6355	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Phenanthrene	85-01-8	1.2		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Phenol	108-95-2	0.043	J	0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	SVOC	Pyrene	129-00-0	1.6		0.037	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B3S1	VOC	1,2-Dichloroethane	107-06-2	0.002	J	0.002	4.55	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	INORG	Barium	7440-39-3	120		0.0512	5.15	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B116128	B116128B4S1	INORG	Boron	7440-42-8	10.6		1.14	5.15	8.22	2.38	20	ORNL Inverts	0.5	0.1	yes
B116128	B116128B4S1	INORG	Copper	7440-50-8	24.7		0.256	5.15	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B116128	B116128B4S1	INORG	Manganese	7439-96-5	279		0.0716	5.15	1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B116128	B116128B4S1	INORG	Mercury	7439-97-6	0.0275	J	0.014	5.15	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B116128	B116128B4S1	INORG	Thallium	7440-28-0	2.74	J	1.85	5.15	4.1	<BKG	4.1	Background	0.7	<BKG	yes
B116128	B116128B4S1	INORG	Titanium	7440-32-6	1,820		9.72	5.15	2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B116128	B116128B4S1	INORG	Zinc	7440-66-6	69.3		0.844	5.15	89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B116128	B116128B4S1	PEST	Endosulfan	115-29-7	0.017		0.0014	5.15	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	PEST	Endrin aldehyde	7421-93-4	0.00098	J	0.00043	5.15	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	PEST	Heptachlor epoxide	1024-57-3	0.00051	J	0.00022	5.15	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	PEST	Lindane	58-89-9	0.00055	J	0.00022	5.15	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	SVOC	Benzophenone	119-61-9	0.19	J	0.043	5.15	--	no bkg	NA	Soil EqP	--	--	--
B116128	B116128B4S1	VOC	Trichloroethylene	79-01-6	0.003	J	0.001	5.15	--	no bkg	NA	Soil EqP	--	--	--
B117	B117B1S1	INORG	Barium	7440-39-3	104		0.0471	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117B1S1	INORG	Boron	7440-42-8	24.9	J	5.24	5.335	8.22	16.68	20	ORNL Inverts	1	0.8	yes
B117	B117B1S1	INORG	Copper	7440-50-8	52		0.235	5.335	52.77	<BKG	80	EcoSSL Inverts	0.7	<BKG	yes
B117	B117B1S1	INORG	Manganese	7439-96-5	448	J	0.0659	5.335	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B117	B117B1S1	INORG	Mercury	7439-97-6	0.088	J	0.013	5.335	0.09	<BKG	0.1	ORNL Inverts	0.9	<BKG	yes
B117	B117B1S1	INORG	Titanium	7440-32-6	1,680		8.94	5.335	2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B117	B117B1S1	INORG	Zinc	7440-66-6	84.7		3.92	5.335	89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B117	B117B1S1	SVOC	Phenol	108-95-2	0.27		0.04	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S1S1	INORG	Barium	7440-39-3	100		0.0459	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S1S1	INORG	Boron	7440-42-8	9.25		1.02	5.335	8.22	1.03	20	ORNL Inverts	0.5	0.05	yes
B117	B117S1S1	INORG	Copper	7440-50-8	14.9		0.229	5.335	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B117	B117S1S1	INORG	Manganese	7439-96-5	190	J	0.0642	5.335	1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B117	B117S1S1	INORG	Mercury	7439-97-6	0.0289	J	0.0129	5.335	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B117	B117S1S1	INORG	Titanium	7440-32-6	1,080		4.36	5.335	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B117	B117S1S1	INORG	Zinc	7440-66-6	42.3		0.757	5.335	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B117	B117S1S1	PEST	Endosulfan	115-29-7	0.0029		0.00039	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S1S1DUP	INORG	Barium	7440-39-3	103		0.0467	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S1S1DUP	INORG	Boron	7440-42-8	8.72		1.04	5.335	8.22	0.5	20	ORNL Inverts	0.4	0.03	yes
B117	B117S1S1DUP	INORG	Copper	7440-50-8	14.4		0.233	5.335	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B117	B117S1S1DUP	INORG	Manganese	7439-96-5	208	J	0.0654	5.335	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B117	B117S1S1DUP	INORG	Mercury	7439-97-6	0.0357	J	0.0136	5.335	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B117	B117S1S1DUP	INORG	Titanium	7440-32-6	1,020		4.44	5.335	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B117	B117S1S1DUP	INORG	Zinc	7440-66-6	43.1		0.778	5.335	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B117	B117S1S1DUP	PEST	Endosulfan	115-29-7	0.0025		0.00039	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S2S1 Unspiked	INORG	Barium	7440-39-3	97.9		0.0496	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Boron	7440-42-8	7.78		1.1	5.335	8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Copper	7440-50-8	12		0.248	5.335	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Manganese	7439-96-5	213	J	0.0695	5.335	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Mercury	7439-97-6	0.023	J	0.0139	5.335	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Titanium	7440-32-6	926		4.71	5.335	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B117	B117S2S1 Unspiked	INORG	Zinc	7440-66-6	38.8		0.819	5.335	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S2S1 Unspiked	PEST	Endosulfan	115-29-7	0.00093	J	0.00041	5.335	--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B117	B117S2S1 Unspiked	PEST	Methoxychlor	72-43-5	0.0047	J	0.0021	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	INORG	Barium	7440-39-3	112		0.0512	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S3S1	INORG	Boron	7440-42-8	10.3		1.14	5.335	8.22	2.08	20	ORNL Inverts	0.5	0.1	yes
B117	B117S3S1	INORG	Copper	7440-50-8	32.2		0.256	5.335	52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B117	B117S3S1	INORG	Manganese	7439-96-5	591	J	0.0717	5.335	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B117	B117S3S1	INORG	Mercury	7439-97-6	0.0438	J	0.0146	5.335	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B117	B117S3S1	INORG	Titanium	7440-32-6	650		4.86	5.335	2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B117	B117S3S1	INORG	Zinc	7440-66-6	262		4.31	5.335	89.55	172.45	120	EcoSSL Inverts	2	1	yes
B117	B117S3S1	PEST	4,4'-DDT	50-29-3	0.0045	J	0.00043	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	PEST	Aldrin	309-00-2	0.01	J	0.0022	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	PEST	beta-BHC	319-85-7	0.023	J	0.013	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	PEST	Endosulfan	115-29-7	0.0027	J	0.034	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	PEST	Endosulfan sulfate	1031-07-8	0.013	J	0.00043	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Benzo(a)anthracene	56-55-3	0.055	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Benzo(a)pyrene	50-32-8	0.046	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.06	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.14	J	0.087	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Chrysene	218-01-9	0.066	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Fluoranthene	206-44-0	0.1	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	PAHs (High MW)	130498-29-2H	0.513	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	PAHs (Low MW)	130498-29-2L	0.191	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	PAHs (total)	130498-29-2	0.704	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Phenanthrene	85-01-8	0.059	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S3S1	SVOC	Pyrene	129-00-0	0.098	J	0.044	5.335	--	no bkg	NA	Soil EqP	--	--	--
B117	B117S4S1	INORG	Barium	7440-39-3	97.5		0.0495	5.335	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S4S1	INORG	Boron	7440-42-8	20		1.1	5.335	8.22	11.78	20	ORNL Inverts	1	0.6	yes
B117	B117S4S1	INORG	Copper	7440-50-8	23.8		1.24	5.335	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B117	B117S4S1	INORG	Manganese	7439-96-5	297		0.347	5.335	1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B117	B117S4S1	INORG	Mercury	7439-97-6	0.0441	J	0.014	5.335	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B117	B117S4S1	INORG	Titanium	7440-32-6	2,030		23.5	5.335	2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B117	B117S4S1	INORG	Zinc	7440-66-6	84.6		4.08	5.335	89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B119120	B119120B1S1	INORG	Barium	7440-39-3	117		0.047		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B119120	B119120B1S1	INORG	Boron	7440-42-8	12.4		1.05		8.22	4.18	20	ORNL Inverts	0.6	0.2	yes
B119120	B119120B1S1	INORG	Copper	7440-50-8	43.7		0.235		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B119120	B119120B1S1	INORG	Manganese	7439-96-5	458		0.0658		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B119120	B119120B1S1	INORG	Mercury	7439-97-6	0.0326	J	0.013		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B119120	B119120B1S1	INORG	Thallium	7440-28-0	4.95		1.7		4.1	0.85	4.1	Background	1	0.2	yes
B119120	B119120B1S1	INORG	Titanium	7440-32-6	1,390		8.93		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B119120	B119120B1S1	INORG	Zinc	7440-66-6	74.9		0.776		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B119120	B119120B1S1	Nitroaromatics	RDX	121-82-4	0.12	J	0.12		--	no bkg	99	Exp EcoSSL	0.001	0.001	yes
B119120	B119120B1S1	SVOC	1,1'-Biphenyl	92-52-4	0.14	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	1-Methylnaphthalene	90-12-0	0.23		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	2-Methyl naphthalene	91-57-6	0.31		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Acenaphthene	83-32-9	2.5		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Acenaphthylene	208-96-8	0.088	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Anthracene	120-12-7	5		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Benzo(a)anthracene	56-55-3	10		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Benzo(a)pyrene	50-32-8	9		0.4		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B119120	B119120B1S1	SVOC	Benzo(b)fluoranthene	205-99-2	11		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Carbazole	86-74-8	2.4		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Chrysene	218-01-9	9.7		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Dibenzofuran	132-64-9	1.3		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Fluoranthene	206-44-0	24		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Fluorene	86-73-7	2.4		0.04		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	PAHs (High MW)	130498-29-2H	101.3		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	PAHs (Low MW)	130498-29-2L	28.528	J	0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	PAHs (total)	130498-29-2	129.828	J	0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Phenanthrene	85-01-8	18		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B1S1	SVOC	Pyrene	129-00-0	20		0.4		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	INORG	Barium	7440-39-3	106		0.0462		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B119120	B119120B3S1	INORG	Boron	7440-42-8	14.7		1.03		8.22	6.48	20	ORNL Inverts	0.7	0.3	yes
B119120	B119120B3S1	INORG	Copper	7440-50-8	9.99		0.231		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B119120	B119120B3S1	INORG	Manganese	7439-96-5	194		0.0647		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B119120	B119120B3S1	INORG	Mercury	7439-97-6	0.0299	J	0.013		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B119120	B119120B3S1	INORG	Thallium	7440-28-0	2.11	J	1.67		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B119120	B119120B3S1	INORG	Titanium	7440-32-6	1,620		8.78		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B119120	B119120B3S1	INORG	Zinc	7440-66-6	53.3		0.762		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B119120	B119120B3S1	SVOC	1,1'-Biphenyl	92-52-4	0.068	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	1-Methylnaphthalene	90-12-0	0.13	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	2-Methyl naphthalene	91-57-6	0.16	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Acenaphthene	83-32-9	1.3		0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Acenaphthylene	208-96-8	0.066	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Anthracene	120-12-7	2.9		0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Benzo(a)anthracene	56-55-3	7		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Benzo(a)pyrene	50-32-8	6.5		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	7.3		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Carbazole	86-74-8	1.7		0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Chrysene	218-01-9	6.4		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Dibenzofuran	132-64-9	0.67		0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Fluoranthene	206-44-0	16		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Fluorene	86-73-7	1.2		0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	PAHs (High MW)	130498-29-2H	69.18		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	PAHs (Low MW)	130498-29-2L	16.756	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	PAHs (total)	130498-29-2	85.936	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Phenanthrene	85-01-8	11		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Phenol	108-95-2	0.047	J	0.039		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B3S1	SVOC	Pyrene	129-00-0	13		0.2		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	INORG	Barium	7440-39-3	179		0.045		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B119120	B119120B4S1	INORG	Boron	7440-42-8	12.8		1		8.22	4.58	20	ORNL Inverts	0.6	0.2	yes
B119120	B119120B4S1	INORG	Copper	7440-50-8	20.2		0.225		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B119120	B119120B4S1	INORG	Manganese	7439-96-5	262		0.0629		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B119120	B119120B4S1	INORG	Thallium	7440-28-0	1.75	J	1.63		4.1	<BKG	4.1	Background	0.4	<BKG	yes
B119120	B119120B4S1	INORG	Titanium	7440-32-6	1,650		8.54		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B119120	B119120B4S1	INORG	Zinc	7440-66-6	59.8		0.742		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B119120	B119120B4S1	Nitroaromatics	RDX	121-82-4	0.13	J	0.11		--	no bkg	99	Exp EcoSSL	0.001	0.001	yes
B119120	B119120B4S1	SVOC	1,1'-Biphenyl	92-52-4	0.048	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	1-Methylnaphthalene	90-12-0	0.091	J	0.038		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B119120	B119120B4S1	SVOC	2-Methyl naphthalene	91-57-6	0.1	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Acenaphthene	83-32-9	1		0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Acenaphthylene	208-96-8	0.1	J	0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Anthracene	120-12-7	2.8		0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Benzo(a)anthracene	56-55-3	7		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Benzo(a)pyrene	50-32-8	6.5		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Benzo(b)fluoranthene	205-99-2	8.7		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.31	J	0.076		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Carbazole	86-74-8	1.2		0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Chrysene	218-01-9	6.6		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Dibenzofuran	132-64-9	0.52		0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Fluoranthene	206-44-0	16		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Fluorene	86-73-7	1		0.038		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	PAHs (High MW)	130498-29-2H	71.2		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	PAHs (Low MW)	130498-29-2L	15.091	J	0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	PAHs (total)	130498-29-2	86.291	J	0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Phenanthrene	85-01-8	10		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	SVOC	Pyrene	129-00-0	13		0.19		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120B4S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	INORG	Barium	7440-39-3	133		0.244		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B119120	B119120S1S1	INORG	Boron	7440-42-8	18.5	J	5.44		8.22	10.28	20	ORNL Inverts	0.9	0.5	yes
B119120	B119120S1S1	INORG	Copper	7440-50-8	57		1.22		52.77	4.23	80	EcoSSL Inverts	0.7	0.05	yes
B119120	B119120S1S1	INORG	Manganese	7439-96-5	1,010		0.685		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B119120	B119120S1S1	INORG	Mercury	7439-97-6	0.0293	J	0.0139		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B119120	B119120S1S1	INORG	Titanium	7440-32-6	1,100		4.65		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B119120	B119120S1S1	INORG	Zinc	7440-66-6	50.9		0.807		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B119120	B119120S1S1	SVOC	Anthracene	120-12-7	0.048	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Benzo(a)anthracene	56-55-3	0.16	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Benzo(a)pyrene	50-32-8	0.15	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.19	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Chrysene	218-01-9	0.14	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Fluoranthene	206-44-0	0.3		0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	PAHs (High MW)	130498-29-2H	1.5635	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	PAHs (Low MW)	130498-29-2L	0.3405	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	PAHs (total)	130498-29-2	1.904	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Phenanthrene	85-01-8	0.19	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B119120	B119120S1S1	SVOC	Pyrene	129-00-0	0.29		0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B10S1	INORG	Barium	7440-39-3	82.9		0.0457		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B10S1	INORG	Copper	7440-50-8	8.28		0.229		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B10S1	INORG	Titanium	7440-32-6	679		4.34		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B122	B122B10S1	INORG	Zinc	7440-66-6	30.4		0.754		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B1S1	INORG	Barium	7440-39-3	67.2		0.0506		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B1S1	INORG	Boron	7440-42-8	1.26	J	1.13		8.22	<BKG	20	ORNL Inverts	0.06	<BKG	yes
B122	B122B1S1	INORG	Copper	7440-50-8	41.5		0.253		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B122	B122B1S1	INORG	Mercury	7439-97-6	0.24		0.0148		0.09	0.15	0.1	ORNL Inverts	2	2	yes
B122	B122B1S1	INORG	Titanium	7440-32-6	634		4.81		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
B122	B122B1S1	INORG	Zinc	7440-66-6	139		0.835		89.55	49.45	120	EcoSSL Inverts	1	0.4	yes
B122	B122B2S1	INORG	Barium	7440-39-3	59.2		0.0458		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B122	B122B2S1	INORG	Copper	7440-50-8	3.29		0.229		52.77	<BKG	80	EcoSSL Inverts	0.04	<BKG	yes
B122	B122B2S1	INORG	Manganese	7439-96-5	185	J-	0.321		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B122	B122B2S1	INORG	Titanium	7440-32-6	414	J	2.18		2,309	<BKG	1,000	ORNL Inverts	0.4	<BKG	yes
B122	B122B2S1	INORG	Zinc	7440-66-6	13.2		0.756		89.55	<BKG	120	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B3S1	INORG	Barium	7440-39-3	61	J	0.0464		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B3S1	INORG	Copper	7440-50-8	1.4		0.232		52.77	<BKG	80	EcoSSL Inverts	0.02	<BKG	yes
B122	B122B3S1	INORG	Manganese	7439-96-5	255		0.065		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B122	B122B3S1	INORG	Mercury	7439-97-6	0.0266	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B122	B122B3S1	INORG	Titanium	7440-32-6	587		4.41		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
B122	B122B3S1	INORG	Zinc	7440-66-6	15.8		0.781		89.55	<BKG	120	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B3S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.11	J	0.08		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B5S1	INORG	Barium	7440-39-3	90.8		0.0515		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B5S1	INORG	Copper	7440-50-8	21.1		0.258		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B5S1	INORG	Manganese	7439-96-5	171		0.361		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B122	B122B5S1	INORG	Mercury	7439-97-6	0.0376	J	0.0144		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B122	B122B5S1	INORG	Titanium	7440-32-6	716		4.9		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B122	B122B5S1	INORG	Zinc	7440-66-6	185		4.25		89.55	95.45	120	EcoSSL Inverts	2	0.8	yes
B122	B122B5S1	SVOC	1-Methylnaphthalene	90-12-0	0.067	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B5S1	SVOC	2-Methyl naphthalene	91-57-6	0.09	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B5S1	SVOC	PAHs (Low MW)	130498-29-2L	0.267	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B5S1	SVOC	PAHs (total)	130498-29-2	0.487	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B6S1	INORG	Barium	7440-39-3	41.2		0.0529		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B6S1	INORG	Copper	7440-50-8	14		0.264		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B6S1	INORG	Manganese	7439-96-5	76.1	J-	0.074		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B6S1	INORG	Mercury	7439-97-6	0.183		0.0152		0.09	0.093	0.1	ORNL Inverts	2	0.9	yes
B122	B122B6S1	INORG	Titanium	7440-32-6	533	J	2.51		2,309	<BKG	1,000	ORNL Inverts	0.5	<BKG	yes
B122	B122B6S1	INORG	Zinc	7440-66-6	24.1		0.872		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B7S1	INORG	Barium	7440-39-3	68.6		0.0435		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B7S1	INORG	Copper	7440-50-8	9.18		0.218		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B7S1	INORG	Manganese	7439-96-5	167	J-	0.305		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B122	B122B7S1	INORG	Titanium	7440-32-6	657	J	4.13		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B122	B122B7S1	INORG	Zinc	7440-66-6	23.8		0.718		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B7S1-DUP	INORG	Barium	7440-39-3	89.8		0.0437		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B7S1-DUP	INORG	Copper	7440-50-8	9.41		0.218		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B122	B122B7S1-DUP	INORG	Manganese	7439-96-5	179	J-	0.306		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B122	B122B7S1-DUP	INORG	Mercury	7439-97-6	0.0128	J	0.0125		0.09	<BKG	0.1	ORNL Inverts	0.1	<BKG	yes
B122	B122B7S1-DUP	INORG	Titanium	7440-32-6	839	J	4.15		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B122	B122B7S1-DUP	INORG	Zinc	7440-66-6	30.4		0.721		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B8S1	INORG	Barium	7440-39-3	67		0.0467		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B8S1	INORG	Boron	7440-42-8	1.17	J	1.04		8.22	<BKG	20	ORNL Inverts	0.06	<BKG	yes
B122	B122B8S1	INORG	Copper	7440-50-8	20.3		0.234		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B8S1	INORG	Manganese	7439-96-5	331	J-	0.327		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B122	B122B8S1	INORG	Mercury	7439-97-6	0.0927	J	0.013		0.09	0.0027	0.1	ORNL Inverts	0.9	0.03	yes
B122	B122B8S1	INORG	Titanium	7440-32-6	796	J	4.44		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B122	B122B8S1	INORG	Zinc	7440-66-6	38.1		0.771		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B122	B122B8S1	VOC	Acetone	67-64-1	0.027	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	INORG	Barium	7440-39-3	71.4		0.0488		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B122	B122B9S1	INORG	Boron	7440-42-8	2	J	1.09		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B122	B122B9S1	INORG	Copper	7440-50-8	35.9		0.244		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B122	B122B9S1	INORG	Manganese	7439-96-5	146	J-	0.341		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B122	B122B9S1	INORG	Mercury	7439-97-6	0.0943	J	0.0138		0.09	0.0043	0.1	ORNL Inverts	0.9	0.04	yes
B122	B122B9S1	INORG	Titanium	7440-32-6	754	J	4.63		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B122	B122B9S1	INORG	Zinc	7440-66-6	131		4.02		89.55	41.45	120	EcoSSL Inverts	1	0.3	yes
B122	B122B9S1	SVOC	Benzo(a)anthracene	56-55-3	0.1	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	Benzo(a)pyrene	50-32-8	0.11	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.2	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	Chrysene	218-01-9	0.13	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	Fluoranthene	206-44-0	0.1	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	PAHs (High MW)	130498-29-2H	1.0675	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	PAHs (total)	130498-29-2	1.211	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B122	B122B9S1	SVOC	Pyrene	129-00-0	0.22		0.041		--	no bkg	NA	Soil EqP	--	--	--
B123	B123B1S1	INORG	Barium	7440-39-3	87.5		0.0508		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B123	B123B1S1	INORG	Copper	7440-50-8	14.7		0.254		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B123	B123B1S1	INORG	Manganese	7439-96-5	105		0.0711		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B123	B123B1S1	INORG	Mercury	7439-97-6	0.0235	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B123	B123B1S1	INORG	Perchlorate	14797-73-0	0.0061	J	0.0027		--	no bkg	1	NCEA	0.006	0.006	yes
B123	B123B1S1	INORG	Thallium	7440-28-0	2.55	J	1.84		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B123	B123B1S1	INORG	Titanium	7440-32-6	1,120		8.61		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B123	B123B1S1	INORG	Zinc	7440-66-6	46.8		0.838		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B123	B123B1S1	SVOC	Fluoranthene	206-44-0	0.048	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B123	B123B1S1	SVOC	PAHs (High MW)	130498-29-2H	0.268	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B123	B123B1S1	SVOC	PAHs (total)	130498-29-2	0.415	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B123	B123B1S1	SVOC	Pyrene	129-00-0	0.052	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B123	B123S1S1	INORG	Barium	7440-39-3	69		0.0489		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B123	B123S1S1	INORG	Boron	7440-42-8	30.3	J	5.44		8.22	22.08	20	ORNL Inverts	2	1	yes
B123	B123S1S1	INORG	Copper	7440-50-8	19.1		1.22		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B123	B123S1S1	INORG	Manganese	7439-96-5	136		0.342		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B123	B123S1S1	INORG	Mercury	7439-97-6	0.101	J	0.014		0.09	0.011	0.1	ORNL Inverts	1	0.1	yes
B123	B123S1S1	INORG	Titanium	7440-32-6	742		4.47		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B123	B123S1S1	INORG	Zinc	7440-66-6	66.2		4.03		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B123	B123S2S1	INORG	Barium	7440-39-3	42.6		0.0442		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B123	B123S2S1	INORG	Copper	7440-50-8	7.81		0.221		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B123	B123S2S1	INORG	Manganese	7439-96-5	78.2		0.0619		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B123	B123S2S1	INORG	Mercury	7439-97-6	0.124	J	0.0122		0.09	0.034	0.1	ORNL Inverts	1	0.3	yes
B123	B123S2S1	INORG	Perchlorate	14797-73-0	0.0076		0.0024		--	no bkg	1	NCEA	0.008	0.008	yes
B123	B123S2S1	INORG	Titanium	7440-32-6	401		2.1		2,309	<BKG	1,000	ORNL Inverts	0.4	<BKG	yes
B123	B123S2S1	INORG	Zinc	7440-66-6	23.1		0.729		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B123	B123S3S1	INORG	Barium	7440-39-3	37.5		0.0494		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B123	B123S3S1	INORG	Boron	7440-42-8	25.1	J	5.5		8.22	16.88	20	ORNL Inverts	1	0.8	yes
B123	B123S3S1	INORG	Copper	7440-50-8	9.35		1.24		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B123	B123S3S1	INORG	Manganese	7439-96-5	83.2		0.0692		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B123	B123S3S1	INORG	Mercury	7439-97-6	0.103	J	0.0139		0.09	0.013	0.1	ORNL Inverts	1	0.1	yes
B123	B123S3S1	INORG	Titanium	7440-32-6	636		4.88		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
B123	B123S3S1	INORG	Zinc	7440-66-6	15.7		4.08		89.55	<BKG	120	EcoSSL Inverts	0.1	<BKG	yes
B124135	B124135B1S1	INORG	Barium	7440-39-3	133		0.0496		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135B1S1	INORG	Boron	7440-42-8	5.28	J	1.1		8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
B124135	B124135B1S1	INORG	Copper	7440-50-8	18.2	J	0.248		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B124135	B124135B1S1	INORG	Manganese	7439-96-5	445		0.0695		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135B1S1	INORG	Mercury	7439-97-6	0.065	J	0.0141		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B124135	B124135B1S1	INORG	Thallium	7440-28-0	2.04	J	1.8		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B1S1	INORG	Titanium	7440-32-6	1,080		9.43		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B124135	B124135B1S1	INORG	Zinc	7440-66-6	84.7	J-	0.819		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B124135	B124135B2S1	INORG	Barium	7440-39-3	282		0.0497		235.76	46.24	330	EcoSSL Inverts	0.9	0.1	yes
B124135	B124135B2S1	INORG	Boron	7440-42-8	13.4		1.11		8.22	5.18	20	ORNL Inverts	0.7	0.3	yes
B124135	B124135B2S1	INORG	Copper	7440-50-8	20.8	J	0.248		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B124135	B124135B2S1	INORG	Manganese	7439-96-5	1,190		0.696		1,127	63	450	EcoSSL Inverts	3	0.1	yes
B124135	B124135B2S1	INORG	Mercury	7439-97-6	0.0186	J	0.0143		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B124135	B124135B2S1	INORG	Thallium	7440-28-0	2.62	J	1.8		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B2S1	INORG	Titanium	7440-32-6	1,570		9.44		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B124135	B124135B2S1	INORG	Zinc	7440-66-6	65.2	J-	0.82		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135B3S1	INORG	Barium	7440-39-3	194		0.0475		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B124135	B124135B3S1	INORG	Boron	7440-42-8	13.2		1.06		8.22	4.98	20	ORNL Inverts	0.7	0.2	yes
B124135	B124135B3S1	INORG	Copper	7440-50-8	19.6	J	0.237		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B124135	B124135B3S1	INORG	Manganese	7439-96-5	758		0.665		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B124135	B124135B3S1	INORG	Mercury	7439-97-6	0.0252	J	0.0139		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B124135	B124135B3S1	INORG	Thallium	7440-28-0	2.6	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B3S1	INORG	Titanium	7440-32-6	1,510		9.02		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B124135	B124135B3S1	INORG	Zinc	7440-66-6	52.2	J-	0.783		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135B4S1	INORG	Barium	7440-39-3	159		0.0467		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135B4S1	INORG	Boron	7440-42-8	16.5		1.04		8.22	8.28	20	ORNL Inverts	0.8	0.4	yes
B124135	B124135B4S1	INORG	Copper	7440-50-8	23.3	J	0.234		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B124135	B124135B4S1	INORG	Manganese	7439-96-5	350		0.0654		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B124135	B124135B4S1	INORG	Mercury	7439-97-6	0.0422	J	0.013		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B124135	B124135B4S1	INORG	Thallium	7440-28-0	4.6		1.69		4.1	0.5	4.1	Background	1	0.1	yes
B124135	B124135B4S1	INORG	Titanium	7440-32-6	2,580		11.1		2,309	271	1,000	ORNL Inverts	3	0.3	yes
B124135	B124135B4S1	INORG	Zinc	7440-66-6	85.7	J-	0.771		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B124135	B124135B4S1	SVOC	Phenol	108-95-2	0.38		0.04		--	no bkg	NA	Soil EqP	--	--	--
B124135	B124135B5S1	INORG	Barium	7440-39-3	114		0.0466		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B124135	B124135B5S1	INORG	Boron	7440-42-8	12.4		1.04		8.22	4.18	20	ORNL Inverts	0.6	0.2	yes
B124135	B124135B5S1	INORG	Copper	7440-50-8	10.9	J	0.233		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B124135	B124135B5S1	INORG	Manganese	7439-96-5	236		0.0652		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135B5S1	INORG	Mercury	7439-97-6	0.0752	J	0.0129		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B124135	B124135B5S1	INORG	Thallium	7440-28-0	2.49	J	1.69		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B124135	B124135B5S1	INORG	Titanium	7440-32-6	1,820		8.85		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B124135	B124135B5S1	INORG	Zinc	7440-66-6	66.2	J-	0.769		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B124135	B124135B7S1	INORG	Barium	7440-39-3	164		0.0455		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135B7S1	INORG	Boron	7440-42-8	10.7		1.01		8.22	2.48	20	ORNL Inverts	0.5	0.1	yes
B124135	B124135B7S1	INORG	Copper	7440-50-8	9.62	J	0.228		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B124135	B124135B7S1	INORG	Manganese	7439-96-5	376		0.0637		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B124135	B124135B7S1	INORG	Mercury	7439-97-6	0.0178	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B124135	B124135B7S1	INORG	Thallium	7440-28-0	1.92	J	1.65		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B7S1	INORG	Titanium	7440-32-6	1,400		8.65		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B124135	B124135B7S1	INORG	Zinc	7440-66-6	49.7	J-	0.751		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135B8S1	INORG	Barium	7440-39-3	120		0.0498		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135B8S1	INORG	Boron	7440-42-8	11.8		1.11		8.22	3.58	20	ORNL Inverts	0.6	0.2	yes
B124135	B124135B8S1	INORG	Copper	7440-50-8	34.9	J	0.249		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135B8S1	INORG	Manganese	7439-96-5	486		0.0697		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135B8S1	INORG	Mercury	7439-97-6	0.34		0.0143		0.09	0.25	0.1	ORNL Inverts	3	3	yes
B124135	B124135B8S1	INORG	Thallium	7440-28-0	1.98	J	1.8		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135B8S1	INORG	Titanium	7440-32-6	1,200		4.73		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B124135	B124135B8S1	INORG	Zinc	7440-66-6	106	J-	0.821		89.55	16.45	120	EcoSSL Inverts	0.9	0.1	yes
B124135	B124135S1S1	INORG	Barium	7440-39-3	113		0.0481		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B124135	B124135S1S1	INORG	Boron	7440-42-8	8.32		1.07		8.22	0.1	20	ORNL Inverts	0.4	0.005	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B124135	B124135S1S1	INORG	Copper	7440-50-8	8.03	J	0.241		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B124135	B124135S1S1	INORG	Manganese	7439-96-5	586		0.0674		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135S1S1	INORG	Mercury	7439-97-6	0.0208	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B124135	B124135S1S1	INORG	Titanium	7440-32-6	688		4.57		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B124135	B124135S1S1	INORG	Zinc	7440-66-6	27.8	J-	0.794		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B124135	B124135S1S1	VOC	Acetone	67-64-1	0.024	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
B124135	B124135S1S1DUP	INORG	Barium	7440-39-3	117		0.0487		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135S1S1DUP	INORG	Boron	7440-42-8	8.65		1.08		8.22	0.43	20	ORNL Inverts	0.4	0.02	yes
B124135	B124135S1S1DUP	INORG	Copper	7440-50-8	8.12	J	0.243		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B124135	B124135S1S1DUP	INORG	Manganese	7439-96-5	598		0.0681		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135S1S1DUP	INORG	Mercury	7439-97-6	0.0204	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B124135	B124135S1S1DUP	INORG	Titanium	7440-32-6	724		4.62		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B124135	B124135S1S1DUP	INORG	Zinc	7440-66-6	28.9	J-	0.803		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B124135	B124135S2S1	INORG	Barium	7440-39-3	169		0.0478		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135S2S1	INORG	Boron	7440-42-8	11.3		1.06		8.22	3.08	20	ORNL Inverts	0.6	0.2	yes
B124135	B124135S2S1	INORG	Copper	7440-50-8	13.7	J	0.239		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B124135	B124135S2S1	INORG	Manganese	7439-96-5	453		0.067		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135S2S1	INORG	Mercury	7439-97-6	0.0216	J	0.0138		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B124135	B124135S2S1	INORG	Thallium	7440-28-0	2.16	J	1.73		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B124135	B124135S2S1	INORG	Titanium	7440-32-6	1,590		9.09		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B124135	B124135S2S1	INORG	Zinc	7440-66-6	50.7	J-	0.789		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B124135	B124135S2S1	VOC	Acetone	67-64-1	0.1		0.008		--	no bkg	NA	Soil EqP	--	--	--
B124135	B124135S3S1	INORG	Barium	7440-39-3	155		0.0515		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B124135	B124135S3S1	INORG	Boron	7440-42-8	15.1		1.15		8.22	6.88	20	ORNL Inverts	0.8	0.3	yes
B124135	B124135S3S1	INORG	Copper	7440-50-8	6,780	J	25.8		52.77	6,727	80	EcoSSL Inverts	80	80	yes
B124135	B124135S3S1	INORG	Manganese	7439-96-5	516		0.0722		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B124135	B124135S3S1	INORG	Mercury	7439-97-6	0.0357	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B124135	B124135S3S1	INORG	Thallium	7440-28-0	3.1	J	1.87		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B124135	B124135S3S1	INORG	Titanium	7440-32-6	1,880		9.79		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B124135	B124135S3S1	INORG	Zinc	7440-66-6	80.8	J-	0.851		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B124135	B124135S3S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.095	J	0.086		--	no bkg	NA	Soil EqP	--	--	--
B124135	B124135S3S1	VOC	Acetone	67-64-1	0.018	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B1S1	INORG	Barium	7440-39-3	225		0.0483		235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
B125136	B125136B1S1	INORG	Copper	7440-50-8	14.4		0.241		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136B1S1	INORG	Mercury	7439-97-6	0.0761	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B125136	B125136B1S1	INORG	Titanium	7440-32-6	1,210		9.17		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B125136	B125136B1S1	INORG	Zinc	7440-66-6	286		0.796		89.55	196.45	120	EcoSSL Inverts	2	2	yes
B125136	B125136B1S1	VOC	Benzene	71-43-2	0.0007	J	0.0006		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	INORG	Barium	7440-39-3	71		0.0484		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136B2S1	INORG	Copper	7440-50-8	17.7		0.242		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136B2S1	INORG	Mercury	7439-97-6	0.111	J	0.0136		0.09	0.021	0.1	ORNL Inverts	1	0.2	yes
B125136	B125136B2S1	INORG	Titanium	7440-32-6	759		4.59		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B125136	B125136B2S1	INORG	Zinc	7440-66-6	32.9		0.798		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136B2S1	SVOC	1,1'-Biphenyl	92-52-4	0.067	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	1-Methylnaphthalene	90-12-0	0.16	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	2-Methyl naphthalene	91-57-6	0.29	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Acenaphthene	83-32-9	1.1	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Anthracene	120-12-7	1.6	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Benzo(a)anthracene	56-55-3	2.5	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Benzo(a)pyrene	50-32-8	1.6	J	0.041		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B125136	B125136B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	2	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Carbazole	86-74-8	1.1	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Chrysene	218-01-9	2.6	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Dibenzofuran	132-64-9	0.55	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Fluoranthene	206-44-0	4.8	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Fluorene	86-73-7	0.91	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	PAHs (High MW)	130498-29-2H	20.57	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	PAHs (Low MW)	130498-29-2L	8.8805	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	PAHs (total)	130498-29-2	29.4505	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Phenanthrene	85-01-8	4.8	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B2S1	SVOC	Pyrene	129-00-0	3.9	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136B3S1	INORG	Barium	7440-39-3	167		0.0499		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B125136	B125136B3S1	INORG	Copper	7440-50-8	52.1		0.249		52.77	<BKG	80	EcoSSL Inverts	0.7	<BKG	yes
B125136	B125136B3S1	INORG	Mercury	7439-97-6	0.0205	J	0.0141		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B125136	B125136B3S1	INORG	Titanium	7440-32-6	2,260		9.48		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B125136	B125136B3S1	INORG	Zinc	7440-66-6	123		0.823		89.55	33.45	120	EcoSSL Inverts	1	0.3	yes
B125136	B125136S1S1	INORG	Barium	7440-39-3	83		0.052		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S1S1	INORG	Boron	7440-42-8	9.82		1.15		8.22	1.6	20	ORNL Inverts	0.5	0.08	yes
B125136	B125136S1S1	INORG	Copper	7440-50-8	21.6		0.26		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S1S1	INORG	Manganese	7439-96-5	369	J	0.364		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B125136	B125136S1S1	INORG	Mercury	7439-97-6	0.115	J	0.0147		0.09	0.025	0.1	ORNL Inverts	1	0.3	yes
B125136	B125136S1S1	INORG	Titanium	7440-32-6	1,360		9.88		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B125136	B125136S1S1	INORG	Zinc	7440-66-6	43.1		0.858		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B125136	B125136S1S1	SVOC	Fluoranthene	206-44-0	0.047	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S1S1	SVOC	PAHs (High MW)	130498-29-2H	0.245	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S1S1	SVOC	PAHs (total)	130498-29-2	0.399	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S1S1DUP	INORG	Barium	7440-39-3	81.9		0.051		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S1S1DUP	INORG	Copper	7440-50-8	21.3		0.255		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S1S1DUP	INORG	Manganese	7439-96-5	384	J	0.357		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B125136	B125136S1S1DUP	INORG	Mercury	7439-97-6	0.108	J	0.0147		0.09	0.018	0.1	ORNL Inverts	1	0.2	yes
B125136	B125136S1S1DUP	INORG	Titanium	7440-32-6	1,340		9.68		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B125136	B125136S1S1DUP	INORG	Zinc	7440-66-6	42.6		0.841		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B125136	B125136S2S1	INORG	Barium	7440-39-3	141		0.238		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B125136	B125136S2S1	INORG	Copper	7440-50-8	25.6		0.238		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S2S1	INORG	Manganese	7439-96-5	390	J	0.333		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B125136	B125136S2S1	INORG	Mercury	7439-97-6	0.132		0.0137		0.09	0.042	0.1	ORNL Inverts	1	0.4	yes
B125136	B125136S2S1	INORG	Titanium	7440-32-6	2,380		11.3		2,309	71	1,000	ORNL Inverts	2	0.07	yes
B125136	B125136S2S1	INORG	Zinc	7440-66-6	78		0.785		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B125136	B125136S2S1	SVOC	Benzo(a)anthracene	56-55-3	0.09	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Benzo(a)pyrene	50-32-8	0.065	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.088	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Chrysene	218-01-9	0.083	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Fluoranthene	206-44-0	0.16	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	PAHs (High MW)	130498-29-2H	0.749	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.233	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	PAHs (total)	130498-29-2	0.982	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Phenanthrene	85-01-8	0.11	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S2S1	SVOC	Pyrene	129-00-0	0.13	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B125136	B125136S3S1	INORG	Barium	7440-39-3	57.8		0.0484		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S3S1	INORG	Copper	7440-50-8	5.51		0.242		52.77	<BKG	80	EcoSSL Inverts	0.07	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B125136	B125136S3S1	INORG	Manganese	7439-96-5	102	J	0.0677		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S3S1	INORG	Mercury	7439-97-6	0.0174	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B125136	B125136S3S1	INORG	Titanium	7440-32-6	845		4.59		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B125136	B125136S3S1	INORG	Zinc	7440-66-6	19.2		0.798		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S4S1	INORG	Barium	7440-39-3	73.6		0.0488		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S4S1	INORG	Copper	7440-50-8	29		0.244		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B125136	B125136S4S1	INORG	Manganese	7439-96-5	111	J	0.0684		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S4S1	INORG	Mercury	7439-97-6	0.0914	J	0.0139		0.09	0.0014	0.1	ORNL Inverts	0.9	0.01	yes
B125136	B125136S4S1	INORG	Titanium	7440-32-6	977		4.64		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B125136	B125136S4S1	INORG	Zinc	7440-66-6	35.4		0.806		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S5S1	INORG	Barium	7440-39-3	96.2		0.0489		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S5S1	INORG	Copper	7440-50-8	47.7		0.244		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B125136	B125136S5S1	INORG	Manganese	7439-96-5	756	J	0.685		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B125136	B125136S5S1	INORG	Mercury	7439-97-6	0.0197	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B125136	B125136S5S1	INORG	Titanium	7440-32-6	1,430		9.29		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B125136	B125136S5S1	INORG	Zinc	7440-66-6	57.1		0.807		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B125136	B125136S6S1	INORG	Barium	7440-39-3	92.1		0.0486		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S6S1	INORG	Copper	7440-50-8	52.3		0.243		52.77	<BKG	80	EcoSSL Inverts	0.7	<BKG	yes
B125136	B125136S6S1	INORG	Manganese	7439-96-5	1,290	J	1.36		1,127	163	450	EcoSSL Inverts	3	0.4	yes
B125136	B125136S6S1	INORG	Mercury	7439-97-6	0.0171	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B125136	B125136S6S1	INORG	Titanium	7440-32-6	1,590		9.23		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B125136	B125136S6S1	INORG	Zinc	7440-66-6	63.9		0.802		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B125136	B125136S7S1	INORG	Barium	7440-39-3	83.4		0.0495		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B125136	B125136S7S1	INORG	Copper	7440-50-8	16.4		0.248		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B125136	B125136S7S1	INORG	Manganese	7439-96-5	195	J	0.347		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B125136	B125136S7S1	INORG	Mercury	7439-97-6	0.0247	J	0.0139		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B125136	B125136S7S1	INORG	Titanium	7440-32-6	2,230		9.41		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B125136	B125136S7S1	INORG	Zinc	7440-66-6	57.6		0.817		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B125136	B125136S8S1	INORG	Barium	7440-39-3	221		0.259		235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
B125136	B125136S8S1	INORG	Copper	7440-50-8	38.7		1.29		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B125136	B125136S8S1	INORG	Manganese	7439-96-5	409	J	0.362		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B125136	B125136S8S1	INORG	Mercury	7439-97-6	0.0338	J	0.0151		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B125136	B125136S8S1	INORG	Titanium	7440-32-6	2,840		12.3		2,309	531	1,000	ORNL Inverts	3	0.5	yes
B125136	B125136S8S1	INORG	Zinc	7440-66-6	93.7		4.27		89.55	4.15	120	EcoSSL Inverts	0.8	0.03	yes
B134	B134S1S1	INORG	Barium	7440-39-3	62	J	0.0498		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B134	B134S1S1	INORG	Copper	7440-50-8	9.49		0.249		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B134	B134S1S1	INORG	Manganese	7439-96-5	87.9		0.0697		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B134	B134S1S1	INORG	Titanium	7440-32-6	875		0.473		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B134	B134S1S1	INORG	Zinc	7440-66-6	48.5		0.822		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B134	B134S2S1	INORG	Barium	7440-39-3	494	J	0.244		235.76	258.24	330	EcoSSL Inverts	1	0.8	yes
B134	B134S2S1	INORG	Copper	7440-50-8	48.2		0.244		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B134	B134S2S1	INORG	Manganese	7439-96-5	4,740		3.42		1,127	3,613	450	EcoSSL Inverts	10	8	yes
B134	B134S2S1	INORG	Titanium	7440-32-6	1,940		9.29		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B134	B134S2S1	INORG	Zinc	7440-66-6	92.7		0.806		89.55	3.15	120	EcoSSL Inverts	0.8	0.03	yes
B134	B134S3S1	INORG	Barium	7440-39-3	90.8	J	0.0451		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B134	B134S3S1	INORG	Copper	7440-50-8	15.1		0.225		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B134	B134S3S1	INORG	Manganese	7439-96-5	280		0.316		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B134	B134S3S1	INORG	Titanium	7440-32-6	1,670		8.57		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B134	B134S3S1	INORG	Zinc	7440-66-6	38.5		0.744		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B134	B134S4S1	INORG	Barium	7440-39-3	171	J	0.262		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B134	B134S4S1	INORG	Copper	7440-50-8	50.2		0.262		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B134	B134S4S1	INORG	Manganese	7439-96-5	429		0.367		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B134	B134S4S1	INORG	Mercury	7439-97-6	0.0596	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B134	B134S4S1	INORG	Titanium	7440-32-6	1,650		9.97		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B134	B134S4S1	INORG	Zinc	7440-66-6	59.8		0.866		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B142	B142B1S1	INORG	Barium	7440-39-3	197		0.583		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B142	B142B1S1	INORG	Boron	7440-42-8	1.49	J	1.3		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B142	B142B1S1	INORG	Copper	7440-50-8	26.2	J-	0.291		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B142	B142B1S1	INORG	Manganese	7439-96-5	1,830		1.63		1,127	703	450	EcoSSL Inverts	4	2	yes
B142	B142B1S1	INORG	Titanium	7440-32-6	696		5.54		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B142	B142B1S1	INORG	Zinc	7440-66-6	44.7		0.961		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B142	B142B1S1	SVOC	Benzo(a)anthracene	56-55-3	0.16	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Benzo(a)pyrene	50-32-8	0.12	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.18	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Chrysene	218-01-9	0.16	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Fluoranthene	206-44-0	0.16	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	PAHs (High MW)	130498-29-2H	1.225	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	PAHs (Low MW)	130498-29-2L	0.219	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	PAHs (total)	130498-29-2	1.444	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Phenanthrene	85-01-8	0.069	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	SVOC	Pyrene	129-00-0	0.22	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1	VOC	Acetone	67-64-1	0.19	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	INORG	Barium	7440-39-3	179		0.594		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B142	B142B1S1DUP	INORG	Boron	7440-42-8	2.23	J	1.32		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
B142	B142B1S1DUP	INORG	Copper	7440-50-8	29.7	J-	0.297		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B142	B142B1S1DUP	INORG	Manganese	7439-96-5	1,440		0.831		1,127	313	450	EcoSSL Inverts	3	0.7	yes
B142	B142B1S1DUP	INORG	Titanium	7440-32-6	649		5.64		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
B142	B142B1S1DUP	INORG	Zinc	7440-66-6	47		0.98		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B142	B142B1S1DUP	SVOC	Benzo(a)anthracene	56-55-3	0.08	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	Benzo(a)pyrene	50-32-8	0.065	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.11	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	Chrysene	218-01-9	0.097	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	Fluoranthene	206-44-0	0.069	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	PAHs (High MW)	130498-29-2H	0.631	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	PAHs (total)	130498-29-2	0.806	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	SVOC	Pyrene	129-00-0	0.11	J	0.05		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B1S1DUP	VOC	Acetone	67-64-1	0.16	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Benzo(a)anthracene	56-55-3	0.12	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Benzo(a)pyrene	50-32-8	0.084	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.12	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Chrysene	218-01-9	0.12	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Fluoranthene	206-44-0	0.17	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	PAHs (High MW)	130498-29-2H	0.905	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	PAHs (Low MW)	130498-29-2L	0.225	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	PAHs (total)	130498-29-2	1.13	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Phenanthrene	85-01-8	0.081	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1	SVOC	Pyrene	129-00-0	0.16	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	INORG	Barium	7440-39-3	213		0.511		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Boron	7440-42-8	4.76	J	1.14		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Copper	7440-50-8	57.3	J-	0.255		52.77	4.53	80	EcoSSL Inverts	0.7	0.06	yes
B142	B142B2S1 Unspiked	INORG	Manganese	7439-96-5	754		0.715		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B142	B142B2S1 Unspiked	INORG	Titanium	7440-32-6	796		4.85		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B142	B142B2S1 Unspiked	INORG	Zinc	7440-66-6	46.4		0.843		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B142	B142B2S1 Unspiked	Nitroaromatics	HMX	2691-41-0	1.4		0.32		--	no bkg	600	Exp EcoSSL	0.002	0.002	yes
B142	B142B2S1 Unspiked	Nitroaromatics	RDX	121-82-4	3.1	J	0.13		--	no bkg	99	Exp EcoSSL	0.03	0.03	yes
B142	B142B2S1 Unspiked	PEST	Chlordane (total)	57-74-9	0.006	J	0.0011		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	PEST	Endosulfan	115-29-7	0.0307	J	0.0021		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	PEST	Endrin	72-20-8	0.0025	J	0.0021		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	PEST	Lindane	58-89-9	0.032		0.0011		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	PEST	Methoxychlor	72-43-5	0.2	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B2S1 Unspiked	VOC	Methyl acetate	79-20-9	0.38	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B3S1	INORG	Barium	7440-39-3	283		0.515		235.76	47.24	330	EcoSSL Inverts	0.9	0.1	yes
B142	B142B3S1	INORG	Copper	7440-50-8	43.3	J-	0.257		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B142	B142B3S1	INORG	Manganese	7439-96-5	1,740		1.44		1,127	613	450	EcoSSL Inverts	4	1	yes
B142	B142B3S1	INORG	Titanium	7440-32-6	234		4.89		2,309	<BKG	1,000	ORNL Inverts	0.2	<BKG	yes
B142	B142B3S1	INORG	Zinc	7440-66-6	38.2		0.849		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B142	B142B3S1	Nitroaromatics	RDX	121-82-4	5.4		0.13		--	no bkg	99	Exp EcoSSL	0.05	0.05	yes
B142	B142B3S1	PEST	4,4'-DDD	72-54-8	0.0011	J	0.00042		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B3S1	PEST	4,4'-DDT	50-29-3	0.0029	J	0.00042		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B3S1	PEST	Endosulfan	115-29-7	0.055		0.0028		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B3S1	VOC	Acetone	67-64-1	0.053	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B4S1	INORG	Barium	7440-39-3	151		0.519		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B142	B142B4S1	INORG	Boron	7440-42-8	8.26		1.16		8.22	0.04	20	ORNL Inverts	0.4	0.002	yes
B142	B142B4S1	INORG	Copper	7440-50-8	51.9	J-	0.26		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B142	B142B4S1	INORG	Manganese	7439-96-5	275		0.727		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B142	B142B4S1	INORG	Mercury	7439-97-6	0.0327	J	0.0151		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B142	B142B4S1	INORG	Titanium	7440-32-6	749		4.93		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B142	B142B4S1	INORG	Zinc	7440-66-6	45.2		0.857		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B142	B142B4S1	SVOC	Fluoranthene	206-44-0	0.047	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B4S1	SVOC	PAHs (High MW)	130498-29-2H	0.27	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B4S1	SVOC	PAHs (total)	130498-29-2	0.424	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B4S1	SVOC	Pyrene	129-00-0	0.047	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B142	B142B4S1	VOC	Acetone	67-64-1	0.16	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	INORG	Barium	7440-39-3	124		0.0593		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B143	B143B1S1	INORG	Boron	7440-42-8	1.6	J	1.32		8.22	<BKG	20	ORNL Inverts	0.08	<BKG	yes
B143	B143B1S1	INORG	Copper	7440-50-8	25.3		0.297		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B143	B143B1S1	INORG	Manganese	7439-96-5	314		0.415		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B143	B143B1S1	INORG	Titanium	7440-32-6	937		2.82		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B143	B143B1S1	INORG	Zinc	7440-66-6	26.5		0.979		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B143	B143B1S1	SVOC	Chrysene	218-01-9	0.054	J	0.049		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	SVOC	Fluoranthene	206-44-0	0.13	J	0.049		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	SVOC	PAHs (High MW)	130498-29-2H	0.5155	J	0.049		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	SVOC	PAHs (total)	130498-29-2	0.687	J	0.049		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	SVOC	Pyrene	129-00-0	0.16	J	0.049		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B1S1	VOC	Acetone	67-64-1	0.046	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B2S1	INORG	Barium	7440-39-3	147		0.0611		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B143	B143B2S1	INORG	Copper	7440-50-8	19.3		0.306		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B143	B143B2S1	INORG	Manganese	7439-96-5	35.8		0.0856		1,127	<BKG	450	EcoSSL Inverts	0.08	<BKG	yes
B143	B143B2S1	INORG	Titanium	7440-32-6	719		2.9		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B143	B143B2S1	INORG	Zinc	7440-66-6	42.1		1.01		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B143	B143B2S1	VOC	Acetone	67-64-1	0.027	J	0.013		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B3S1	INORG	Barium	7440-39-3	111		0.0614		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B143	B143B3S1	INORG	Copper	7440-50-8	25.4		0.307		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B143	B143B3S1	INORG	Manganese	7439-96-5	42.9		0.086		1,127	<BKG	450	EcoSSL Inverts	0.1	<BKG	yes
B143	B143B3S1	INORG	Titanium	7440-32-6	580		2.92		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
B143	B143B3S1	INORG	Zinc	7440-66-6	39.5		1.01		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B143	B143B3S1	PEST	Chlordane (total)	57-74-9	0.0016	J	0.00026		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B3S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.11	J	0.052		--	no bkg	NA	Soil EqP	--	--	--
B143	B143B3S1	VOC	Acetone	67-64-1	0.021	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B144	B144B1S1	INORG	Barium	7440-39-3	335		0.266		235.76	99.24	330	EcoSSL Inverts	1	0.3	yes
B144	B144B1S1	INORG	Copper	7440-50-8	32.3		1.33		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B144	B144B1S1	INORG	Manganese	7439-96-5	1,380		1.49		1,127	253	450	EcoSSL Inverts	3	0.6	yes
B144	B144B1S1	INORG	Titanium	7440-32-6	2,510		10.1		2,309	201	1,000	ORNL Inverts	3	0.2	yes
B144	B144B1S1	INORG	Zinc	7440-66-6	175		4.39		89.55	85.45	120	EcoSSL Inverts	1	0.7	yes
B144	B144S1S1	INORG	Barium	7440-39-3	182		0.0473		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B144	B144S1S1	INORG	Boron	7440-42-8	8.24		1.05		8.22	0.02	20	ORNL Inverts	0.4	0.001	yes
B144	B144S1S1	INORG	Copper	7440-50-8	29.9		0.236		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B144	B144S1S1	INORG	Mercury	7439-97-6	0.0197	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B144	B144S1S1	INORG	Thallium	7440-28-0	5.05		1.71		4.1	0.95	4.1	Background	1	0.2	yes
B144	B144S1S1	INORG	Titanium	7440-32-6	2,510		11.2		2,309	201	1,000	ORNL Inverts	3	0.2	yes
B144	B144S1S1	INORG	Zinc	7440-66-6	93		0.78		89.55	3.45	120	EcoSSL Inverts	0.8	0.03	yes
B144	B144S1S1	SVOC	Benzoic acid	65-85-0	0.28	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B144	B144S1S1DUP	INORG	Barium	7440-39-3	188		0.0452		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B144	B144S1S1DUP	INORG	Boron	7440-42-8	8.9		1.01		8.22	0.68	20	ORNL Inverts	0.4	0.03	yes
B144	B144S1S1DUP	INORG	Copper	7440-50-8	28.8		0.226		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B144	B144S1S1DUP	INORG	Manganese	7439-96-5	700		1.27		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B144	B144S1S1DUP	INORG	Mercury	7439-97-6	0.0165	J	0.0126		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B144	B144S1S1DUP	INORG	Thallium	7440-28-0	4.72		1.64		4.1	0.62	4.1	Background	1	0.2	yes
B144	B144S1S1DUP	INORG	Titanium	7440-32-6	2,490		10.7		2,309	181	1,000	ORNL Inverts	2	0.2	yes
B144	B144S1S1DUP	INORG	Zinc	7440-66-6	92		0.746		89.55	2.45	120	EcoSSL Inverts	0.8	0.02	yes
B144	B144S1S1DUP	SVOC	Benzoic acid	65-85-0	0.25	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B1S1	INORG	Barium	7440-39-3	75	J	0.0454		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B146	B146B1S1	INORG	Copper	7440-50-8	55.5		0.227		52.77	2.73	80	EcoSSL Inverts	0.7	0.03	yes
B146	B146B1S1	INORG	Manganese	7439-96-5	650		0.635		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B146	B146B1S1	INORG	Mercury	7439-97-6	0.0645	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B146	B146B1S1	INORG	Thallium	7440-28-0	3.47		1.64		4.1	<BKG	4.1	Background	0.8	<BKG	yes
B146	B146B1S1	INORG	Titanium	7440-32-6	782		4.31		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B146	B146B1S1	INORG	Zinc	7440-66-6	49.1	J	0.771		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B146	B146B3S1	INORG	Barium	7440-39-3	79.5	J	0.0472		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B146	B146B3S1	INORG	Boron	7440-42-8	1.38	J	1.05		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B146	B146B3S1	INORG	Copper	7440-50-8	5.52		0.236		52.77	<BKG	80	EcoSSL Inverts	0.07	<BKG	yes
B146	B146B3S1	INORG	Manganese	7439-96-5	186		0.0661		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B146	B146B3S1	INORG	Mercury	7439-97-6	0.0454	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B146	B146B3S1	INORG	Thallium	7440-28-0	2.61	J	1.71		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B146	B146B3S1	INORG	Titanium	7440-32-6	1,090		4.48		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B146	B146B3S1	INORG	Zinc	7440-66-6	39.1	J	0.779		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B146	B146B3S1	SVOC	Benzo(a)anthracene	56-55-3	0.063	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Benzo(a)pyrene	50-32-8	0.17	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.23		0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Chrysene	218-01-9	0.095	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Fluoranthene	206-44-0	0.071	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	PAHs (High MW)	130498-29-2H	1.113	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	PAHs (Low MW)	130498-29-2L	0.173	J	0.04		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B146	B146B3S1	SVOC	PAHs (total)	130498-29-2	1.286	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Phenanthrene	85-01-8	0.053	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B146	B146B3S1	SVOC	Pyrene	129-00-0	0.075	J	0.04		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B10S1	INORG	Barium	7440-39-3	93.7		0.0507		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B10S1	INORG	Boron	7440-42-8	10.9		1.13		8.22	2.68	20	ORNL Inverts	0.5	0.1	yes
B147	B147B10S1	INORG	Copper	7440-50-8	25.9	J	0.254		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B10S1	INORG	Manganese	7439-96-5	183	J	0.355		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B10S1	INORG	Mercury	7439-97-6	0.0781	J	0.0141		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B147	B147B10S1	INORG	Titanium	7440-32-6	1,400	J	9.63		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B10S1	INORG	Zinc	7440-66-6	46.2	J	0.837		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B10S1	SVOC	Phenol	108-95-2	0.76		0.043		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B10S1	VOC	Acetone	67-64-1	0.014	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B11S1	INORG	Barium	7440-39-3	110		0.051		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B11S1	INORG	Boron	7440-42-8	13.9		1.14		8.22	5.68	20	ORNL Inverts	0.7	0.3	yes
B147	B147B11S1	INORG	Copper	7440-50-8	59.3	J	0.255		52.77	6.53	80	EcoSSL Inverts	0.7	0.08	yes
B147	B147B11S1	INORG	Manganese	7439-96-5	216	J	0.357		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B147	B147B11S1	INORG	Mercury	7439-97-6	0.113	J	0.0147		0.09	0.023	0.1	ORNL Inverts	1	0.2	yes
B147	B147B11S1	INORG	Titanium	7440-32-6	1,210	J	9.7		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B11S1	INORG	Zinc	7440-66-6	112	J	0.842		89.55	22.45	120	EcoSSL Inverts	0.9	0.2	yes
B147	B147B11S1	PEST	4,4'-DDT	50-29-3	0.0028	J	0.0023		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B11S1	PEST	Chlordane (total)	57-74-9	0.0245		0.0012		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B11S1	PEST	Lindane	58-89-9	0.0016	J	0.0012		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B11S1	SVOC	Phenol	108-95-2	0.16	J	0.044		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B12S1	INORG	Barium	7440-39-3	78.6		0.049		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B12S1	INORG	Boron	7440-42-8	12.8		1.09		8.22	4.58	20	ORNL Inverts	0.6	0.2	yes
B147	B147B12S1	INORG	Copper	7440-50-8	27.6	J	0.245		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B12S1	INORG	Manganese	7439-96-5	222	J	0.343		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B147	B147B12S1	INORG	Mercury	7439-97-6	0.0619	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B147	B147B12S1	INORG	Titanium	7440-32-6	1,100	J	4.65		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B12S1	INORG	Zinc	7440-66-6	36	J	0.808		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B12S1	SVOC	Benzo(a)pyrene	50-32-8	0.069	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B12S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.11	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B12S1	SVOC	PAHs (High MW)	130498-29-2H	0.5075	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B12S1	SVOC	PAHs (total)	130498-29-2	0.651	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B1S1	INORG	Barium	7440-39-3	109		0.0504		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B1S1	INORG	Boron	7440-42-8	12.5	J	5.61		8.22	4.28	20	ORNL Inverts	0.6	0.2	yes
B147	B147B1S1	INORG	Copper	7440-50-8	66.4	J	0.252		52.77	13.63	80	EcoSSL Inverts	0.8	0.2	yes
B147	B147B1S1	INORG	Manganese	7439-96-5	442	J	0.353		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B147	B147B1S1	INORG	Mercury	7439-97-6	0.266		0.0136		0.09	0.176	0.1	ORNL Inverts	3	2	yes
B147	B147B1S1	INORG	Titanium	7440-32-6	1,410	J	9.57		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B1S1	INORG	Zinc	7440-66-6	52.9	J	0.831		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B1S1	SVOC	Phenol	108-95-2	0.2	J	0.042		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B2S1	INORG	Barium	7440-39-3	392		0.294		235.76	156.24	330	EcoSSL Inverts	1	0.5	yes
B147	B147B2S1	INORG	Boron	7440-42-8	4.12	J	1.31		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B147	B147B2S1	INORG	Copper	7440-50-8	43.1		0.294		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B147	B147B2S1	INORG	Manganese	7439-96-5	620		0.0822		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B147	B147B2S1	INORG	Titanium	7440-32-6	1,450		5.58		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B2S1	INORG	Zinc	7440-66-6	174		4.62		89.55	84.45	120	EcoSSL Inverts	1	0.7	yes
B147	B147B2S1	PEST	4,4'-DDT	50-29-3	0.014	J	0.0024		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B2S1	PEST	Chlordane (total)	57-74-9	0.02		0.0012		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B2S1	PEST	Endosulfan	115-29-7	0.046		0.0024		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B147	B147B2S1	PEST	Endrin	72-20-8	0.0065	J	0.0024		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B2S1	VOC	Acetone	67-64-1	0.05		0.011		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B2S1	VOC	Trichloroethylene	79-01-6	0.005	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B3S1	INORG	Barium	7440-39-3	102		0.0471		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B3S1	INORG	Boron	7440-42-8	9.88	J	5.24		8.22	1.66	20	ORNL Inverts	0.5	0.08	yes
B147	B147B3S1	INORG	Copper	7440-50-8	31.8	J	0.235		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B3S1	INORG	Manganese	7439-96-5	168	J	0.33		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B3S1	INORG	Mercury	7439-97-6	0.0282	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B147	B147B3S1	INORG	Titanium	7440-32-6	1,170	J	8.94		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B3S1	INORG	Zinc	7440-66-6	41.9	J	0.777		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B4S1	INORG	Barium	7440-39-3	106		0.0509		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B4S1	INORG	Boron	7440-42-8	14.9		1.13		8.22	6.68	20	ORNL Inverts	0.7	0.3	yes
B147	B147B4S1	INORG	Copper	7440-50-8	31.4	J	0.255		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B4S1	INORG	Manganese	7439-96-5	330	J	0.356		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B147	B147B4S1	INORG	Mercury	7439-97-6	0.0352	J	0.0143		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B147	B147B4S1	INORG	Perchlorate	14797-73-0	0.0054	J	0.0027		--	no bkg	1	NCEA	0.005	0.005	yes
B147	B147B4S1	INORG	Titanium	7440-32-6	1,580	J	9.67		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B147	B147B4S1	INORG	Zinc	7440-66-6	408	J	4.2		89.55	318.45	120	EcoSSL Inverts	3	3	yes
B147	B147B5S1	INORG	Barium	7440-39-3	132		0.0671		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B5S1	INORG	Copper	7440-50-8	22.1		0.335		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B5S1	INORG	Manganese	7439-96-5	95.4		0.0939		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B5S1	INORG	Titanium	7440-32-6	837		3.19		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B147	B147B5S1	INORG	Zinc	7440-66-6	105		1.14		89.55	15.45	120	EcoSSL Inverts	0.9	0.1	yes
B147	B147B5S1	Nitroaromatics	RDX	121-82-4	0.29	J	0.17		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
B147	B147B5S1	PEST	4,4'-DDT	50-29-3	0.00098	J	0.00057		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B5S1	PEST	Aldrin	309-00-2	0.01		0.00029		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B5S1	VOC	cis-1,2-Dichloroethene	156-59-2	0.052		0.002		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B5S1	VOC	Trichloroethylene	79-01-6	0.039		0.002		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B6S1	INORG	Barium	7440-39-3	82.2		0.049		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B6S1	INORG	Boron	7440-42-8	3.08	J	1.09		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B147	B147B6S1	INORG	Copper	7440-50-8	22.8		0.245		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B6S1	INORG	Manganese	7439-96-5	230		0.343		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B147	B147B6S1	INORG	Titanium	7440-32-6	1,300		2.33		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B6S1	INORG	Zinc	7440-66-6	42.5		0.808		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B6S1DUP	INORG	Barium	7440-39-3	80		0.0475		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B6S1DUP	INORG	Boron	7440-42-8	3.56	J	1.06		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
B147	B147B6S1DUP	INORG	Copper	7440-50-8	21.3		0.238		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B6S1DUP	INORG	Manganese	7439-96-5	263		0.333		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B147	B147B6S1DUP	INORG	Titanium	7440-32-6	1,250		2.26		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B6S1DUP	INORG	Zinc	7440-66-6	37.9		0.792		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B6S1DUP	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.22	J	0.082		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	INORG	Barium	7440-39-3	76.2		0.0547		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B7S1	INORG	Boron	7440-42-8	10.4	J	6.09		8.22	2.18	20	ORNL Inverts	0.5	0.1	yes
B147	B147B7S1	INORG	Copper	7440-50-8	32.6	J	0.274		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B7S1	INORG	Manganese	7439-96-5	113	J	0.0766		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B7S1	INORG	Mercury	7439-97-6	0.0411	J	0.0155		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B147	B147B7S1	INORG	Titanium	7440-32-6	1,160	J	5.2		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B7S1	INORG	Zinc	7440-66-6	60.8	J	0.903		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B147	B147B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.59		0.14		--	no bkg	16	Exp EcoSSL	0.04	0.04	yes
B147	B147B7S1	PEST	4,4'-DDT	50-29-3	0.0039	J	0.00091		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B147	B147B7S1	PEST	Aldrin	309-00-2	0.0005	J	0.00047		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	PEST	Endosulfan	115-29-7	0.04		0.003		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.14	J	0.092		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	SVOC	Phenol	108-95-2	0.2	J	0.046		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	VOC	Acetone	67-64-1	0.029	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B7S1	VOC	Trichloroethylene	79-01-6	0.002	J	0.002		--	no bkg	NA	Soil EqP	--	--	--
B147	B147B8S1	INORG	Barium	7440-39-3	79.1		0.0497		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B147	B147B8S1	INORG	Boron	7440-42-8	14		1.1		8.22	5.78	20	ORNL Inverts	0.7	0.3	yes
B147	B147B8S1	INORG	Copper	7440-50-8	29.3	J	0.248		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B147	B147B8S1	INORG	Manganese	7439-96-5	146	J	0.348		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B8S1	INORG	Mercury	7439-97-6	0.044	J	0.0147		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B147	B147B8S1	INORG	Titanium	7440-32-6	1,220	J	9.44		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B8S1	INORG	Zinc	7440-66-6	68.6	J	0.819		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B147	B147B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.35	J	0.13		--	no bkg	16	Exp EcoSSL	0.02	0.02	yes
B147	B147B9S1	INORG	Barium	7440-39-3	83.9		0.0495		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B9S1	INORG	Boron	7440-42-8	7.89		1.1		8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B147	B147B9S1	INORG	Copper	7440-50-8	56.9	J	0.248		52.77	4.13	80	EcoSSL Inverts	0.7	0.05	yes
B147	B147B9S1	INORG	Manganese	7439-96-5	119	J	0.0693		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B147	B147B9S1	INORG	Mercury	7439-97-6	0.0343	J	0.0139		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B147	B147B9S1	INORG	Titanium	7440-32-6	1,060	J	4.7		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B147	B147B9S1	INORG	Zinc	7440-66-6	119	J	0.817		89.55	29.45	120	EcoSSL Inverts	1	0.2	yes
B147	B147B9S1	SVOC	Phenol	108-95-2	0.22		0.042		--	no bkg	NA	Soil EqP	--	--	--
B147	B147S1S1	VOC	Acetone	67-64-1	0.016	J	0.007		--	no bkg	NA	Soil EqP	--	--	--
B147	B147S2S1	VOC	Acetone	67-64-1	0.064		0.008		--	no bkg	NA	Soil EqP	--	--	--
B147	B147S2S1	VOC	Trichloroethylene	79-01-6	0.066		0.001		--	no bkg	NA	Soil EqP	--	--	--
B148	B148B1S1	INORG	Barium	7440-39-3	123		0.238		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B148	B148B1S1	INORG	Copper	7440-50-8	6.35		0.238		52.77	<BKG	80	EcoSSL Inverts	0.08	<BKG	yes
B148	B148B1S1	INORG	Manganese	7439-96-5	426		0.333		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B148	B148B1S1	INORG	Mercury	7439-97-6	0.0484	J	0.0128		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B148	B148B1S1	INORG	Thallium	7440-28-0	2.6	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B148	B148B1S1	INORG	Titanium	7440-32-6	2,060		11.3		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B148	B148B1S1	INORG	Zinc	7440-66-6	52.1		0.785		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B148	B148B1S1	PEST	Endosulfan	115-29-7	0.0012		0.00039		--	no bkg	NA	Soil EqP	--	--	--
B148	B148B2S1	INORG	Barium	7440-39-3	144		0.236		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B148	B148B2S1	INORG	Manganese	7439-96-5	483	J	0.331		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B148	B148B2S1	INORG	Mercury	7439-97-6	0.0324	J	0.0131		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B148	B148B2S1	INORG	Thallium	7440-28-0	2.03	J	1.71		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B148	B148B2S1	INORG	Titanium	7440-32-6	2,080		22.5		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B148	B148B2S1	INORG	Zinc	7440-66-6	61.4		0.78		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B148	B148B2S1	PEST	Chlordane (total)	57-74-9	0.00062	J	0.0002		--	no bkg	NA	Soil EqP	--	--	--
B148	B148B2S1DUP	INORG	Barium	7440-39-3	138		0.231		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B148	B148B2S1DUP	INORG	Copper	7440-50-8	3.08	J	0.231		52.77	<BKG	80	EcoSSL Inverts	0.04	<BKG	yes
B148	B148B2S1DUP	INORG	Manganese	7439-96-5	1,840	J	1.29		1,127	713	450	EcoSSL Inverts	4	2	yes
B148	B148B2S1DUP	INORG	Mercury	7439-97-6	0.0252	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B148	B148B2S1DUP	INORG	Titanium	7440-32-6	1,980		8.78		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B148	B148B2S1DUP	INORG	Zinc	7440-66-6	63.9		0.763		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B148	B148B2S1DUP	PEST	Endosulfan	115-29-7	0.0022	J	0.00039		--	no bkg	NA	Soil EqP	--	--	--
B148	B148B3S1	INORG	Barium	7440-39-3	134		0.254		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B148	B148B3S1	INORG	Copper	7440-50-8	12.7		0.254		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B148	B148B3S1	INORG	Manganese	7439-96-5	502		0.355		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B148	B148B3S1	INORG	Mercury	7439-97-6	0.0853	J	0.0146		0.09	<BKG	0.1	ORNL Inverts	0.9	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B148	B148B3S1	INORG	Thallium	7440-28-0	4.14		1.84		4.1	0.04	4.1	Background	1	0.01	yes
B148	B148B3S1	INORG	Titanium	7440-32-6	1,970		9.64		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B148	B148B3S1	INORG	Zinc	7440-66-6	71.9		0.837		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B149	B149B1S1	INORG	Barium	7440-39-3	110		0.0474		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B149	B149B1S1	INORG	Boron	7440-42-8	13.9		1.05		8.22	5.68	20	ORNL Inverts	0.7	0.3	yes
B149	B149B1S1	INORG	Copper	7440-50-8	30.2		0.237		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B149	B149B1S1	INORG	Manganese	7439-96-5	302	J	0.0664		1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
B149	B149B1S1	INORG	Mercury	7439-97-6	0.0772	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B149	B149B1S1	INORG	Titanium	7440-32-6	1,800		9		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B149	B149B1S1	INORG	Zinc	7440-66-6	73.2		0.782		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B149	B149B1S1	SVOC	Phenol	108-95-2	1.4		0.039		--	no bkg	NA	Soil EqP	--	--	--
B149	B149B2S1	INORG	Barium	7440-39-3	112		0.0491		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B149	B149B2S1	INORG	Boron	7440-42-8	15.7		1.09		8.22	7.48	20	ORNL Inverts	0.8	0.4	yes
B149	B149B2S1	INORG	Copper	7440-50-8	33.7		0.246		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B149	B149B2S1	INORG	Manganese	7439-96-5	521	J	0.0688		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B149	B149B2S1	INORG	Mercury	7439-97-6	0.0784	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B149	B149B2S1	INORG	Titanium	7440-32-6	1,750		9.34		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B149	B149B2S1	INORG	Zinc	7440-66-6	77.8		0.811		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
B149	B149B2S1	SVOC	Phenol	108-95-2	0.51		0.041		--	no bkg	NA	Soil EqP	--	--	--
B149	B149B3S1	INORG	Barium	7440-39-3	40.6		0.0472		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B149	B149B3S1	INORG	Boron	7440-42-8	11.9		1.05		8.22	3.68	20	ORNL Inverts	0.6	0.2	yes
B149	B149B3S1	INORG	Copper	7440-50-8	14.9		0.236		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B149	B149B3S1	INORG	Manganese	7439-96-5	76.4	J	0.0661		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B149	B149B3S1	INORG	Mercury	7439-97-6	0.0369	J	0.0134		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B149	B149B3S1	INORG	Titanium	7440-32-6	977		4.48		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B149	B149B3S1	INORG	Zinc	7440-66-6	24.6		0.779		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B149	B149B4S1	INORG	Barium	7440-39-3	85.5		0.0486		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B149	B149B4S1	INORG	Boron	7440-42-8	9.78		1.08		8.22	1.56	20	ORNL Inverts	0.5	0.08	yes
B149	B149B4S1	INORG	Copper	7440-50-8	12.1		0.243		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B149	B149B4S1	INORG	Manganese	7439-96-5	205	J	0.068		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B149	B149B4S1	INORG	Mercury	7439-97-6	0.0433	J	0.0136		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B149	B149B4S1	INORG	Titanium	7440-32-6	986		4.62		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B149	B149B4S1	INORG	Zinc	7440-66-6	33.1		0.802		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B149	B149B5S1	INORG	Barium	7440-39-3	71.9		0.045		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B149	B149B5S1	INORG	Boron	7440-42-8	7.88		1		8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
B149	B149B5S1	INORG	Copper	7440-50-8	6.76		0.225		52.77	<BKG	80	EcoSSL Inverts	0.08	<BKG	yes
B149	B149B5S1	INORG	Manganese	7439-96-5	261	J	0.063		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B149	B149B5S1	INORG	Mercury	7439-97-6	0.0781	J	0.013		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B149	B149B5S1	INORG	Titanium	7440-32-6	546		0.427		2,309	<BKG	1,000	ORNL Inverts	0.5	<BKG	yes
B149	B149B5S1	INORG	Zinc	7440-66-6	20.2		0.742		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B149	B149S1S1	INORG	Barium	7440-39-3	113		0.0498		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B149	B149S1S1	INORG	Boron	7440-42-8	14.6		1.11		8.22	6.38	20	ORNL Inverts	0.7	0.3	yes
B149	B149S1S1	INORG	Copper	7440-50-8	29.1		0.249		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B149	B149S1S1	INORG	Manganese	7439-96-5	459	J	0.0697		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B149	B149S1S1	INORG	Mercury	7439-97-6	0.0684	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B149	B149S1S1	INORG	Titanium	7440-32-6	1,470		9.46		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B149	B149S1S1	INORG	Zinc	7440-66-6	81.3		0.822		89.55	<BKG	120	EcoSSL Inverts	0.7	<BKG	yes
B149	B149S1S1DUP	INORG	Barium	7440-39-3	125		0.0498		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B149	B149S1S1DUP	INORG	Boron	7440-42-8	14.6		1.11		8.22	6.38	20	ORNL Inverts	0.7	0.3	yes
B149	B149S1S1DUP	INORG	Copper	7440-50-8	31.9		0.249		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
B149	B149S1S1DUP	INORG	Manganese	7439-96-5	881	J	0.697		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B149	B149S1S1DUP	INORG	Mercury	7439-97-6	0.0715	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B149	B149S1S1DUP	INORG	Titanium	7440-32-6	1,580		9.45		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B149	B149S1S1DUP	INORG	Zinc	7440-66-6	104		0.821		89.55	14.45	120	EcoSSL Inverts	0.9	0.1	yes
B150151	B150151B1S1	INORG	Barium	7440-39-3	58.3	J	0.0521		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B150151	B150151B1S1	INORG	Boron	7440-42-8	1.49	J	1.16		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B150151	B150151B1S1	INORG	Copper	7440-50-8	14.5		0.26		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B150151	B150151B1S1	INORG	Manganese	7439-96-5	127	J-	0.0729		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B150151	B150151B1S1	INORG	Mercury	7439-97-6	0.0508	J	0.015		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B150151	B150151B1S1	INORG	Thallium	7440-28-0	2.11	J	1.89		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B150151	B150151B1S1	INORG	Titanium	7440-32-6	957		4.95		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B150151	B150151B1S1	INORG	Zinc	7440-66-6	228	J	4.34		89.55	138.45	120	EcoSSL Inverts	2	1	yes
B150151	B150151B1S1	SVOC	Acenaphthylene	208-96-8	0.052	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Anthracene	120-12-7	0.14	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Benzo(a)anthracene	56-55-3	0.66	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Benzo(a)pyrene	50-32-8	0.35	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.91	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Carbazole	86-74-8	0.17	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Chrysene	218-01-9	1	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Fluoranthene	206-44-0	1.5	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	PAHs (High MW)	130498-29-2H	6.883	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	PAHs (Low MW)	130498-29-2L	0.3045	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	PAHs (total)	130498-29-2	7.1875	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1	SVOC	Pyrene	129-00-0	1.6	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	INORG	Barium	7440-39-3	71.2	J	0.0516		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B150151	B150151B1S1DUP	INORG	Copper	7440-50-8	19.9		0.258		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B150151	B150151B1S1DUP	INORG	Manganese	7439-96-5	131	J-	0.0722		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B150151	B150151B1S1DUP	INORG	Mercury	7439-97-6	0.0532	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B150151	B150151B1S1DUP	INORG	Thallium	7440-28-0	2.53	J	1.87		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B150151	B150151B1S1DUP	INORG	Titanium	7440-32-6	1,050		4.9		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B150151	B150151B1S1DUP	INORG	Zinc	7440-66-6	402	J	4.38		89.55	312.45	120	EcoSSL Inverts	3	3	yes
B150151	B150151B1S1DUP	Nitroaromatics	RDX	121-82-4	0.21	J	0.13		--	no bkg	99	Exp EcoSSL	0.002	0.002	yes
B150151	B150151B1S1DUP	SVOC	Benzo(a)anthracene	56-55-3	0.12	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Benzo(a)pyrene	50-32-8	0.071	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.21	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Carbazole	86-74-8	0.051	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Chrysene	218-01-9	0.26	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Fluoranthene	206-44-0	0.4	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	PAHs (High MW)	130498-29-2H	1.5655	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	PAHs (total)	130498-29-2	1.723	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B1S1DUP	SVOC	Pyrene	129-00-0	0.35	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B2S1	INORG	Barium	7440-39-3	79	J	0.0466		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B150151	B150151B2S1	INORG	Copper	7440-50-8	9.44		0.233		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B150151	B150151B2S1	INORG	Manganese	7439-96-5	193	J-	0.0652		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B150151	B150151B2S1	INORG	Mercury	7439-97-6	0.062	J	0.0137		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B150151	B150151B2S1	INORG	Thallium	7440-28-0	2.75	J	1.69		4.1	<BKG	4.1	Background	0.7	<BKG	yes
B150151	B150151B2S1	INORG	Titanium	7440-32-6	1,240		8.85		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B150151	B150151B2S1	INORG	Zinc	7440-66-6	108	J	0.791		89.55	18.45	120	EcoSSL Inverts	0.9	0.2	yes
B150151	B150151B2S1	PEST	Chlordane (total)	57-74-9	0.00051	J	0.0002		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B2S1	PEST	Endosulfan	115-29-7	0.0026		0.0004		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B2S1	PEST	Heptachlor epoxide	1024-57-3	0.00038	J	0.0002		--	no bkg	NA	Soil EqP	--	--	--
B150151	B150151B3S1	INORG	Barium	7440-39-3	127	J	0.0474		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B150151	B150151B3S1	INORG	Copper	7440-50-8	8.02		0.237		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B150151	B150151B3S1	INORG	Manganese	7439-96-5	150	J-	0.0664		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B150151	B150151B3S1	INORG	Mercury	7439-97-6	0.0301	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B150151	B150151B3S1	INORG	Thallium	7440-28-0	2.43	J	1.72		4.1	<BKG	4.1	Background	0.6	<BKG	yes
B150151	B150151B3S1	INORG	Titanium	7440-32-6	1,410		9.02		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B150151	B150151B3S1	INORG	Zinc	7440-66-6	49.3	J	0.783		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B152	B152S1S1	INORG	Barium	7440-39-3	141		0.24		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B152	B152S1S1	INORG	Boron	7440-42-8	22.8	J	5.33		8.22	14.58	20	ORNL Inverts	1	0.7	yes
B152	B152S1S1	INORG	Copper	7440-50-8	18.9		1.2		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B152	B152S1S1	INORG	Manganese	7439-96-5	556		0.335		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B152	B152S1S1	INORG	Mercury	7439-97-6	0.115	J	0.0136		0.09	0.025	0.1	ORNL Inverts	1	0.3	yes
B152	B152S1S1	INORG	Titanium	7440-32-6	1,050		4.55		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B152	B152S1S1	INORG	Zinc	7440-66-6	40.3		3.95		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S2S1	INORG	Barium	7440-39-3	101		0.0485		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S2S1	INORG	Boron	7440-42-8	12.2		1.08		8.22	3.98	20	ORNL Inverts	0.6	0.2	yes
B152	B152S2S1	INORG	Copper	7440-50-8	23		0.242		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S2S1	INORG	Mercury	7439-97-6	0.0954	J	0.0138		0.09	0.0054	0.1	ORNL Inverts	1	0.05	yes
B152	B152S2S1	INORG	Thallium	7440-28-0	4.11		1.76		4.1	0.01	4.1	Background	1	0.002	yes
B152	B152S2S1	INORG	Titanium	7440-32-6	913		4.61		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B152	B152S2S1	INORG	Zinc	7440-66-6	36.2		0.8		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S3S1	INORG	Barium	7440-39-3	95.4		0.0517		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S3S1	INORG	Copper	7440-50-8	19.3		1.29		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B152	B152S3S1	INORG	Manganese	7439-96-5	146		0.362		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B152	B152S3S1	INORG	Mercury	7439-97-6	0.22		0.015		0.09	0.13	0.1	ORNL Inverts	2	1	yes
B152	B152S3S1	INORG	Titanium	7440-32-6	918		4.91		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B152	B152S3S1	INORG	Zinc	7440-66-6	46.5		4.26		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B152	B152S3S1	Nitroaromatics	RDX	121-82-4	0.49		0.13		--	no bkg	99	Exp EcoSSL	0.005	0.005	yes
B153	B153B1S1	INORG	Barium	7440-39-3	84.8		0.0494		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B1S1	INORG	Copper	7440-50-8	26.5		0.245		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B1S1	INORG	Manganese	7439-96-5	235		0.346		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
B153	B153B1S1	INORG	Mercury	7439-97-6	0.058	J	0.0141		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
B153	B153B1S1	INORG	Thallium	7440-28-0	4.03	J	1.79		4.1	<BKG	4.1	Background	1	<BKG	yes
B153	B153B1S1	INORG	Titanium	7440-32-6	1,230		9.39		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B153	B153B1S1	INORG	Zinc	7440-66-6	53.9		0.816		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B153	B153B1S1DUP	INORG	Barium	7440-39-3	90.7		0.0481		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B1S1DUP	INORG	Copper	7440-50-8	25.4		0.24		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B1S1DUP	INORG	Manganese	7439-96-5	287		0.336		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B153	B153B1S1DUP	INORG	Mercury	7439-97-6	0.0481	J	0.0132		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B153	B153B1S1DUP	INORG	Thallium	7440-28-0	4.51	J	1.74		4.1	0.41	4.1	Background	1	0.1	yes
B153	B153B1S1DUP	INORG	Titanium	7440-32-6	1,240		9.13		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B153	B153B1S1DUP	INORG	Zinc	7440-66-6	56.1		0.793		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B153	B153B2S1	INORG	Barium	7440-39-3	101		0.227		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B2S1	INORG	Boron	7440-42-8	1.39	J	1.05		8.22	<BKG	20	ORNL Inverts	0.07	<BKG	yes
B153	B153B2S1	INORG	Copper	7440-50-8	25.1		1.18		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B2S1	INORG	Manganese	7439-96-5	254		0.318		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
B153	B153B2S1	INORG	Mercury	7439-97-6	0.05	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B153	B153B2S1	INORG	Titanium	7440-32-6	1,420		8.63		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B153	B153B2S1	INORG	Zinc	7440-66-6	61.4		3.75		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B153	B153B3S1	INORG	Barium	7440-39-3	45.8		0.0509		235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
B153	B153B3S1	INORG	Copper	7440-50-8	18.2		0.245		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B153	B153B3S1	INORG	Manganese	7439-96-5	66.6		0.0712		1,127	<BKG	450	EcoSSL Inverts	0.1	<BKG	yes
B153	B153B3S1	INORG	Mercury	7439-97-6	0.039	J	0.0142		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B153	B153B3S1	INORG	Thallium	7440-28-0	4.25	J	1.84		4.1	0.15	4.1	Background	1	0.04	yes
B153	B153B3S1	INORG	Titanium	7440-32-6	785		4.83		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B153	B153B3S1	INORG	Zinc	7440-66-6	31.8		0.84		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B153	B153B3S1	PEST	Endosulfan	115-29-7	0.0016	J	0.00042		--	no bkg	NA	Soil EqP	--	--	--
B153	B153B3S1	PEST	Heptachlor epoxide	1024-57-3	0.0031		0.00022		--	no bkg	NA	Soil EqP	--	--	--
B153	B153B3S1	SVOC	Phenol	108-95-2	0.72		0.042		--	no bkg	NA	Soil EqP	--	--	--
B153	B153S1S1	INORG	Barium	7440-39-3	88.9		0.0532		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B153	B153S1S1	INORG	Copper	7440-50-8	10.8		0.263		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
B153	B153S1S1	INORG	Manganese	7439-96-5	392		0.372		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
B153	B153S1S1	INORG	Mercury	7439-97-6	0.0308	J	0.0153		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B153	B153S1S1	INORG	Titanium	7440-32-6	797		5.05		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B153	B153S1S1	INORG	Zinc	7440-66-6	281		4.39		89.55	191.45	120	EcoSSL Inverts	2	2	yes
B153	B153S1S1	VOC	Acetone	67-64-1	0.016	J	0.011		--	no bkg	NA	Soil EqP	--	--	--
B154	B154B1S1	INORG	Barium	7440-39-3	269		0.226		235.76	33.24	330	EcoSSL Inverts	0.8	0.1	yes
B154	B154B1S1	INORG	Boron	7440-42-8	19.3	J	5.03		8.22	11.08	20	ORNL Inverts	1	0.6	yes
B154	B154B1S1	INORG	Copper	7440-50-8	72.3		1.13		52.77	19.53	80	EcoSSL Inverts	0.9	0.2	yes
B154	B154B1S1	INORG	Manganese	7439-96-5	1,690	J-	1.27		1,127	563	450	EcoSSL Inverts	4	1	yes
B154	B154B1S1	INORG	Thallium	7440-28-0	11.8	J	8.19		4.1	7.7	4.1	Background	3	2	NO
B154	B154B1S1	INORG	Titanium	7440-32-6	2,230		2.15		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B154	B154B1S1	INORG	Zinc	7440-66-6	186		3.73		89.55	96.45	120	EcoSSL Inverts	2	0.8	yes
B154	B154S1S1	INORG	Barium	7440-39-3	83.8		0.0488		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B154	B154S1S1	INORG	Boron	7440-42-8	14.8		1.09		8.22	6.58	20	ORNL Inverts	0.7	0.3	yes
B154	B154S1S1	INORG	Copper	7440-50-8	13.2		0.244		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B154	B154S1S1	INORG	Manganese	7439-96-5	147	J-	0.0684		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B154	B154S1S1	INORG	Mercury	7439-97-6	0.0182	J	0.0135		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B154	B154S1S1	INORG	Thallium	7440-28-0	2.01	J	1.77		4.1	<BKG	4.1	Background	0.5	<BKG	yes
B154	B154S1S1	INORG	Titanium	7440-32-6	1,230		9.28		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B154	B154S1S1	INORG	Zinc	7440-66-6	41.8		0.806		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B154	B154S2S1	INORG	Barium	7440-39-3	200		0.229		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B154	B154S2S1	INORG	Boron	7440-42-8	14.7	J	5.09		8.22	6.48	20	ORNL Inverts	0.7	0.3	yes
B154	B154S2S1	INORG	Copper	7440-50-8	63.6		1.14		52.77	10.83	80	EcoSSL Inverts	0.8	0.1	yes
B154	B154S2S1	INORG	Manganese	7439-96-5	1,020	J-	0.64		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B154	B154S2S1	INORG	Titanium	7440-32-6	2,200		8.69		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B154	B154S2S1	INORG	Zinc	7440-66-6	179		3.77		89.55	89.45	120	EcoSSL Inverts	1	0.7	yes
B155	B155B1S1	INORG	Barium	7440-39-3	50.6		0.0509	5.015	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B155	B155B1S1	INORG	Boron	7440-42-8	10.7		1.13	5.015	8.22	2.48	20	ORNL Inverts	0.5	0.1	yes
B155	B155B1S1	INORG	Copper	7440-50-8	23.9		0.254	5.015	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B155	B155B1S1	INORG	Mercury	7439-97-6	0.0763	J	0.0148	5.015	0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
B155	B155B1S1	INORG	Titanium	7440-32-6	910		4.83	5.015	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B155	B155B1S1	INORG	Zinc	7440-66-6	23.3		0.839	5.015	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
B155	B155B2S1	INORG	Barium	7440-39-3	81.9		0.052	5.015	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B155	B155B2S1	INORG	Boron	7440-42-8	13.5		1.16	5.015	8.22	5.28	20	ORNL Inverts	0.7	0.3	yes
B155	B155B2S1	INORG	Copper	7440-50-8	20.2		0.26	5.015	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B155	B155B2S1	INORG	Mercury	7439-97-6	0.0345	J	0.015	5.015	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
B155	B155B2S1	INORG	Thallium	7440-28-0	2.34	J	1.88	5.015	4.1	<BKG	4.1	Background	0.6	<BKG	yes
B155	B155B2S1	INORG	Titanium	7440-32-6	994		4.94	5.015	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B155	B155B2S1	INORG	Zinc	7440-66-6	32.9		0.858	5.015	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B155	B155B2S1	PEST	Endosulfan	115-29-7	0.0025	J	0.00043	5.015	--	no bkg	NA	Soil EqP	--	--	--
B155	B155B2S1	VOC	Acetone	67-64-1	0.016	J	0.012	5.015	--	no bkg	NA	Soil EqP	--	--	--
B155	B155B3S1	INORG	Barium	7440-39-3	88.2	J	0.0478	5.015	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B155	B155B3S1	INORG	Copper	7440-50-8	17.8		0.239	5.015	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
B155	B155B3S1	INORG	Manganese	7439-96-5	563		0.067	5.015	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B155	B155B3S1	INORG	Mercury	7439-97-6	0.0241	J	0.0136	5.015	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B155	B155B3S1	INORG	Thallium	7440-28-0	3.93		1.73	5.015	4.1	<BKG	4.1	Background	1	<BKG	yes
B155	B155B3S1	INORG	Titanium	7440-32-6	744		4.54	5.015	2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
B155	B155B3S1	INORG	Zinc	7440-66-6	48.3		0.813	5.015	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B155	B155B3S1	VOC	Acetone	67-64-1	0.018	J	0.008	5.015	--	no bkg	NA	Soil EqP	--	--	--
B155	B155B4S1	INORG	Barium	7440-39-3	226		0.242	5.015	235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
B155	B155B4S1	INORG	Copper	7440-50-8	41.6		1.21	5.015	52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B155	B155B4S1	INORG	Manganese	7439-96-5	1,620		1.36	5.015	1,127	493	450	EcoSSL Inverts	4	1	yes
B155	B155B4S1	INORG	Mercury	7439-97-6	0.0241	J	0.0133	5.015	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B155	B155B4S1	INORG	Titanium	7440-32-6	1,080		4.61	5.015	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B155	B155B4S1	INORG	Zinc	7440-66-6	51.9		4.04	5.015	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B155	B155S1S1	INORG	Barium	7440-39-3	155		0.247	5.015	235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
B155	B155S1S1	INORG	Copper	7440-50-8	42.4		1.23	5.015	52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B155	B155S1S1	INORG	Manganese	7439-96-5	579		0.346	5.015	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B155	B155S1S1	INORG	Mercury	7439-97-6	0.0497	J	0.0137	5.015	0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B155	B155S1S1	INORG	Titanium	7440-32-6	1,090		4.69	5.015	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B155	B155S1S1	INORG	Zinc	7440-66-6	36.4		4.07	5.015	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B155	B155S1S1DUP	INORG	Barium	7440-39-3	187		0.246	5.015	235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B155	B155S1S1DUP	INORG	Copper	7440-50-8	42.6		1.23	5.015	52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
B155	B155S1S1DUP	INORG	Manganese	7439-96-5	591		0.345	5.015	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B155	B155S1S1DUP	INORG	Mercury	7439-97-6	0.0369	J	0.0141	5.015	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B155	B155S1S1DUP	INORG	Titanium	7440-32-6	1,100		4.68	5.015	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B155	B155S1S1DUP	INORG	Zinc	7440-66-6	38.7		4.06	5.015	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
B155	B155S2S1	INORG	Barium	7440-39-3	95.9		0.0666	5.015	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B155	B155S2S1	INORG	Boron	7440-42-8	11.9		1.48	5.015	8.22	3.68	20	ORNL Inverts	0.6	0.2	yes
B155	B155S2S1	INORG	Copper	7440-50-8	23.7		0.333	5.015	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B155	B155S2S1	INORG	Mercury	7439-97-6	0.046	J	0.0187	5.015	0.09	<BKG	0.1	ORNL Inverts	0.5	<BKG	yes
B155	B155S2S1	INORG	Titanium	7440-32-6	1,000		6.32	5.015	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B155	B155S2S1	INORG	Zinc	7440-66-6	45.7		1.1	5.015	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B155	B155S2S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.1	J	0.056	5.015	--	no bkg	NA	Soil EqP	--	--	--
B156	B156B1S1	INORG	Barium	7440-39-3	80.2		0.0573		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
B156	B156B1S1	INORG	Boron	7440-42-8	14.4		1.28		8.22	6.18	20	ORNL Inverts	0.7	0.3	yes
B156	B156B1S1	INORG	Copper	7440-50-8	62.8		0.287		52.77	10.03	80	EcoSSL Inverts	0.8	0.1	yes
B156	B156B1S1	INORG	Manganese	7439-96-5	480	J	0.401		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
B156	B156B1S1	INORG	Mercury	7439-97-6	0.0223	J	0.0164		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
B156	B156B1S1	INORG	Titanium	7440-32-6	1,140		10.9		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B156	B156B1S1	INORG	Zinc	7440-66-6	185		4.73		89.55	95.45	120	EcoSSL Inverts	2	0.8	yes
B156	B156B1S1	SVOC	Benzoic acid	65-85-0	0.32	J	0.24		--	no bkg	NA	Soil EqP	--	--	--
B156	B156B1S1	VOC	Acetone	67-64-1	0.01	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
B156	B156S1S1	INORG	Barium	7440-39-3	96.2		0.0521		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B156	B156S1S1	INORG	Boron	7440-42-8	13		1.16		8.22	4.78	20	ORNL Inverts	0.7	0.2	yes
B156	B156S1S1	INORG	Copper	7440-50-8	22.2		0.26		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B156	B156S1S1	INORG	Manganese	7439-96-5	180	J	0.365		1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
B156	B156S1S1	INORG	Mercury	7439-97-6	0.0663	J	0.0149		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
B156	B156S1S1	INORG	Titanium	7440-32-6	1,400		9.9		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B156	B156S1S1	INORG	Zinc	7440-66-6	63		0.859		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B156	B156S2S1	INORG	Barium	7440-39-3	92.6		0.0517		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B156	B156S2S1	INORG	Boron	7440-42-8	11.3		1.15		8.22	3.08	20	ORNL Inverts	0.6	0.2	yes
B156	B156S2S1	INORG	Copper	7440-50-8	20.7		0.259		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B156	B156S2S1	INORG	Manganese	7439-96-5	118	J	0.0724		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
B156	B156S2S1	INORG	Mercury	7439-97-6	0.0557	J	0.0145		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
B156	B156S2S1	INORG	Titanium	7440-32-6	1,210		9.83		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
B156	B156S2S1	INORG	Zinc	7440-66-6	42.3		0.854		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B-E-R	BERS1S1	INORG	Barium	7440-39-3	124		0.0555		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
B-E-R	BERS1S1	INORG	Copper	7440-50-8	22.7		0.278		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
B-E-R	BERS1S1	INORG	Manganese	7439-96-5	382		0.389		1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
B-E-R	BERS1S1	INORG	Mercury	7439-97-6	0.0415	J	0.0157		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
B-E-R	BERS1S1	INORG	Titanium	7440-32-6	1,520		10.6		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B-E-R	BERS1S1	INORG	Zinc	7440-66-6	64.3		0.917		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
B-E-R	BERS2S1	INORG	Barium	7440-39-3	208		0.244		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
B-E-R	BERS2S1	INORG	Copper	7440-50-8	47.2		0.244		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
B-E-R	BERS2S1	INORG	Manganese	7439-96-5	894		1.36		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
B-E-R	BERS2S1	INORG	Titanium	7440-32-6	2,120		9.26		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
B-E-R	BERS2S1	INORG	Zinc	7440-66-6	91.8		0.804		89.55	2.25	120	EcoSSL Inverts	0.8	0.02	yes
B-E-R	BERS3S1	INORG	Barium	7440-39-3	93.7		0.0459		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B-E-R	BERS3S1	INORG	Copper	7440-50-8	2.74		0.229		52.77	<BKG	80	EcoSSL Inverts	0.03	<BKG	yes
B-E-R	BERS3S1	INORG	Manganese	7439-96-5	86.8		0.0643		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B-E-R	BERS3S1	INORG	Titanium	7440-32-6	847		4.36		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
B-E-R	BERS3S1	INORG	Zinc	7440-66-6	50.2		0.757		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Barium	7440-39-3	96.9		0.0462		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Copper	7440-50-8	3.04		0.231		52.77	<BKG	80	EcoSSL Inverts	0.04	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Manganese	7439-96-5	87.8		0.0647		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Titanium	7440-32-6	909		4.39		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
B-E-R	BERS3S1DUP	INORG	Zinc	7440-66-6	52.1		0.763		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS10S1	INORG	Barium	7440-39-3	154		0.242		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS10S1	INORG	Copper	7440-50-8	39.1		0.266		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS10S1	INORG	Manganese	7439-96-5	222	J	0.472		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS10S1	INORG	Mercury	7439-97-6	0.055	J	0.0034		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
BGS	BGS10S1	INORG	Titanium	7440-32-6	1,020		4.73		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS10S1	INORG	Zinc	7440-66-6	33.9		0.798		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS11S1	INORG	Barium	7440-39-3	167		0.23		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS11S1	INORG	Copper	7440-50-8	29.1		0.253		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS11S1	INORG	Manganese	7439-96-5	636	J	0.449		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
BGS	BGS11S1	INORG	Mercury	7439-97-6	0.0182	J	0.0032		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
BGS	BGS11S1	INORG	Titanium	7440-32-6	1,940		8.76		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
BGS	BGS11S1	INORG	Zinc	7440-66-6	77.2		0.76		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS12S1	INORG	Barium	7440-39-3	130		0.235		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS12S1	INORG	Copper	7440-50-8	14.3		0.258		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS12S1	INORG	Manganese	7439-96-5	472	J	0.458		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
BGS	BGS12S1	INORG	Mercury	7439-97-6	0.0361	J	0.0034		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
BGS	BGS12S1	INORG	Titanium	7440-32-6	1,430		8.83		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS12S1	INORG	Zinc	7440-66-6	43.7		0.774		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS1S1	INORG	Barium	7440-39-3	102		0.0492		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS1S1	INORG	Copper	7440-50-8	9.31		0.271		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
BGS	BGS1S1	INORG	Manganese	7439-96-5	83.9	J	0.0959		1,127	<BKG	450	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS1S1	INORG	Mercury	7439-97-6	0.019	J	0.0035		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
BGS	BGS1S1	INORG	Titanium	7440-32-6	1,140		4.72		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS1S1	INORG	Zinc	7440-66-6	41.8		0.812		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS2S1	INORG	Barium	7440-39-3	109		0.0479		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS2S1	INORG	Copper	7440-50-8	10.6		0.263		52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
BGS	BGS2S1	INORG	Manganese	7439-96-5	228	J	0.0934		1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS2S1	INORG	Mercury	7439-97-6	0.0199	J	0.0032		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
BGS	BGS2S1	INORG	Titanium	7440-32-6	750		4.46		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
BGS	BGS2S1	INORG	Zinc	7440-66-6	27.9		0.79		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS3S1	INORG	Barium	7440-39-3	124		0.245		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS3S1	INORG	Copper	7440-50-8	31.3		0.27		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS3S1	INORG	Manganese	7439-96-5	386	J	0.478		1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
BGS	BGS3S1	INORG	Mercury	7439-97-6	0.0378	J	0.0037		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
BGS	BGS3S1	INORG	Titanium	7440-32-6	1,140		4.89		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS3S1	INORG	Zinc	7440-66-6	39.6		0.809		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS4S1	INORG	Barium	7440-39-3	214		0.0989		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS4S1	INORG	Copper	7440-50-8	24.3		0.272		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS4S1	INORG	Manganese	7439-96-5	1,320	J	1.93		1,127	193	450	EcoSSL Inverts	3	0.4	yes
BGS	BGS4S1	INORG	Mercury	7439-97-6	0.0299	J	0.0035		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
BGS	BGS4S1	INORG	Titanium	7440-32-6	1,000		4.7		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS4S1	INORG	Zinc	7440-66-6	42.9		0.816		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS5S1	INORG	Barium	7440-39-3	171		0.236		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS5S1	INORG	Copper	7440-50-8	25.7		0.26		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS5S1	INORG	Manganese	7439-96-5	142	J	0.46		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS5S1	INORG	Mercury	7439-97-6	0.0339	J	0.0032		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
BGS	BGS5S1	INORG	Titanium	7440-32-6	1,020		4.48		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS5S1	INORG	Zinc	7440-66-6	42		0.779		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BGS	BGS6S1	INORG	Barium	7440-39-3	209		0.468		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS6S1	INORG	Copper	7440-50-8	24.9		0.257		52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS6S1	INORG	Manganese	7439-96-5	154	J	0.912		1,127	<BKG	450	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS6S1	INORG	Mercury	7439-97-6	0.072	J	0.0035		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
BGS	BGS6S1	INORG	Titanium	7440-32-6	1,680		9.15		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
BGS	BGS6S1	INORG	Zinc	7440-66-6	68.4		0.772		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS7S1	INORG	Barium	7440-39-3	80.5		0.0503		235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS7S1	INORG	Boron	7440-42-8	6.6	J	5.6		8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
BGS	BGS7S1	INORG	Copper	7440-50-8	48.7		0.277		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS7S1	INORG	Manganese	7439-96-5	279	J	0.0981		1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS7S1	INORG	Mercury	7439-97-6	0.0355	J	0.0035		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
BGS	BGS7S1	INORG	Titanium	7440-32-6	1,090		4.87		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS7S1	INORG	Zinc	7440-66-6	34.8		0.83		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS8S1	INORG	Barium	7440-39-3	107		0.0481		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
BGS	BGS8S1	INORG	Copper	7440-50-8	17.7		0.265		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS8S1	INORG	Manganese	7439-96-5	1,100	J	0.938		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
BGS	BGS8S1	INORG	Mercury	7439-97-6	0.0206	J	0.0035		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
BGS	BGS8S1	INORG	Titanium	7440-32-6	649		4.62		2,309	<BKG	1,000	ORNL Inverts	0.6	<BKG	yes
BGS	BGS8S1	INORG	Zinc	7440-66-6	27.6		0.794		89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
BGS	BGS9S1	INORG	Barium	7440-39-3	207		0.257		235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
BGS	BGS9S1	INORG	Copper	7440-50-8	41.6		1.41		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BGS	BGS9S1	INORG	Manganese	7439-96-5	1,740	J	0.502		1,127	613	450	EcoSSL Inverts	4	1	yes
BGS	BGS9S1	INORG	Mercury	7439-97-6	0.0194	J	0.0037		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
BGS	BGS9S1	INORG	Titanium	7440-32-6	997		4.98		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BGS	BGS9S1	INORG	Zinc	7440-66-6	57.5		4.24		89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
BP	BPB1S1	INORG	Barium	7440-39-3	119	J	0.0498		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
BP	BPB1S1	INORG	Copper	7440-50-8	28.9		0.249		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
BP	BPB1S1	INORG	Mercury	7439-97-6	0.1	J	0.0141		0.09	0.01	0.1	ORNL Inverts	1	0.1	yes
BP	BPB1S1	INORG	Titanium	7440-32-6	955	J	4.73		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BP	BPB1S1	INORG	Zinc	7440-66-6	33.7		0.822		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
BP	BPB1S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.25	J	0.084		--	no bkg	NA	Soil EqP	--	--	--
BP	BPB2S1	INORG	Barium	7440-39-3	105	J	0.0461		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
BP	BPB2S1	INORG	Copper	7440-50-8	41.1		0.231		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BP	BPB2S1	INORG	Mercury	7439-97-6	0.0563	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.6	<BKG	yes
BP	BPB2S1	INORG	Zinc	7440-66-6	97.5		0.761		89.55	7.95	120	EcoSSL Inverts	0.8	0.07	yes
BP	BPB2S1	SVOC	bis (2-Ethylhexyl) phthalate	117-81-7	0.16	J	0.08		--	no bkg	NA	Soil EqP	--	--	--
BP	BPB2S1	VOC	Benzene	71-43-2	0.0009	J	0.0005		--	no bkg	NA	Soil EqP	--	--	--
BP	BPB2S1	VOC	Toluene	108-88-3	0.002	J	0.001		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1	INORG	Barium	7440-39-3	91.3	J	0.0487		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
BP	BPS1S1	INORG	Boron	7440-42-8	3.16	J	1.08		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
BP	BPS1S1	INORG	Copper	7440-50-8	38		0.243		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BP	BPS1S1	INORG	Manganese	7439-96-5	636	J	0.681		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
BP	BPS1S1	INORG	Mercury	7439-97-6	0.0803	J	0.0133		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
BP	BPS1S1	INORG	Perchlorate	14797-73-0	0.0034	J	0.0026		--	no bkg	1	NCEA	0.003	0.003	yes
BP	BPS1S1	INORG	Titanium	7440-32-6	957	J	4.62		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
BP	BPS1S1	INORG	Zinc	7440-66-6	50.5		0.803		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BP	BPS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.48	NJ	0.12		--	no bkg	16	Exp EcoSSL	0.03	0.03	yes
BP	BPS1S1	Nitroaromatics	RDX	121-82-4	0.34	J	0.12		--	no bkg	99	Exp EcoSSL	0.003	0.003	yes
BP	BPS1S1	SVOC	CS	2698-41-1	0.59	J	0.2		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1	SVOC	Phenol	108-95-2	0.72	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1	VOC	Benzene	71-43-2	0.0007	J	0.0006		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1DUP	INORG	Barium	7440-39-3	90.9	J	0.0487		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
BP	BPS1S1DUP	INORG	Boron	7440-42-8	3.05	J	1.08		8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
BP	BPS1S1DUP	INORG	Copper	7440-50-8	36.2		0.244		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BP	BPS1S1DUP	INORG	Manganese	7439-96-5	917	J	0.682		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
BP	BPS1S1DUP	INORG	Mercury	7439-97-6	0.0806	J	0.0134		0.09	<BKG	0.1	ORNL Inverts	0.8	<BKG	yes
BP	BPS1S1DUP	INORG	Perchlorate	14797-73-0	0.048		0.0026		--	no bkg	1	NCEA	0.05	0.05	yes
BP	BPS1S1DUP	INORG	Titanium	7440-32-6	908	J	4.63		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
BP	BPS1S1DUP	INORG	Zinc	7440-66-6	52		0.804		89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
BP	BPS1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.24	J	0.12		--	no bkg	16	Exp EcoSSL	0.02	0.02	yes
BP	BPS1S1DUP	Nitroaromatics	RDX	121-82-4	1.7	J	0.12		--	no bkg	99	Exp EcoSSL	0.02	0.02	yes
BP	BPS1S1DUP	SVOC	CS	2698-41-1	1.8	J	0.21		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1DUP	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.61	J	0.041		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS1S1DUP	VOC	Benzene	71-43-2	0.0009	J	0.0006		--	no bkg	NA	Soil EqP	--	--	--
BP	BPS2S1	INORG	Barium	7440-39-3	881	J	0.576		235.76	645.24	330	EcoSSL Inverts	3	2	yes
BP	BPS2S1	INORG	Boron	7440-42-8	31.1		1.28		8.22	22.88	20	ORNL Inverts	2	1	yes
BP	BPS2S1	INORG	Copper	7440-50-8	38.4		0.288		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BP	BPS2S1	INORG	Mercury	7439-97-6	0.0878	J	0.0163		0.09	<BKG	0.1	ORNL Inverts	0.9	<BKG	yes
BP	BPS2S1	INORG	Titanium	7440-32-6	661	J	5.47		2,309	<BKG	1,000	ORNL Inverts	0.7	<BKG	yes
BP	BPS2S1	INORG	Zinc	7440-66-6	200		0.95		89.55	110.45	120	EcoSSL Inverts	2	0.9	yes
BP	BPS2S1	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.92		0.048		--	no bkg	NA	Soil EqP	--	--	--
BVL	BVLS1S1	INORG	Barium	7440-39-3	161		0.218		235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
BVL	BVLS1S1	INORG	Boron	7440-42-8	22.2	J	4.86		8.22	13.98	20	ORNL Inverts	1	0.7	yes
BVL	BVLS1S1	INORG	Copper	7440-50-8	39.3		1.09		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
BVL	BVLS1S1	INORG	Manganese	7439-96-5	428		0.306		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
BVL	BVLS1S1	INORG	Mercury	7439-97-6	0.0319	J	0.0128		0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
BVL	BVLS1S1	INORG	Titanium	7440-32-6	1,550		8.3		2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
BVL	BVLS1S1	INORG	Zinc	7440-66-6	123		3.6		89.55	33.45	120	EcoSSL Inverts	1	0.3	yes
DA23	DA23B2S1	INORG	Barium	7440-39-3	127		0.0535		235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
DA23	DA23B2S1	INORG	Boron	7440-42-8	2.39	J	1.19		8.22	<BKG	20	ORNL Inverts	0.1	<BKG	yes
DA23	DA23B2S1	INORG	Copper	7440-50-8	44.5		0.267		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
DA23	DA23B2S1	INORG	Manganese	7439-96-5	607		0.374		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
DA23	DA23B2S1	INORG	Mercury	7439-97-6	0.0449	J	0.0149		0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
DA23	DA23B2S1	INORG	Titanium	7440-32-6	1,200		5.08		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
DA23	DA23B2S1	INORG	Zinc	7440-66-6	101		0.882		89.55	11.45	120	EcoSSL Inverts	0.8	0.1	yes
DA23	DA23B2S1	SVOC	1,1'-Biphenyl	92-52-4	0.08	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	1-Methylnaphthalene	90-12-0	0.14	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	2-Methyl naphthalene	91-57-6	0.21	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Acenaphthene	83-32-9	1.4	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Anthracene	120-12-7	1.4	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Benzo(a)anthracene	56-55-3	3.3	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Benzo(a)pyrene	50-32-8	2.3	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Benzo(b)fluoranthene	205-99-2	3	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Carbazole	86-74-8	1	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Chrysene	218-01-9	3.6	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Dibenzofuran	132-64-9	0.63	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Fluoranthene	206-44-0	8.4		0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Fluorene	86-73-7	0.83	J	0.045		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	PAHs (High MW)	130498-29-2H	30.89	J	0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	PAHs (Low MW)	130498-29-2L	11.1025	J	0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	PAHs (total)	130498-29-2	41.9925	J	0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Phenanthrene	85-01-8	7.1		0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	SVOC	Pyrene	129-00-0	5.9		0.22		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B2S1	VOC	Acetone	67-64-1	0.008	J	0.008		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B3S1	INORG	Barium	7440-39-3	253		0.249		235.76	17.24	330	EcoSSL Inverts	0.8	0.05	yes
DA23	DA23B3S1	INORG	Copper	7440-50-8	28.8		0.249		52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
DA23	DA23B3S1	INORG	Manganese	7439-96-5	981		0.698		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
DA23	DA23B3S1	INORG	Mercury	7439-97-6	0.015	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
DA23	DA23B3S1	INORG	Titanium	7440-32-6	2,790		9.48		2,309	481	1,000	ORNL Inverts	3	0.5	yes
DA23	DA23B3S1	INORG	Zinc	7440-66-6	99.3		0.823		89.55	9.75	120	EcoSSL Inverts	0.8	0.08	yes
DA23	DA23B4S1	VOC	Acetone	67-64-1	0.031	J	0.009		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23B6B1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	60	J	0.7		--	no bkg	16	Exp EcoSSL	4	4	yes
DA23	DA23B6B1	Nitroaromatics	HMX	2691-41-0	0.42	J	0.35		--	no bkg	600	Exp EcoSSL	0.0007	0.0007	yes
DA23	DA23B6B1	VOC	1,2-Dichloroethane	107-06-2	0.009		0.001		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23S1S1	INORG	Barium	7440-39-3	250		0.246		235.76	14.24	330	EcoSSL Inverts	0.8	0.04	yes
DA23	DA23S1S1	INORG	Copper	7440-50-8	36.3		0.244		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
DA23	DA23S1S1	INORG	Manganese	7439-96-5	809		0.69		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
DA23	DA23S1S1	INORG	Titanium	7440-32-6	2,430		9.36		2,309	121	1,000	ORNL Inverts	2	0.1	yes
DA23	DA23S1S1	INORG	Zinc	7440-66-6	135		0.813		89.55	45.45	120	EcoSSL Inverts	1	0.4	yes
DA23	DA23S1S1	PEST	Endosulfan	115-29-7	0.007	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23S1S1DUP	INORG	Barium	7440-39-3	264		0.243		235.76	28.24	330	EcoSSL Inverts	0.8	0.09	yes
DA23	DA23S1S1DUP	INORG	Copper	7440-50-8	38.6		0.248		52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
DA23	DA23S1S1DUP	INORG	Manganese	7439-96-5	905		0.68		1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
DA23	DA23S1S1DUP	INORG	Titanium	7440-32-6	2,500		9.22		2,309	191	1,000	ORNL Inverts	3	0.2	yes
DA23	DA23S1S1DUP	INORG	Zinc	7440-66-6	131		0.801		89.55	41.45	120	EcoSSL Inverts	1	0.3	yes
DA23	DA23S1S1DUP	PEST	Chlordane (total)	57-74-9	0.0021	J	0.00021		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23S1S1DUP	PEST	Endosulfan	115-29-7	0.025	J	0.0014		--	no bkg	NA	Soil EqP	--	--	--
DA23	DA23S1S1DUP	PEST	Endosulfan sulfate	1031-07-8	0.00045	J	0.00041		--	no bkg	NA	Soil EqP	--	--	--
DEBAREA1	DebrisArea1S1S1	INORG	Barium	7440-39-3	38.6		0.044	5.7775	235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Boron	7440-42-8	10.8	J	0.98	5.7775	8.22	2.58	20	ORNL Inverts	0.5	0.1	yes
DEBAREA1	DebrisArea1S1S1	INORG	Copper	7440-50-8	14.9		0.22	5.7775	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
DEBAREA1	DebrisArea1S1S1	INORG	Mercury	7439-97-6	0.0247	J	0.013	5.7775	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Thallium	7440-28-0	3.5	J	1.6	5.7775	4.1	<BKG	4.1	Background	0.9	<BKG	yes
DEBAREA1	DebrisArea1S1S1	INORG	Zinc	7440-66-6	18.6	J	0.727	5.7775	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1	VOC	Acetone	67-64-1	0.024	J	0.008	5.7775	--	no bkg	NA	Soil EqP	--	--	--
DEBAREA1	DebrisArea1S1S1DUP	INORG	Barium	7440-39-3	50		0.0455	5.7775	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Copper	7440-50-8	19.4		1.14	5.7775	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Mercury	7439-97-6	0.0204	J	0.0127	5.7775	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	INORG	Zinc	7440-66-6	30.6	J	3.75	5.7775	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
DEBAREA1	DebrisArea1S1S1DUP	VOC	Acetone	67-64-1	0.05	J	0.007	5.7775	--	no bkg	NA	Soil EqP	--	--	--
DEBAREA1	DebrisArea1S2S1	INORG	Barium	7440-39-3	94.7		0.051	5.7775	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Boron	7440-42-8	9.35		1.14	5.7775	8.22	1.13	20	ORNL Inverts	0.5	0.06	yes
DEBAREA1	DebrisArea1S2S1	INORG	Copper	7440-50-8	33.2		0.255	5.7775	52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Mercury	7439-97-6	0.0328	J	0.0146	5.7775	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
DEBAREA1	DebrisArea1S2S1	INORG	Thallium	7440-28-0	5.06		1.85	5.7775	4.1	0.96	4.1	Background	1	0.2	yes
DEBAREA1	DebrisArea1S2S1	INORG	Zinc	7440-66-6	58.4		0.842	5.7775	89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Barium	7440-39-3	76.3		0.0396	5.7775	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Boron	7440-42-8	10.1		0.881	5.7775	8.22	1.88	20	ORNL Inverts	0.5	0.09	yes
DEBAREA1	DebrisArea1S3S1	INORG	Copper	7440-50-8	39.2		0.198	5.7775	52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Mercury	7439-97-6	0.0281	J	0.0109	5.7775	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Thallium	7440-28-0	1.67	J	1.44	5.7775	4.1	<BKG	4.1	Background	0.4	<BKG	yes
DEBAREA1	DebrisArea1S3S1	INORG	Zinc	7440-66-6	58.4		0.653	5.7775	89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	HMX	2691-41-0	600		25	5.7775	--	no bkg	600	Exp EcoSSL	1	1	yes
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	RDX	121-82-4	5,200		50	5.7775	--	no bkg	99	Exp EcoSSL	50	50	yes
DEBAREA1	DebrisArea1S3S1	VOC	Acetone	67-64-1	0.075		0.008	5.7775	--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPS1S1	INORG	Barium	7440-39-3	95.1		0.0482		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
DUMP	DUMPS1S1	INORG	Copper	7440-50-8	13.7		0.241		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
DUMP	DUMPS1S1	INORG	Manganese	7439-96-5	501		0.338		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
DUMP	DUMPS1S1	INORG	Titanium	7440-32-6	839		0.458		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
DUMP	DUMPS1S1	INORG	Zinc	7440-66-6	30		0.796		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Barium	7440-39-3	90.2		0.0489		235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Copper	7440-50-8	14.5		0.244		52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Manganese	7439-96-5	550		0.342		1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Titanium	7440-32-6	803		0.465		2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
DUMP	DUMPS1S1DUP	INORG	Zinc	7440-66-6	31.2		0.807		89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
DUMP	DUMPTP1S1	INORG	Barium	7440-39-3	416		0.0495		235.76	180.24	330	EcoSSL Inverts	1	0.5	yes
DUMP	DUMPTP1S1	INORG	Copper	7440-50-8	53.3		0.248		52.77	0.53	80	EcoSSL Inverts	0.7	0.007	yes
DUMP	DUMPTP1S1	INORG	Manganese	7439-96-5	1,620		1.39		1,127	493	450	EcoSSL Inverts	4	1	yes
DUMP	DUMPTP1S1	INORG	Mercury	7439-97-6	0.0747	J	0.014		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
DUMP	DUMPTP1S1	INORG	Thallium	7440-28-0	2.07	J	1.79		4.1	<BKG	4.1	Background	0.5	<BKG	yes
DUMP	DUMPTP1S1	INORG	Titanium	7440-32-6	968		4.7		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
DUMP	DUMPTP1S1	INORG	Zinc	7440-66-6	114		0.817		89.55	24.45	120	EcoSSL Inverts	1	0.2	yes
DUMP	DUMPTP3S1	INORG	Barium	7440-39-3	233		0.0567		235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
DUMP	DUMPTP3S1	INORG	Copper	7440-50-8	53.7		0.283		52.77	0.93	80	EcoSSL Inverts	0.7	0.01	yes
DUMP	DUMPTP3S1	INORG	Manganese	7439-96-5	2,120		1.59		1,127	993	450	EcoSSL Inverts	5	2	yes
DUMP	DUMPTP3S1	INORG	Mercury	7439-97-6	4.26		0.154		0.09	4.17	0.1	ORNL Inverts	40	40	NO
DUMP	DUMPTP3S1	INORG	Titanium	7440-32-6	949		5.33		2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
DUMP	DUMPTP3S1	INORG	Zinc	7440-66-6	190		0.935		89.55	100.45	120	EcoSSL Inverts	2	0.8	yes
DUMP	DUMPTP3S1	SVOC	Benzo(a)pyrene	50-32-8	0.049	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP3S1	SVOC	Benzo(b)fluoranthene	205-99-2	0.065	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP3S1	SVOC	Chrysene	218-01-9	0.059	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP3S1	SVOC	Fluoranthene	206-44-0	0.073	J	0.048		--	no bkg	NA	Soil EqP	--	--	--

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
DUMP	DUMPTP3S1	SVOC	PAHs (High MW)	130498-29-2H	0.472	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP3S1	SVOC	PAHs (total)	130498-29-2	0.64	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP3S1	SVOC	Pyrene	129-00-0	0.074	J	0.048		--	no bkg	NA	Soil EqP	--	--	--
DUMP	DUMPTP5S1	INORG	Barium	7440-39-3	220		0.0515		235.76	<BKG	330	EcoSSL Inverts	0.7	<BKG	yes
DUMP	DUMPTP5S1	INORG	Copper	7440-50-8	50.5		0.258		52.77	<BKG	80	EcoSSL Inverts	0.6	<BKG	yes
DUMP	DUMPTP5S1	INORG	Manganese	7439-96-5	1,530		1.44		1,127	403	450	EcoSSL Inverts	3	0.9	yes
DUMP	DUMPTP5S1	INORG	Mercury	7439-97-6	0.0744	J	0.0146		0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
DUMP	DUMPTP5S1	INORG	Thallium	7440-28-0	2.41	J	1.87		4.1	<BKG	4.1	Background	0.6	<BKG	yes
DUMP	DUMPTP5S1	INORG	Titanium	7440-32-6	1,030		9.79		2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
DUMP	DUMPTP5S1	INORG	Zinc	7440-66-6	77.3		0.85		89.55	<BKG	120	EcoSSL Inverts	0.6	<BKG	yes
PSO	PSOB1S1	INORG	Barium	7440-39-3	148		0.0449	5.8025	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
PSO	PSOB1S1	INORG	Boron	7440-42-8	3.72	J	0.998	5.8025	8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
PSO	PSOB1S1	INORG	Copper	7440-50-8	14.6		0.224	5.8025	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
PSO	PSOB1S1	INORG	Manganese	7439-96-5	347		0.0628	5.8025	1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
PSO	PSOB1S1	INORG	Mercury	7439-97-6	0.0148	J	0.0127	5.8025	0.09	<BKG	0.1	ORNL Inverts	0.1	<BKG	yes
PSO	PSOB1S1	INORG	Thallium	7440-28-0	2.46	J	1.63	5.8025	4.1	<BKG	4.1	Background	0.6	<BKG	yes
PSO	PSOB1S1	INORG	Titanium	7440-32-6	1,420		8.52	5.8025	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
PSO	PSOB1S1	INORG	Zinc	7440-66-6	60.9		0.74	5.8025	89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
TA	TAS1S1	INORG	Barium	7440-39-3	110	J	0.0467	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS1S1	INORG	Copper	7440-50-8	12.2		0.234	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS1S1	INORG	Manganese	7439-96-5	288	J	0.327	5.3625	1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
TA	TAS1S1	INORG	Mercury	7439-97-6	0.0167	J	0.0134	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS1S1	INORG	Perchlorate	14797-73-0	0.0028	J	0.0025	5.3625	--	no bkg	1	NCEA	0.003	0.003	yes
TA	TAS1S1	INORG	Titanium	7440-32-6	1,090		4.44	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS1S1	INORG	Zinc	7440-66-6	34.7		0.771	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS1S1DUP	INORG	Barium	7440-39-3	127	J	0.235	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TA	TAS1S1DUP	INORG	Copper	7440-50-8	13.2		0.235	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS1S1DUP	INORG	Manganese	7439-96-5	333	J	0.329	5.3625	1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
TA	TAS1S1DUP	INORG	Mercury	7439-97-6	0.0164	J	0.0136	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS1S1DUP	INORG	Titanium	7440-32-6	1,170		4.47	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS1S1DUP	INORG	Zinc	7440-66-6	40		0.776	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS2S1	INORG	Barium	7440-39-3	149	J	0.248	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.5	<BKG	yes
TA	TAS2S1	INORG	Copper	7440-50-8	20.2		0.248	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS2S1	INORG	Manganese	7439-96-5	598	J	1.39	5.3625	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TA	TAS2S1	INORG	Mercury	7439-97-6	0.0239	J	0.0141	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS2S1	INORG	Thallium	7440-28-0	2.89	J	1.8	5.3625	4.1	<BKG	4.1	Background	0.7	<BKG	yes
TA	TAS2S1	INORG	Titanium	7440-32-6	1,080		9.42	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS2S1	INORG	Zinc	7440-66-6	32.7		0.818	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS3S1	INORG	Barium	7440-39-3	102	J	0.482	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS3S1	INORG	Copper	7440-50-8	23.3		2.41	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS3S1	INORG	Manganese	7439-96-5	388	J	0.675	5.3625	1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
TA	TAS3S1	INORG	Mercury	7439-97-6	0.0211	J	0.0138	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS3S1	INORG	Titanium	7440-32-6	844		4.58	5.3625	2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
TA	TAS3S1	INORG	Zinc	7440-66-6	27.3		7.96	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS4S1	INORG	Barium	7440-39-3	185		0.242	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
TA	TAS4S1	INORG	Boron	7440-42-8	4.52	J	1.07	5.3625	8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
TA	TAS4S1	INORG	Copper	7440-50-8	32.8		0.242	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
TA	TAS4S1	INORG	Manganese	7439-96-5	966	J-	0.676	5.3625	1,127	<BKG	450	EcoSSL Inverts	2	<BKG	yes
TA	TAS4S1	INORG	Mercury	7439-97-6	0.023	J	0.0137	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS4S1	INORG	Titanium	7440-32-6	1,100		4.59	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS4S1	INORG	Zinc	7440-66-6	35.6		0.797	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS5S1	INORG	Barium	7440-39-3	116	J	0.0486	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
TA	TAS5S1	INORG	Copper	7440-50-8	19.1		0.243	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS5S1	INORG	Manganese	7439-96-5	459	J	0.34	5.3625	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TA	TAS5S1	INORG	Mercury	7439-97-6	0.0227	J	0.0139	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS5S1	INORG	Thallium	7440-28-0	2.55	J	1.76	5.3625	4.1	<BKG	4.1	Background	0.6	<BKG	yes
TA	TAS5S1	INORG	Titanium	7440-32-6	994		4.62	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS5S1	INORG	Zinc	7440-66-6	26.9		0.802	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS6S1	INORG	Barium	7440-39-3	85.1	J	0.0479	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS6S1	INORG	Copper	7440-50-8	18.5		0.24	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS6S1	INORG	Manganese	7439-96-5	397	J	0.336	5.3625	1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
TA	TAS6S1	INORG	Mercury	7439-97-6	0.0209	J	0.0135	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS6S1	INORG	Thallium	7440-28-0	2.47	J	1.74	5.3625	4.1	<BKG	4.1	Background	0.6	<BKG	yes
TA	TAS6S1	INORG	Titanium	7440-32-6	869		4.55	5.3625	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TA	TAS6S1	INORG	Zinc	7440-66-6	19.5		0.791	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS7S1	INORG	Barium	7440-39-3	125		0.0504	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TA	TAS7S1	INORG	Boron	7440-42-8	4.1	J	1.12	5.3625	8.22	<BKG	20	ORNL Inverts	0.2	<BKG	yes
TA	TAS7S1	INORG	Copper	7440-50-8	20.7		0.252	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
TA	TAS7S1	INORG	Manganese	7439-96-5	625	J-	0.353	5.3625	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TA	TAS7S1	INORG	Mercury	7439-97-6	0.025	J	0.0144	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
TA	TAS7S1	INORG	Titanium	7440-32-6	791		4.79	5.3625	2,309	<BKG	1,000	ORNL Inverts	0.8	<BKG	yes
TA	TAS7S1	INORG	Zinc	7440-66-6	27.5		0.831	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TA	TAS8S1	INORG	Barium	7440-39-3	141		0.231	5.3625	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TA	TAS8S1	INORG	Boron	7440-42-8	1.76	J	1.03	5.3625	8.22	<BKG	20	ORNL Inverts	0.09	<BKG	yes
TA	TAS8S1	INORG	Copper	7440-50-8	29.6		0.231	5.3625	52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
TA	TAS8S1	INORG	Manganese	7439-96-5	363	J-	0.324	5.3625	1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
TA	TAS8S1	INORG	Mercury	7439-97-6	0.0207	J	0.0131	5.3625	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TA	TAS8S1	INORG	Titanium	7440-32-6	1,120		8.78	5.3625	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TA	TAS8S1	INORG	Zinc	7440-66-6	32.2		0.763	5.3625	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA1	TRA1S1S1	INORG	Barium	7440-39-3	69.4	J	0.0492	5.3875	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S1S1	INORG	Boron	7440-42-8	11.1		1.09	5.3875	8.22	2.88	20	ORNL Inverts	0.6	0.1	yes
TRA1	TRA1S1S1	INORG	Copper	7440-50-8	41.7	J	0.246	5.3875	52.77	<BKG	80	EcoSSL Inverts	0.5	<BKG	yes
TRA1	TRA1S1S1	INORG	Manganese	7439-96-5	444	J	0.0689	5.3875	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA1	TRA1S1S1	INORG	Mercury	7439-97-6	0.0389	J	0.0143	5.3875	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA1	TRA1S1S1	INORG	Titanium	7440-32-6	928	J	4.67	5.3875	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TRA1	TRA1S1S1	INORG	Zinc	7440-66-6	33.3	J	0.812	5.3875	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA1	TRA1S2S1	INORG	Barium	7440-39-3	44.9	J	0.0509	5.3875	235.76	<BKG	330	EcoSSL Inverts	0.1	<BKG	yes
TRA1	TRA1S2S1	INORG	Boron	7440-42-8	22.4	J	5.67	5.3875	8.22	14.18	20	ORNL Inverts	1	0.7	yes
TRA1	TRA1S2S1	INORG	Copper	7440-50-8	32	J	0.255	5.3875	52.77	<BKG	80	EcoSSL Inverts	0.4	<BKG	yes
TRA1	TRA1S2S1	INORG	Manganese	7439-96-5	160	J	0.0713	5.3875	1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
TRA1	TRA1S2S1	INORG	Mercury	7439-97-6	0.0367	J	0.0149	5.3875	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA1	TRA1S2S1	INORG	Titanium	7440-32-6	968	J	4.84	5.3875	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA1	TRA1S2S1	INORG	Zinc	7440-66-6	33.8	J	0.84	5.3875	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA1	TRA1S3S1	INORG	Barium	7440-39-3	77.1	J	0.0546	5.3875	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S3S1	INORG	Boron	7440-42-8	9.62		1.21	5.3875	8.22	1.4	20	ORNL Inverts	0.5	0.07	yes
TRA1	TRA1S3S1	INORG	Copper	7440-50-8	18.2	J	0.273	5.3875	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S3S1	INORG	Manganese	7439-96-5	173	J	0.0764	5.3875	1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
TRA1	TRA1S3S1	INORG	Mercury	7439-97-6	0.0214	J	0.0157	5.3875	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA1	TRA1S3S1	INORG	Titanium	7440-32-6	1,180	J	5.18	5.3875	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA1	TRA1S3S1	INORG	Zinc	7440-66-6	33.3	J	0.9	5.3875	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Barium	7440-39-3	71.4	J	0.0498	5.3875	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Boron	7440-42-8	7.2		1.11	5.3875	8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Copper	7440-50-8	15.7	J	0.249	5.3875	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Manganese	7439-96-5	184	J	0.0697	5.3875	1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
TRA1	TRA1S3S1DUP	INORG	Mercury	7439-97-6	0.0313	J	0.0138	5.3875	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Titanium	7440-32-6	1,070	J	4.73	5.3875	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA1	TRA1S3S1DUP	INORG	Zinc	7440-66-6	29.3	J	0.821	5.3875	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Barium	7440-39-3	83.2	J	0.0513	5.3875	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Boron	7440-42-8	7		1.14	5.3875	8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Copper	7440-50-8	17.3	J	0.256	5.3875	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Manganese	7439-96-5	264	J	0.0718	5.3875	1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Mercury	7439-97-6	0.0365	J	0.0147	5.3875	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Titanium	7440-32-6	891	J	4.87	5.3875	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TRA1	TRA1S4S1 Unspiked	INORG	Zinc	7440-66-6	28.9	J	0.846	5.3875	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TRA2	TRA2S1S1	INORG	Barium	7440-39-3	114		0.0526	5.55	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S1S1	INORG	Copper	7440-50-8	25.9		0.263	5.55	52.77	<BKG	80	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S1S1	INORG	Manganese	7439-96-5	600		0.0736	5.55	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA2	TRA2S1S1	INORG	Mercury	7439-97-6	0.0393	J	0.0152	5.55	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA2	TRA2S1S1	INORG	Titanium	7440-32-6	1,070		0.499	5.55	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA2	TRA2S1S1	INORG	Zinc	7440-66-6	47.4		0.867	5.55	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
TRA2	TRA2S2S1	INORG	Barium	7440-39-3	241		0.29	5.55	235.76	5.24	330	EcoSSL Inverts	0.7	0.02	yes
TRA2	TRA2S2S1	INORG	Copper	7440-50-8	17.9		0.29	5.55	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA2	TRA2S2S1	INORG	Manganese	7439-96-5	2,440		1.62	5.55	1,127	1,313	450	EcoSSL Inverts	5	3	yes
TRA2	TRA2S2S1	INORG	Mercury	7439-97-6	0.0203	J	0.0165	5.55	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA2	TRA2S2S1	INORG	Titanium	7440-32-6	1,000		0.551	5.55	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA2	TRA2S2S1	INORG	Zinc	7440-66-6	46.9		0.956	5.55	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
TRA2	TRA2S3S1	INORG	Barium	7440-39-3	115		0.0503	5.55	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S3S1	INORG	Copper	7440-50-8	11.3		0.252	5.55	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA2	TRA2S3S1	INORG	Manganese	7439-96-5	341		0.0705	5.55	1,127	<BKG	450	EcoSSL Inverts	0.8	<BKG	yes
TRA2	TRA2S3S1	INORG	Mercury	7439-97-6	0.0212	J	0.0142	5.55	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA2	TRA2S3S1	INORG	Titanium	7440-32-6	857		0.478	5.55	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TRA2	TRA2S3S1	INORG	Zinc	7440-66-6	37.2		0.83	5.55	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S4S1	INORG	Barium	7440-39-3	97.3		0.0479	5.55	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S4S1	INORG	Copper	7440-50-8	5.43		0.24	5.55	52.77	<BKG	80	EcoSSL Inverts	0.07	<BKG	yes
TRA2	TRA2S4S1	INORG	Manganese	7439-96-5	389		0.0671	5.55	1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
TRA2	TRA2S4S1	INORG	Mercury	7439-97-6	0.0158	J	0.0136	5.55	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA2	TRA2S4S1	INORG	Titanium	7440-32-6	406		0.455	5.55	2,309	<BKG	1,000	ORNL Inverts	0.4	<BKG	yes
TRA2	TRA2S4S1	INORG	Zinc	7440-66-6	25.8		0.791	5.55	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Barium	7440-39-3	120		0.0551	5.55	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TRA2	TRA2S5S1	INORG	Copper	7440-50-8	17.4		0.275	5.55	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Manganese	7439-96-5	216		0.0771	5.55	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
TRA2	TRA2S5S1	INORG	Mercury	7439-97-6	0.0189	J	0.0159	5.55	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA2	TRA2S5S1	INORG	Titanium	7440-32-6	869		0.523	5.55	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TRA2	TRA2S5S1	INORG	Zinc	7440-66-6	41.8		0.909	5.55	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S6S1	INORG	Barium	7440-39-3	91.4		0.0554	5.55	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA2	TRA2S6S1	INORG	Copper	7440-50-8	15.8		0.277	5.55	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA2	TRA2S6S1	INORG	Manganese	7439-96-5	423		0.0776	5.55	1,127	<BKG	450	EcoSSL Inverts	0.9	<BKG	yes
TRA2	TRA2S6S1	INORG	Mercury	7439-97-6	0.0386	J	0.0154	5.55	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA2	TRA2S6S1	INORG	Titanium	7440-32-6	875		0.526	5.55	2,309	<BKG	1,000	ORNL Inverts	0.9	<BKG	yes
TRA2	TRA2S6S1	INORG	Zinc	7440-66-6	42.4		0.914	5.55	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
TRA2	TRA2S6S1	SVOC	Benzoic acid	65-85-0	0.25	J	0.23	5.55	--	no bkg	NA	Soil EqP	--	--	--
TRA3	TRA3S10S1	INORG	Barium	7440-39-3	112		0.0455	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S10S1	INORG	Boron	7440-42-8	5.74		1.01	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S10S1	INORG	Copper	7440-50-8	10.2		0.227	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S10S1	INORG	Manganese	7439-96-5	244		0.0636	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
TRA3	TRA3S10S1	INORG	Mercury	7439-97-6	0.0161	J	0.013	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
TRA3	TRA3S10S1	INORG	Titanium	7440-32-6	1,680		8.64	5.6175	2,309	<BKG	1,000	ORNL Inverts	2	<BKG	yes
TRA3	TRA3S10S1	INORG	Zinc	7440-66-6	45.9		0.75	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes
TRA3	TRA3S10S1	SVOC	Benzoic acid	65-85-0	0.39	J	0.2	5.6175	--	no bkg	NA	Soil EqP	--	--	--
TRA3	TRA3S1S1	INORG	Barium	7440-39-3	103		0.0499	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S1S1	INORG	Boron	7440-42-8	7.3		1.11	5.6175	8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
TRA3	TRA3S1S1	INORG	Copper	7440-50-8	10.5		0.25	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S1S1	INORG	Manganese	7439-96-5	289		0.0699	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.6	<BKG	yes
TRA3	TRA3S1S1	INORG	Titanium	7440-32-6	1,340		9.49	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S1S1	INORG	Zinc	7440-66-6	38.8		0.824	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S2S1	INORG	Barium	7440-39-3	115		0.0484	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S2S1	INORG	Boron	7440-42-8	6.89		1.08	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S2S1	INORG	Copper	7440-50-8	11.6		0.242	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S2S1	INORG	Manganese	7439-96-5	439		0.0677	5.6175	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA3	TRA3S2S1	INORG	Mercury	7439-97-6	0.0231	J	0.014	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA3	TRA3S2S1	INORG	Titanium	7440-32-6	1,420		9.19	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S2S1	INORG	Zinc	7440-66-6	41.7		0.798	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S3S1	INORG	Barium	7440-39-3	121		0.0513	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TRA3	TRA3S3S1	INORG	Boron	7440-42-8	8.38		1.14	5.6175	8.22	0.16	20	ORNL Inverts	0.4	0.008	yes
TRA3	TRA3S3S1	INORG	Copper	7440-50-8	11.1		0.257	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S3S1	INORG	Manganese	7439-96-5	485		0.0719	5.6175	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA3	TRA3S3S1	INORG	Mercury	7439-97-6	0.0305	J	0.015	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S3S1	INORG	Titanium	7440-32-6	1,070		4.88	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S3S1	INORG	Zinc	7440-66-6	37.8		0.847	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S4S1	INORG	Barium	7440-39-3	183		0.246	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.6	<BKG	yes
TRA3	TRA3S4S1	INORG	Boron	7440-42-8	6.69		1.09	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S4S1	INORG	Copper	7440-50-8	13.2		0.246	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA3	TRA3S4S1	INORG	Manganese	7439-96-5	487		0.0688	5.6175	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA3	TRA3S4S1	INORG	Mercury	7439-97-6	0.0728	J	0.0145	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.7	<BKG	yes
TRA3	TRA3S4S1	INORG	Titanium	7440-32-6	1,330		9.34	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S4S1	INORG	Zinc	7440-66-6	59.2		0.811	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.5	<BKG	yes
TRA3	TRA3S5S1	INORG	Barium	7440-39-3	90		0.0477	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S5S1	INORG	Boron	7440-42-8	5.87	J	1.06	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S5S1	INORG	Copper	7440-50-8	6.8		0.239	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.09	<BKG	yes
TRA3	TRA3S5S1	INORG	Manganese	7439-96-5	215		0.0668	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
TRA3	TRA3S5S1	INORG	Mercury	7439-97-6	0.0203	J	0.0138	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.2	<BKG	yes
TRA3	TRA3S5S1	INORG	Titanium	7440-32-6	1,400		9.06	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S5S1	INORG	Zinc	7440-66-6	34.6		0.787	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S6S1	INORG	Barium	7440-39-3	101		0.048	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S6S1	INORG	Boron	7440-42-8	7.47		1.07	5.6175	8.22	<BKG	20	ORNL Inverts	0.4	<BKG	yes
TRA3	TRA3S6S1	INORG	Copper	7440-50-8	11.2		0.24	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S6S1	INORG	Manganese	7439-96-5	293		0.0672	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.7	<BKG	yes
TRA3	TRA3S6S1	INORG	Mercury	7439-97-6	0.0412	J	0.0141	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA3	TRA3S6S1	INORG	Titanium	7440-32-6	1,350		9.12	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S6S1	INORG	Zinc	7440-66-6	35.4		0.792	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S7S1	INORG	Barium	7440-39-3	78.1		0.0484	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.2	<BKG	yes
TRA3	TRA3S7S1	INORG	Boron	7440-42-8	6.89		1.08	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S7S1	INORG	Copper	7440-50-8	8.63		0.242	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S7S1	INORG	Manganese	7439-96-5	233		0.0678	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.5	<BKG	yes
TRA3	TRA3S7S1	INORG	Mercury	7439-97-6	0.0372	J	0.0134	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA3	TRA3S7S1	INORG	Titanium	7440-32-6	1,010		4.6	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S7S1	INORG	Zinc	7440-66-6	26.6		0.799	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.2	<BKG	yes
TRA3	TRA3S8S1	INORG	Barium	7440-39-3	111		0.0482	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.3	<BKG	yes

M5-2B: Location-Specific Soil HQs for Invertebrates (All Detected Results)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Result mg/kg	Flag	SQL	pH for Aluminum	BKG 2x Mean	Result-BKG	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ	BERA Invert HQ -BKG (a)	Criterion> BERA Invert SQL
TRA3	TRA3S8S1	INORG	Boron	7440-42-8	6.76		1.07	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S8S1	INORG	Copper	7440-50-8	11		0.241	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.1	<BKG	yes
TRA3	TRA3S8S1	INORG	Manganese	7439-96-5	437		0.0674	5.6175	1,127	<BKG	450	EcoSSL Inverts	1	<BKG	yes
TRA3	TRA3S8S1	INORG	Mercury	7439-97-6	0.0422	J	0.0134	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.4	<BKG	yes
TRA3	TRA3S8S1	INORG	Perchlorate	14797-73-0	0.024		0.0027	5.6175	--	no bkg	1	NCEA	0.02	0.02	yes
TRA3	TRA3S8S1	INORG	Titanium	7440-32-6	1,200		9.15	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S8S1	INORG	Zinc	7440-66-6	36.4		0.795	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.3	<BKG	yes
TRA3	TRA3S9S1	INORG	Barium	7440-39-3	121		0.0547	5.6175	235.76	<BKG	330	EcoSSL Inverts	0.4	<BKG	yes
TRA3	TRA3S9S1	INORG	Boron	7440-42-8	6.4	J	1.22	5.6175	8.22	<BKG	20	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S9S1	INORG	Copper	7440-50-8	14.3		0.274	5.6175	52.77	<BKG	80	EcoSSL Inverts	0.2	<BKG	yes
TRA3	TRA3S9S1	INORG	Manganese	7439-96-5	159		0.0766	5.6175	1,127	<BKG	450	EcoSSL Inverts	0.4	<BKG	yes
TRA3	TRA3S9S1	INORG	Mercury	7439-97-6	0.0261	J	0.015	5.6175	0.09	<BKG	0.1	ORNL Inverts	0.3	<BKG	yes
TRA3	TRA3S9S1	INORG	Titanium	7440-32-6	1,370		10.4	5.6175	2,309	<BKG	1,000	ORNL Inverts	1	<BKG	yes
TRA3	TRA3S9S1	INORG	Zinc	7440-66-6	45.9		0.903	5.6175	89.55	<BKG	120	EcoSSL Inverts	0.4	<BKG	yes

--	No value.
<BKG	Less than background.
avg	Average.
Background	Background used as screening value.
BERA	Baseline ecological risk assessment.
BKG	Background
COPECs	Chemicals of potential ecological concern.
EcoSSL Inverts	Ecological Soil Screening Levels for invertebrates, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509.
HQ	Hazard quotient
J	Estimated value.
J-	Estimated value low (results are likely reported lower than the true value).
J+	Estimated value high (results are likely reported higher than the true value).
mg/kg	Milligram per kilogram.
NCEA	USEPA. 2002. Perchlorate Environmental Contamination. http://www.epa.gov/ncea/pdfs/perchlorate/final_rpt.pdf
ORNL Inverts	ORNL. Efroymsson. 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on soil and litter invertebrates and heterotrophic processes. http://rais.ornl.gov/documents/tm126r21.pdf
Region 5	USEPA. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels Last accessed March 5, 2009. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
Soil EqP	Constituent addressed through equilibrium partitioning.
SQL	Sample quantitation level

0.1	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.
40	HQ is between 11 and 100.
200	HQ > 100.

(a) If and only if there is a background value.

M5-3A Summary of Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

			B105139B7	B105139B7	B105139B8	B105139B8	B107B3	B107B6	B109137B3	B109137B3	B109137BS1A	B109137BS1A	B109137SS1A	B109137SS1A	B113B6	B119120B1	B119120B1	B119120B3	B119120B3	B119120B4	B119120B4	B125136B2	DA23B2	DA23B2
CASRN	Group	Chemical	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	TLM TUs	Narc TUs
206-44-0	SVOC	Fluoranthene	1.0E+00	7.6E-01	1.8E+00	1.3E+00	1.9E-01	--	3.3E-01	2.4E-01	8.5E-02	6.3E-02	2.3E-02	1.7E-02	1.2E-02	8.5E-01	6.3E-01	5.7E-01	4.2E-01	5.7E-01	4.2E-01	1.7E-01	3.0E-01	2.2E-01
90-12-0	SVOC	1-Methylnaphthalene	--	--	--	--	8.5E-03	--	4.7E-03	1.7E-03	3.6E+00	1.3E+00	4.8E+00	1.7E+00	--	2.7E-02	9.6E-03	1.5E-02	5.4E-03	1.0E-02	3.8E-03	1.8E-02	1.6E-02	5.8E-03
91-57-6	SVOC	2-Methyl naphthalene	--	--	--	--	1.3E-02	--	6.3E-03	2.4E-03	5.8E+00	2.2E+00	8.0E+00	3.1E+00	--	3.6E-02	1.4E-02	1.8E-02	7.1E-03	1.2E-02	4.4E-03	3.3E-02	2.4E-02	9.3E-03
85-01-8	SVOC	Phenanthrene	7.3E-01	7.3E-01	1.5E+00	1.5E+00	2.4E-01	--	2.3E-01	2.3E-01	8.2E-01	8.2E-01	1.0E+00	1.0E+00	1.3E-02	7.8E-01	7.8E-01	4.7E-01	4.7E-01	4.3E-01	4.3E-01	2.1E-01	3.1E-01	3.1E-01
129-00-0	SVOC	Pyrene	9.2E-01	4.9E-01	1.7E+00	9.0E-01	2.1E-01	--	2.4E-01	1.3E-01	6.4E-02	3.4E-02	3.5E-02	1.9E-02	1.3E-02	7.1E-01	3.7E-01	4.6E-01	2.4E-01	4.6E-01	2.4E-01	1.4E-01	2.1E-01	1.1E-01
100-41-4	VOC	Ethylbenzene	--	--	--	--	--	2.2E+00	--	--	2.8E-02	3.5E-03	1.6E-01	2.0E-02	--	--	--	--	--	--	--	--	--	--
91-20-3	VOC	Naphthalene	--	--	--	--	--	--	--	--	2.6E-01	9.8E-02	1.0E+00	3.9E-01	--	--	--	--	--	--	--	--	--	--
100-42-5	VOC	Styrene	--	--	--	--	--	1.2E+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95-63-6	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	5.0E-01	--	1.9E+00	--	--	--	--	--	--	--	--	--	--	--
108-67-8	VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	2.6E-01	--	1.3E+00	--	--	--	--	--	--	--	--	--	--	--
1330-20-7	VOC	Xylenes (total)	--	--	--	--	--	--	--	--	2.7E-01	--	1.3E+00	--	--	--	--	--	--	--	--	--	--	--
		Sum of Pesticide TUs	0	0	0	0	0	1.9E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sum of SVOC TUs	5.5E+00	4.0E+00	9.9E+00	7.3E+00	1.4E+00	8.2E-03	1.8E+00	1.3E+00	1.1E+01	4.7E+00	1.4E+01	6.0E+00	1.0E+00	4.7E+00	3.4E+00	3.1E+00	2.2E+00	3.0E+00	2.1E+00	1.2E+00	1.6E+00	1.2E+00
		Sum of VOC TUs	1.8E-02	4.7E-04	3.0E-03	0	0	3.5E+00	1.1E-03	4.9E-05	1.5E+00	1.0E-01	7.5E+00	4.1E-01	7.8E-02	0	0	1.3E-03	0	6.2E-03	4.9E-05	0	1.9E-03	0
		Sum of total TUs	5.5E+00	4.0E+00	9.9E+00	7.3E+00	1.4E+00	3.5E+00	1.8E+00	1.3E+00	1.2E+01	4.8E+00	2.2E+01	6.4E+00	1.1E+00	4.7E+00	3.4E+00	3.1E+00	2.2E+00	3.0E+00	2.1E+00	1.2E+00	1.6E+00	1.2E+00

ND	Not detected
SVOCs	Semivolatile organic compounds
TU	Toxic units
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-3B: Summary of Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

			B105139B4	B105139B4	B105139B5	B105139B5	B105139B7	B105139B7	B105139B8	B105139B8	B107B3	B107B3	B107B6	B109137B3	B109137B3	B109137BS1A	B109137BS1A
CASRN	Group	Chemical	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs
56-55-3	SVOC	Benzo(a)anthracene	1.0E-01	7.8E-02	1.1E-01	8.6E-02	6.9E-01	5.2E-01	1.2E+00	9.3E-01	1.5E-01	1.1E-01	--	2.2E-01	1.6E-01	3.8E-02	2.9E-02
205-99-2	SVOC	Benzo(b)fluoranthene	1.3E-01	1.2E-01	1.4E-01	1.3E-01	7.1E-01	6.7E-01	1.2E+00	1.1E+00	1.4E-01	1.3E-01	--	2.2E-01	2.1E-01	6.7E-02	6.3E-02
218-01-9	SVOC	Chrysene	1.0E-01	8.5E-02	1.1E-01	9.0E-02	5.9E-01	4.9E-01	1.1E+00	9.4E-01	1.5E-01	1.3E-01	--	2.3E-01	1.9E-01	5.9E-02	4.9E-02
206-44-0	SVOC	Fluoranthene	2.5E-01	1.9E-01	2.5E-01	1.9E-01	1.7E+00	1.3E+00	3.0E+00	2.2E+00	3.2E-01	2.4E-01	--	5.4E-01	4.0E-01	1.4E-01	1.0E-01
90-12-0	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	1.4E-02	5.1E-03	--	7.9E-03	2.8E-03	6.0E+00	2.1E+00
91-57-6	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	2.1E-02	8.1E-03	--	1.1E-02	4.1E-03	9.6E+00	3.7E+00
85-01-8	SVOC	Phenanthrene	1.7E-01	1.7E-01	1.5E-01	1.5E-01	1.2E+00	1.2E+00	2.4E+00	2.4E+00	4.0E-01	4.0E-01	--	3.9E-01	3.9E-01	1.4E+00	1.4E+00
129-00-0	SVOC	Pyrene	2.4E-01	1.3E-01	2.5E-01	1.3E-01	1.5E+00	8.1E-01	2.8E+00	1.5E+00	3.5E-01	1.8E-01	--	4.0E-01	2.1E-01	1.1E-01	5.6E-02
100-41-4	VOC	Ethylbenzene	--	--	--	--	--	--	--	--	--	--	3.6E+00	--	--	4.7E-02	5.8E-03
91-20-3	VOC	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3E-01	1.6E-01
100-42-5	VOC	Styrene	--	--	--	--	--	--	--	--	--	--	2.0E+00	--	--	--	--
95-63-6	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	8.3E-01	--
108-67-8	VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3E-01	--
1330-20-7	VOC	Xylenes (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5E-01	--
		Sum of Pesticide TUs	0	0	0	0	0	0	0	0	0	0	3.2E-04	0	0	0	0
		Sum of SVOC TUs	1.3E+00	1.0E+00	1.5E+00	1.1E+00	9.2E+00	6.7E+00	1.7E+01	1.2E+01	2.3E+00	1.6E+00	1.4E-02	3.1E+00	2.1E+00	1.8E+01	7.8E+00
		Sum of VOC TUs	0	0	5.8E-03	0	2.5E-02	7.7E-04	3.1E-03	0	0	0	5.8E+00	1.5E-03	8.1E-05	2.5E+00	1.7E-01
		Sum of total TUs	1.3E+00	1.0E+00	1.5E+00	1.1E+00	9.2E+00	6.7E+00	1.7E+01	1.2E+01	2.3E+00	1.6E+00	5.8E+00	3.1E+00	2.1E+00	2.1E+01	8.0E+00

ND	Not detected
SVOCs	Semivolatile organic compounds
TU	Toxic units
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-3B: Summary of Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

		B109137SS1A	B109137SS1A	B110111112B6	B110111112B6	B113B6	B119120B1	B119120B1	B119120B3	B119120B3	B119120B4	B119120B4	B125136B2	B125136B2	DA23B2	DA23B2
Group	Chemical	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs
SVOC	Benzo(a)anthracene	--	--	8.3E-02	6.3E-02	1.1E-02	4.9E-01	3.7E-01	3.4E-01	2.6E-01	3.4E-01	2.6E-01	1.2E-01	9.3E-02	1.6E-01	1.2E-01
SVOC	Benzo(b)fluoranthene	--	--	7.1E-02	6.7E-02	1.1E-02	4.6E-01	4.4E-01	3.1E-01	2.9E-01	3.7E-01	3.4E-01	8.4E-02	7.9E-02	1.3E-01	1.2E-01
SVOC	Chrysene	--	--	7.8E-02	6.5E-02	1.4E-02	4.8E-01	3.9E-01	3.1E-01	2.6E-01	3.2E-01	2.7E-01	1.3E-01	1.1E-01	1.8E-01	1.5E-01
SVOC	Fluoranthene	3.9E-02	2.9E-02	2.3E-01	1.7E-01	2.1E-02	1.4E+00	1.0E+00	9.4E-01	6.9E-01	9.4E-01	6.9E-01	2.8E-01	2.1E-01	4.9E-01	3.6E-01
SVOC	1-Methylnaphthalene	8.1E+00	2.9E+00	1.4E-02	5.1E-03	--	4.4E-02	1.6E-02	2.5E-02	9.0E-03	1.7E-02	6.3E-03	3.1E-02	1.1E-02	2.7E-02	9.7E-03
SVOC	2-Methyl naphthalene	1.3E+01	5.1E+00	2.3E-02	8.9E-03	--	6.0E-02	2.3E-02	3.1E-02	1.2E-02	1.9E-02	7.4E-03	5.6E-02	2.1E-02	4.0E-02	1.6E-02
SVOC	Phenanthrene	1.7E+00	1.7E+00	3.2E-01	3.2E-01	2.2E-02	1.3E+00	1.3E+00	7.9E-01	7.9E-01	7.2E-01	7.2E-01	3.4E-01	3.5E-01	5.1E-01	5.1E-01
SVOC	Pyrene	5.9E-02	3.1E-02	1.9E-01	1.0E-01	2.1E-02	1.2E+00	6.2E-01	7.7E-01	4.1E-01	7.7E-01	4.1E-01	2.3E-01	1.2E-01	3.5E-01	1.8E-01
VOC	Ethylbenzene	2.7E-01	3.4E-02	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Naphthalene	1.7E+00	6.5E-01	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	1,2,4-Trimethylbenzene	3.2E+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	1,3,5-Trimethylbenzene	2.2E+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Xylenes (total)	2.1E+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sum of Pesticide TUs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of SVOC TUs	2.4E+01	9.9E+00	1.5E+00	1.1E+00	1.7E+00	7.9E+00	5.6E+00	5.1E+00	3.6E+00	5.0E+00	3.6E+00	2.0E+00	1.4E+00	2.7E+00	1.9E+00
	Sum of VOC TUs	1.2E+01	6.9E-01	1.1E-03	8.1E-05	1.2E-01	0	0	1.9E-03	0	8.3E-03	8.1E-05	0	0	2.7E-03	0
	Sum of total TUs	3.7E+01	1.1E+01	1.5E+00	1.1E+00	1.8E+00	7.9E+00	5.6E+00	5.1E+00	3.6E+00	5.0E+00	3.6E+00	2.0E+00	1.4E+00	2.7E+00	1.9E+00

Not detected
Semivolatile organic compounds
Toxic units
Volatile organic compounds
TUs are between 0 and 1.
TUs are between 1 and 10.
TUs are between 10 and 100.

M5-3C: Summary of Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

			APDA789B2	APDA789B3	B104145B6	B105139B4	B105139B4	B105139B5	B105139B5	B105139B6	B105139B6	B105139B7	B105139B7	B105139B8
CASRN	Group	Chemical	TLM TUs	TLM TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs
309-00-2	PEST	Aldrin	1.0E+00	--	--	--	--	--	--	--	--	--	--	--
120-12-7	SVOC	Anthracene	--	--	--	1.3E-01	9.9E-02	1.2E-01	9.2E-02	--	--	9.8E-01	7.5E-01	2.6E+00
56-55-3	SVOC	Benzo(a)anthracene	--	--	--	3.1E-01	2.4E-01	3.4E-01	2.6E-01	1.3E-01	1.0E-01	2.1E+00	1.6E+00	3.7E+00
50-32-8	SVOC	Benzo(a)pyrene	--	--	--	3.3E-01	2.7E-01	3.4E-01	2.8E-01	1.1E-01	9.2E-02	1.8E+00	1.4E+00	2.8E+00
205-99-2	SVOC	Benzo(b)fluoranthene	--	--	--	3.8E-01	3.6E-01	4.3E-01	4.0E-01	1.6E-01	1.5E-01	2.1E+00	2.0E+00	3.7E+00
191-24-2	SVOC	Benzo(g,h,i)perylene	--	--	--	1.7E-01	3.0E-02	2.1E-01	3.6E-02	6.5E-02	1.1E-02	9.0E-01	1.5E-01	1.4E+00
207-08-9	SVOC	Benzo(k)fluoranthene	--	--	--	1.8E-01	1.8E-01	1.8E-01	1.8E-01	5.4E-02	5.4E-02	9.6E-01	9.5E-01	1.5E+00
92-52-4	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	SVOC	Carbazole	--	--	--	--	--	2.8E-01	--	--	--	1.2E+00	--	1.0E+00
59-50-7	SVOC	4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
89-98-5	SVOC	ortho-Chlorobenzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	SVOC	Chrysene	--	--	--	3.1E-01	2.6E-01	3.2E-01	2.7E-01	1.3E-01	1.1E-01	1.8E+00	1.5E+00	3.4E+00
132-64-9	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	3.6E-01	2.2E-02	7.8E-01
206-44-0	SVOC	Fluoranthene	--	--	--	7.6E-01	5.6E-01	7.6E-01	5.6E-01	3.7E-01	2.7E-01	5.1E+00	3.8E+00	9.0E+00
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	1.9E-01	1.8E-01	2.0E-01	1.9E-01	6.2E-02	6.0E-02	9.1E-01	8.8E-01	1.4E+00
90-12-0	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	SVOC	Phenanthrene	--	--	--	4.9E-01	5.0E-01	4.5E-01	4.5E-01	2.8E-01	2.8E-01	3.7E+00	3.7E+00	7.3E+00
108-95-2	SVOC	Phenol	--	1.1E+00	1.7E+00	--	--	--	--	--	--	--	--	--
129-00-0	SVOC	Pyrene	--	--	--	7.3E-01	3.8E-01	7.4E-01	3.9E-01	3.2E-01	1.7E-01	4.6E+00	2.4E+00	8.5E+00
104-51-8	VOC	n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
135-98-8	VOC	sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	4.3E-02	--	--
100-41-4	VOC	Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
108-87-2	VOC	Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--
91-20-3	VOC	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--
103-65-1	VOC	n-Propyl benzene	--	--	--	--	--	--	--	--	--	--	--	--
100-42-5	VOC	Styrene	--	--	--	--	--	--	--	--	--	--	--	--
95-63-6	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
108-67-8	VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
1330-20-7	VOC	Xylenes (total)	--	--	--	--	--	--	--	--	--	--	--	--
		Sum of Pesticide TUs	1.0E+00	8.5E-05	5.9E-02	0	0	0	0	2.7E-03	1.0E-03	0	0	0
		Sum of SVOC TUs	0	1.1E+00	1.9E+00	4.0E+00	3.1E+00	4.4E+00	3.2E+00	1.7E+00	1.3E+00	2.8E+01	2.0E+01	5.0E+01
		Sum of VOC TUs	5.5E-04	0	0	0	0	6.3E-03	0	1.4E-03	0	5.8E-02	2.3E-03	3.3E-03
		Sum of total TUs	1.0E+00	1.1E+00	1.9E+00	4.0E+00	3.1E+00	4.4E+00	3.2E+00	1.7E+00	1.3E+00	2.8E+01	2.0E+01	5.0E+01

ND Not detected
SVOCs Semivolatile organic compounds
TU Toxic units
VOCs Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-3C: Summary of Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B105139B8	B107B3	B107B3	B107B6	B107B6	B109137B3	B109137B3	B109137BS1A	B109137BS1A	B109137SS1A	B109137SS1A	B110111112B6
Group	Chemical	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs
PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	Anthracene	1.9E+00	3.6E-01	2.8E-01	--	--	3.4E-01	2.6E-01	1.5E-01	1.2E-01	1.6E-01	1.2E-01	2.6E-01
SVOC	Benzo(a)anthracene	2.8E+00	4.4E-01	3.4E-01	--	--	6.5E-01	4.9E-01	1.1E-01	8.6E-02	--	--	2.5E-01
SVOC	Benzo(a)pyrene	2.3E+00	3.3E-01	2.7E-01	--	--	5.5E-01	4.4E-01	3.1E-02	2.5E-02	--	--	1.8E-01
SVOC	Benzo(b)fluoranthene	3.4E+00	4.3E-01	4.0E-01	--	--	6.6E-01	6.2E-01	2.0E-01	1.9E-01	--	--	2.1E-01
SVOC	Benzo(g,h,i)perylene	2.5E-01	1.5E-01	2.7E-02	--	--	3.1E-01	5.3E-02	8.0E-02	1.4E-02	--	--	8.7E-02
SVOC	Benzo(k)fluoranthene	1.5E+00	1.6E-01	1.6E-01	--	--	3.2E-01	3.1E-01	9.1E-02	9.0E-02	--	--	9.7E-02
SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	1.1E+00	1.1E-01	1.7E+00	1.6E-01	2.7E-02
SVOC	Carbazole	--	3.7E-01	--	--	--	7.0E-01	--	--	--	--	--	2.8E-01
SVOC	4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	Chrysene	2.8E+00	4.6E-01	3.8E-01	--	--	6.9E-01	5.7E-01	1.8E-01	1.5E-01	--	--	2.4E-01
SVOC	Dibenzofuran	4.8E-02	2.0E-01	1.2E-02	--	--	1.3E-01	8.0E-03	--	--	1.2E+00	7.4E-02	2.1E-01
SVOC	Fluoranthene	6.6E+00	9.7E-01	7.2E-01	--	--	1.6E+00	1.2E+00	4.2E-01	3.1E-01	1.2E-01	8.6E-02	6.9E-01
SVOC	Indeno(1,2,3-c,d)pyrene	1.4E+00	1.6E-01	1.6E-01	--	--	3.2E-01	3.1E-01	7.8E-02	7.5E-02	--	--	8.8E-02
SVOC	1-Methylnaphthalene	--	4.3E-02	1.5E-02	--	--	2.4E-02	8.5E-03	1.8E+01	6.4E+00	2.4E+01	8.7E+00	4.3E-02
SVOC	2-Methyl naphthalene	--	6.3E-02	2.4E-02	--	--	3.2E-02	1.2E-02	2.9E+01	1.1E+01	4.0E+01	1.5E+01	6.9E-02
SVOC	Phenanthrene	7.3E+00	1.2E+00	1.2E+00	--	--	1.2E+00	1.2E+00	4.1E+00	4.1E+00	5.2E+00	5.2E+00	9.5E-01
SVOC	Phenol	--	4.8E-02	--	--	--	--	--	--	--	--	--	--
SVOC	Pyrene	4.5E+00	1.0E+00	5.5E-01	--	--	1.2E+00	6.4E-01	3.2E-01	1.7E-01	1.8E-01	9.4E-02	5.8E-01
VOC	n-Butylbenzene	--	--	--	--	--	--	--	2.8E-01	--	1.6E+00	--	--
VOC	sec-Butylbenzene	--	--	--	--	--	--	--	1.8E-01	--	1.2E+00	--	--
VOC	p-Isopropyltoluene	--	--	--	--	--	1.8E-03	--	2.0E-01	--	1.7E+00	--	--
VOC	Ethylbenzene	--	--	--	1.1E+01	1.3E+00	--	--	1.4E-01	1.7E-02	8.1E-01	1.0E-01	--
VOC	Methylcyclohexane	--	--	--	--	--	--	--	--	--	1.6E+00	--	--
VOC	Naphthalene	--	--	--	--	--	--	--	1.3E+00	4.8E-01	5.1E+00	1.9E+00	--
VOC	n-Propyl benzene	--	--	--	--	--	--	--	2.4E-01	--	1.4E+00	--	--
VOC	Styrene	--	--	--	5.9E+00	--	--	--	--	--	--	--	--
VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	2.5E+00	--	9.6E+00	--	--
VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	1.3E+00	--	6.7E+00	--	--
VOC	Xylenes (total)	--	--	--	--	--	--	--	1.3E+00	--	6.2E+00	--	--

Sum of Pesticide TUs	0	0	0	9.6E-04	4.0E-04	0	0	0	0	0	0	0
Sum of SVOC TUs	3.7E+01	6.9E+00	4.9E+00	4.1E-02	5.2E-03	9.2E+00	6.4E+00	5.4E+01	2.3E+01	7.2E+01	3.0E+01	4.6E+00
Sum of VOC TUs	0	0	0	1.7E+01	1.4E+00	3.1E-03	2.4E-04	7.5E+00	5.0E-01	3.7E+01	2.1E+00	2.4E-03
Sum of total TUs	3.7E+01	6.9E+00	4.9E+00	1.7E+01	1.4E+00	9.2E+00	6.4E+00	6.2E+01	2.4E+01	1.1E+02	3.2E+01	4.6E+00

ND Not detected
SVOCs Semivolatile organic compounds
TU Toxic units
VOCs Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-3C: Summary of Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B110111112B6	B113B5	B113B6	B116128B3	B116128B3	B119120B1	B119120B1	B119120B3	B119120B3	B119120B4	B119120B4	B125136B2	B125136B2
Group	Chemical	Narc TUs	TLM TUs	TLM TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs	TLM TUs	Narc TUs
PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	Anthracene	1.9E-01	--	1.9E-02	5.3E-02	4.1E-02	1.1E+00	8.1E-01	6.2E-01	4.7E-01	6.0E-01	4.5E-01	3.4E-01	2.6E-01
SVOC	Benzo(a)anthracene	1.9E-01	6.9E-03	3.4E-02	1.1E-01	8.7E-02	1.5E+00	1.1E+00	1.0E+00	7.8E-01	1.0E+00	7.8E-01	3.7E-01	2.8E-01
SVOC	Benzo(a)pyrene	1.4E-01	6.5E-03	3.1E-02	8.8E-02	7.1E-02	1.1E+00	9.3E-01	8.3E-01	6.7E-01	8.3E-01	6.7E-01	2.0E-01	1.6E-01
SVOC	Benzo(b)fluoranthene	2.0E-01	5.9E-03	3.3E-02	1.2E-01	1.2E-01	1.4E+00	1.3E+00	9.2E-01	8.7E-01	1.1E+00	1.0E+00	2.5E-01	2.4E-01
SVOC	Benzo(g,h,i)perylene	1.5E-02	--	1.9E-02	5.4E-02	9.2E-03	6.3E-01	1.1E-01	4.7E-01	8.2E-02	4.9E-01	8.5E-02	1.0E-01	1.7E-02
SVOC	Benzo(k)fluoranthene	9.6E-02	--	1.5E-02	5.2E-02	5.1E-02	5.5E-01	5.5E-01	4.0E-01	4.0E-01	4.0E-01	4.0E-01	1.2E-01	1.2E-01
SVOC	1,1'-Biphenyl	2.7E-03	--	--	--	--	7.3E-02	7.0E-03	3.5E-02	3.4E-03	2.5E-02	2.4E-03	3.5E-02	3.4E-03
SVOC	Carbazole	--	--	4.1E-02	8.0E-02	--	1.2E+00	--	8.5E-01	--	6.0E-01	--	5.5E-01	--
SVOC	4-Chloro-3-methylphenol	--	7.4E-01	1.4E+00	--	--	--	--	--	--	--	--	--	--
SVOC	ortho-Chlorobenzaldehyde	--	4.8E-01	1.4E+00	--	--	--	--	--	--	--	--	--	--
SVOC	Chrysene	2.0E-01	9.3E-03	4.3E-02	1.3E-01	1.1E-01	1.4E+00	1.2E+00	9.4E-01	7.8E-01	9.7E-01	8.1E-01	3.8E-01	3.2E-01
SVOC	Dibenzofuran	1.3E-02	--	2.3E-02	2.0E-02	1.3E-03	6.0E-01	3.7E-02	3.1E-01	1.9E-02	2.4E-01	1.5E-02	2.5E-01	1.6E-02
SVOC	Fluoranthene	5.1E-01	1.9E-02	6.2E-02	2.5E-01	1.8E-01	4.2E+00	3.1E+00	2.8E+00	2.1E+00	2.8E+00	2.1E+00	8.5E-01	6.3E-01
SVOC	Indeno(1,2,3-c,d)pyrene	8.4E-02	--	1.6E-02	5.3E-02	5.1E-02	5.9E-01	5.7E-01	4.6E-01	4.4E-01	4.7E-01	4.5E-01	1.1E-01	1.0E-01
SVOC	1-Methylnaphthalene	1.5E-02	--	--	--	--	1.3E-01	4.8E-02	7.5E-02	2.7E-02	5.2E-02	1.9E-02	9.2E-02	3.3E-02
SVOC	2-Methyl naphthalene	2.7E-02	--	--	--	--	1.8E-01	6.9E-02	9.2E-02	3.5E-02	5.8E-02	2.2E-02	1.7E-01	6.4E-02
SVOC	Phenanthrene	9.5E-01	3.9E-02	6.5E-02	2.6E-01	2.6E-01	3.9E+00	3.9E+00	2.4E+00	2.4E+00	2.2E+00	2.2E+00	1.0E+00	1.0E+00
SVOC	Phenol	--	4.6E-02	1.0E+00	2.9E-02	--	--	--	3.2E-02	--	--	--	--	--
SVOC	Pyrene	3.1E-01	1.9E-02	6.4E-02	2.8E-01	1.5E-01	3.5E+00	1.9E+00	2.3E+00	1.2E+00	2.3E+00	1.2E+00	6.9E-01	3.7E-01
VOC	n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	n-Propyl benzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	Xylenes (total)	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sum of Pesticide TUs	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of SVOC TUs	3.3E+00	1.6E+00	4.6E+00	1.7E+00	1.2E+00	2.4E+01	1.7E+01	1.5E+01	1.1E+01	1.5E+01	1.1E+01	6.1E+00	4.1E+00
	Sum of VOC TUs	2.4E-04	1.1E-02	3.1E-01	7.6E-03	0	0	0	3.6E-03	0	1.3E-02	2.4E-04	0	0
	Sum of total TUs	3.3E+00	1.6E+00	4.9E+00	1.7E+00	1.2E+00	2.4E+01	1.7E+01	1.5E+01	1.1E+01	1.5E+01	1.1E+01	6.1E+00	4.1E+00

ND Not detected
SVOCs Semivolatile organic compounds
TU Toxic units
VOCs Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-3C: Summary of Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B150151B1	BPS1	DA23B2	DA23B2
Group	Chemical	TLM TUs	TLM TUs	TLM TUs	Narc TUs
PEST	Aldrin	--	--	--	--
SVOC	Anthracene	3.0E-02	--	3.0E-01	2.3E-01
SVOC	Benzo(a)anthracene	9.7E-02	--	4.9E-01	3.7E-01
SVOC	Benzo(a)pyrene	4.5E-02	--	2.9E-01	2.4E-01
SVOC	Benzo(b)fluoranthene	1.1E-01	--	3.8E-01	3.6E-01
SVOC	Benzo(g,h,i)perylene	1.7E-02	--	1.4E-01	2.5E-02
SVOC	Benzo(k)fluoranthene	5.4E-02	--	1.6E-01	1.6E-01
SVOC	1,1'-Biphenyl	--	--	4.1E-02	4.0E-03
SVOC	Carbazole	8.5E-02	--	5.0E-01	--
SVOC	4-Chloro-3-methylphenol	--	--	--	--
SVOC	ortho-Chlorobenzaldehyde	--	3.8E-01	--	--
SVOC	Chrysene	1.5E-01	--	5.3E-01	4.4E-01
SVOC	Dibenzofuran	--	--	2.9E-01	1.8E-02
SVOC	Fluoranthene	2.6E-01	--	1.5E+00	1.1E+00
SVOC	Indeno(1,2,3-c,d)pyrene	2.2E-02	--	1.4E-01	1.4E-01
SVOC	1-Methylnaphthalene	--	--	8.0E-02	2.9E-02
SVOC	2-Methyl naphthalene	--	--	1.2E-01	4.7E-02
SVOC	Phenanthrene	--	--	1.5E+00	1.5E+00
SVOC	Phenol	--	4.9E-01	--	--
SVOC	Pyrene	2.8E-01	--	1.0E+00	5.5E-01
VOC	n-Butylbenzene	--	--	--	--
VOC	sec-Butylbenzene	--	--	--	--
VOC	p-Isopropyltoluene	1.2E-03	--	--	--
VOC	Ethylbenzene	--	--	--	--
VOC	Methylcyclohexane	--	--	--	--
VOC	Naphthalene	--	--	--	--
VOC	n-Propyl benzene	--	--	--	--
VOC	Styrene	--	--	--	--
VOC	1,2,4-Trimethylbenzene	--	--	--	--
VOC	1,3,5-Trimethylbenzene	--	--	--	--
VOC	Xylenes (total)	--	--	--	--

Sum of Pesticide TUs	0	0	0	0
Sum of SVOC TUs	1.2E+00	1.8E+00	8.1E+00	5.8E+00
Sum of VOC TUs	6.0E-03	2.8E-04	4.7E-03	0
Sum of total TUs	1.2E+00	1.8E+00	8.1E+00	5.8E+00

ND Not detected
SVOCs Semivolatile organic compounds
TU Toxic units
VOCs Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

CASRN	Group	Chemical	TLM WQB (mg/L)	Narcosis SCV or FCV WQB (mg/L)	Log Kow	Log Koc	Soil Quality Benchmark (TLM) (mg/kg)	Soil Quality Benchmark (Narc) (mg/kg)	APDA789B1 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B2 1/22/2010	TLM TUs (TU)
309-00-2	PEST	Aldrin	4.8E-04	no value	6.5E+00	6.4E+00	5.9E+01	--	ND	--	--	12	2.0E-01
319-85-7	PEST	beta-BHC	1.3E-01	3.1E-01	3.8E+00	3.7E+00	3.5E+01	8.6E+01	ND	--	--	ND	--
319-86-8	PEST	delta-BHC	6.2E-02	3.1E-01	4.1E+00	4.1E+00	3.7E+01	1.8E+02	ND	--	--	ND	--
58-89-9	PEST	Lindane	1.5E-01	3.4E-01	3.7E+00	3.7E+00	3.5E+01	7.9E+01	ND	--	--	ND	--
57-74-9	PEST	Chlordane (total)	8.0E-04	no value	6.3E+00	6.2E+00	6.5E+01	--	ND	--	--	ND	--
72-54-8	PEST	4,4'-DDD	1.0E-03	no value	6.1E+00	6.0E+00	5.0E+01	--	ND	--	--	ND	--
72-55-9	PEST	4,4'-DDE	2.4E-04	no value	6.8E+00	6.6E+00	5.3E+01	--	ND	--	--	ND	--
50-29-3	PEST	4,4'-DDT	4.4E-04	no value	6.5E+00	6.4E+00	5.8E+01	--	ND	--	--	ND	--
60-57-1	PEST	Dieldrin	5.8E-03	no value	5.4E+00	5.3E+00	5.5E+01	--	ND	--	--	ND	--
115-29-7	PEST	Endosulfan	9.5E-02	2.1E-01	4.1E+00	4.0E+00	5.1E+01	1.1E+02	ND	--	--	ND	--
1031-07-8	PEST	Endosulfan sulfate	2.5E-01	no value	3.7E+00	3.6E+00	5.1E+01	--	ND	--	--	ND	--
72-20-8	PEST	Endrin	1.1E-02	no value	5.1E+00	5.0E+00	5.3E+01	--	ND	--	--	ND	--
7421-93-4	PEST	Endrin aldehyde	2.1E-02	no value	4.8E+00	4.7E+00	5.1E+01	--	ND	--	--	ND	--
1024-57-3	PEST	Heptachlor epoxide	1.3E-02	no value	5.0E+00	4.9E+00	5.4E+01	--	ND	--	--	ND	--
72-43-5	PEST	Methoxychlor	9.8E-03	2.2E-02	5.1E+00	5.0E+00	4.8E+01	1.1E+02	ND	--	--	ND	--
93-76-5	PEST	2,4,5-T	4.8E-01	no value	3.1E+00	3.1E+00	2.9E+01	--	NS	--	--	NS	--
130498-29-2H	SVOC	PAHs (High MW)	--	--	--	--	--	--	ND	--	--	ND	--
130498-29-2L	SVOC	PAHs (Low MW)	--	--	--	--	--	--	ND	--	--	ND	--
130498-29-2	SVOC	PAHs (total)	--	--	--	--	--	--	ND	--	--	ND	--
83-32-9	SVOC	Acenaphthene	5.3E-02	5.6E-02	3.9E+00	3.9E+00	1.9E+01	2.0E+01	ND	--	--	ND	--
208-96-8	SVOC	Acenaphthylene	2.5E-02	3.1E-01	3.9E+00	3.9E+00	9.4E+00	1.1E+02	ND	--	--	ND	--
98-86-2	SVOC	Acetophenone	3.2E+00	no value	1.6E+00	1.6E+00	6.3E+00	--	ND	--	--	ND	--
62-53-3	SVOC	Aniline	1.1E+01	no value	9.0E-01	8.8E-01	6.2E+00	--	ND	--	--	ND	--
120-12-7	SVOC	Anthracene	1.6E-02	2.1E-02	4.6E+00	4.5E+00	2.3E+01	3.1E+01	ND	--	--	ND	--
56-55-3	SVOC	Benzo(a)anthracene	1.7E-03	2.2E-03	5.7E+00	5.6E+00	3.4E+01	4.5E+01	ND	--	--	ND	--
50-32-8	SVOC	Benzo(a)pyrene	7.7E-04	9.6E-04	6.1E+00	6.0E+00	3.9E+01	4.9E+01	ND	--	--	ND	--
205-99-2	SVOC	Benzo(b)fluoranthene	6.4E-04	6.8E-04	6.2E+00	6.1E+00	4.0E+01	4.2E+01	ND	--	--	ND	--
191-24-2	SVOC	Benzo(g,h,i)perylene	7.6E-05	4.4E-04	7.2E+00	7.1E+00	4.9E+01	2.8E+02	ND	--	--	ND	--
207-08-9	SVOC	Benzo(k)fluoranthene	6.4E-04	6.4E-04	6.2E+00	6.1E+00	4.0E+01	4.0E+01	ND	--	--	ND	--
65-85-0	SVOC	Benzoic acid	1.8E+00	no value	1.9E+00	1.8E+00	6.3E+00	--	ND	--	--	ND	--
92-52-4	SVOC	1,1'-Biphenyl	1.8E-02	1.9E-01	4.1E+00	4.0E+00	9.6E+00	1.0E+02	ND	--	--	ND	--
117-81-7	SVOC	bis (2-Ethylhexyl) phthalate	4.6E-05	no value	7.3E+00	7.2E+00	3.5E+01	--	ND	--	--	ND	--
85-68-7	SVOC	Butylbenzylphthalate	7.4E-03	5.8E-02	4.8E+00	4.8E+00	2.1E+01	1.7E+02	ND	--	--	ND	--
86-74-8	SVOC	Carbazole	5.8E-02	no value	3.6E+00	3.5E+00	9.9E+00	--	ND	--	--	ND	--
59-50-7	SVOC	4-Chloro-3-methylphenol	1.4E-01	no value	3.1E+00	3.0E+00	8.0E+00	--	ND	--	--	ND	--
89-98-5	SVOC	ortho-Chlorobenzaldehyde	7.1E-01	no value	2.4E+00	2.3E+00	7.4E+00	--	ND	--	--	ND	--
2698-41-1	SVOC	CS	3.9E-01	no value	2.8E+00	2.7E+00	1.0E+01	--	ND	--	--	ND	--
218-01-9	SVOC	Chrysene	1.7E-03	2.0E-03	5.7E+00	5.6E+00	3.4E+01	4.1E+01	ND	--	--	ND	--
53-70-3	SVOC	Dibenzo(a,h)anthracene	2.4E-04	2.8E-04	6.7E+00	6.6E+00	4.6E+01	5.3E+01	ND	--	--	ND	--
132-64-9	SVOC	Dibenzofuran	1.0E-02	1.7E-01	4.4E+00	4.3E+00	1.1E+01	1.8E+02	ND	--	--	ND	--
84-66-2	SVOC	Diethylphthalate	8.1E-01	6.7E+00	2.5E+00	2.5E+00	1.2E+01	9.7E+01	ND	--	--	ND	--
131-11-3	SVOC	Dimethyl phthalate	2.8E+00	no value	1.9E+00	1.8E+00	1.0E+01	--	ND	--	--	ND	--
84-74-2	SVOC	Dibutyl phthalate	1.1E-02	8.5E-02	4.6E+00	4.5E+00	1.8E+01	1.4E+02	ND	--	--	ND	--
122-66-7	SVOC	1,2-Diphenylhydrazine	2.6E-01	no value	2.9E+00	2.9E+00	1.0E+01	--	ND	--	--	ND	--
206-44-0	SVOC	Fluoranthene	5.2E-03	7.1E-03	5.1E+00	5.0E+00	2.8E+01	3.8E+01	ND	--	--	ND	--
86-73-7	SVOC	Fluorene	3.1E-02	3.9E-02	4.2E+00	4.1E+00	2.1E+01	2.7E+01	ND	--	--	ND	--
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene	2.6E-04	2.8E-04	6.7E+00	6.5E+00	4.6E+01	4.7E+01	ND	--	--	ND	--
119-61-9	SVOC	Benzophenone	2.9E-02	no value	4.0E+00	3.9E+00	1.1E+01	--	ND	--	--	ND	--
90-12-0	SVOC	1-Methylnaphthalene	2.7E-02	7.5E-02	3.9E+00	3.8E+00	8.7E+00	2.4E+01	ND	--	--	ND	--
91-57-6	SVOC	2-Methyl naphthalene	2.8E-02	7.2E-02	3.9E+00	3.8E+00	8.7E+00	2.3E+01	ND	--	--	ND	--
99-09-2	SVOC	3-Nitroaniline	5.8E+00	no value	1.4E+00	1.3E+00	7.5E+00	--	ND	--	--	ND	--
85-01-8	SVOC	Phenanthrene	1.9E-02	1.9E-02	4.5E+00	4.4E+00	2.3E+01	2.3E+01	ND	--	--	ND	--
108-95-2	SVOC	Phenol	3.1E+00	no value	1.5E+00	1.5E+00	5.0E+00	--	ND	--	--	ND	--
129-00-0	SVOC	Pyrene	5.4E-03	1.0E-02	5.1E+00	5.0E+00	2.8E+01	5.3E+01	ND	--	--	ND	--
88-06-2	SVOC	2,4,6-Trichlorophenol	5.4E-02	no value	3.7E+00	3.6E+00	1.2E+01	--	ND	--	--	ND	--
67-64-1	VOC	Acetone	7.8E+01	no value	-2.4E-01	-2.4E-01	1.7E+01	--	ND	--	--	ND	--
71-43-2	VOC	Benzene	2.2E+00	5.3E+00	2.1E+00	2.1E+00	1.4E+01	3.4E+01	0.0006	4.2E-05	1.8E-05	ND	--
78-93-3	VOC	2-Butanone	3.2E+01	no value	2.8E-01	2.8E-01	9.0E+00	--	ND	--	--	ND	--
104-51-8	VOC	n-Butylbenzene	1.3E-02	no value	4.2E+00	4.1E+00	8.5E+00	--	ND	--	--	ND	--
135-98-8	VOC	sec-Butylbenzene	1.2E-02	no value	4.2E+00	4.2E+00	8.5E+00	--	ND	--	--	ND	--
98-06-6	VOC	tert-Butylbenzene	1.5E-02	no value	4.1E+00	4.0E+00	8.4E+00	--	ND	--	--	ND	--
98-82-8	VOC	Isopropylbenzene	5.1E-02	no value	3.5E+00	3.4E+00	7.1E+00	--	ND	--	--	ND	--
110-82-7	VOC	Cyclohexane	4.1E-02	no value	3.4E+00	3.4E+00	4.9E+00	--	ND	--	--	ND	--
108-94-1	VOC	Cyclohexanone	1.4E+01	no value	8.1E-01	8.0E-01	6.9E+00	--	ND	--	--	ND	--
99-87-6	VOC	p-Isopropyltoluene	1.6E-02	no value	4.1E+00	4.0E+00	8.4E+00	--	ND	--	--	ND	--
107-06-2	VOC	1,2-Dichloroethane	3.3E+00	no value	1.5E+00	1.4E+00	5.3E+00	--	ND	--	--	ND	--
156-59-2	VOC	cis-1,2-Dichloroethene	1.4E+00	no value	1.9E+00	1.8E+00	5.0E+00	--	ND	--	--	ND	--
156-60-5	VOC	trans-1,2-Dichloroethene	9.0E-01	no value	2.1E+00	2.0E+00	5.0E+00	--	ND	--	--	ND	--
100-41-4	VOC	Ethylbenzene	9.8E-02	7.9E-01	3.1E+00	3.1E+00	6.0E+00	4.8E+01	ND	--	--	ND	--
591-78-6	VOC	2-Hexanone	4.1E+00	no value	1.4E+00	1.4E+00	5.5E+00	--	ND	--	--	ND	--
79-20-9	VOC	Methyl acetate	4.0E+01	no value	1.8E-01	1.8E-01	1.1E+01	--	ND	--	--	ND	--
108-87-2	VOC	Methylcyclohexane	1.3E-01	no value	3.0E+00	2.9E+00	5.5E+00	--	ND	--	--	ND	--
75-09-2	VOC	Methylene chloride	4.6E+00	no value	1.3E+00	1.2E+00	4.8E+00	--	ND	--	--	ND	--
91-20-3	VOC	Naphthalene	7.4E-02	1.9E-01	3.4E+00	3.3E+00	7.4E+00	1.9E+01	ND	--	--	ND	--
103-65-1	VOC	n-Propyl benzene	3.5E-02	no value	3.7E+00	3.6E+00	7.2E+00	--	ND	--	--	ND	--
100-42-5	VOC	Styrene	1.5E-01	no value	2.9E+00	2.9E+00	5.8E+00	--	ND	--	--	ND	--
75-65-0	VOC	t-Butyl alcohol	2.8E+01	no value	3.5E-01	3.4E-01	8.4E+00	--	ND	--	--	ND	--
127-18-4	VOC	Tetrachloroethylene	4.2E-01	2.0E+00	2.7E+00	2.6E+00	9.0E+00	4.3E+01	ND	--	--	ND	--
108-88-3	VOC	Toluene	6.9E-01	1.6E+00	2.8E+00	2.7E+00	1.8E+01	4.1E+01	0.002	1.1E-04	4.9E-05	0.002	1.1E-04
79-01-6	VOC	Trichloroethylene	3.1E-01	1.4E+00	2.7E+00	2.7E+00	7.1E+00	3.3E+01	ND	--	--	ND	--
95-63-6	VOC	1,2,4-Trimethylbenzene	2.8E-02	no value	3.8E+00	3.7E+00	7.3E+00	--	ND	--	--	ND	--
108-67-8	VOC	1,3,5-Trimethylbenzene	1.7E-02	no value	4.0E+00	3.9E+00	7.4E+00	--	ND	--	--	ND	--
75-01-4	VOC	Vinyl chloride	2.0E+00	no value	1.5E+00	1.5E+00	3.3E+00	--	ND	--	--	ND	--
1330-20-7	VOC	Xylenes (total)	9.2E-02	no value	3.2E+00	3.1E+00	6.0E+00	--	ND	--	--	ND	--

Sum of Pesticide TUs	0	0		2.0E-01
Sum of SVOC TUs	0	0		0
Sum of VOC TUs	1.6E-04	6.7E-05		1.1E-04
Sum of total TUs	1.6E-04	6.7E-05		2.0E-01

0.191	Soil moisture θm
0.05	Soil foc
0.999	Water density ρw

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	APDA789B3 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B4 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B5 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B6 1/22/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	beta-BHC	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Lindane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Chlordane (total)	--	ND	--	--	0.0018	2.8E-05	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Dieldrin	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	--	ND	--	--	ND	--	--	0.00046	9.0E-06	4.1E-06	ND	--	--
PEST	Endosulfan sulfate	--	ND	--	--	ND	--	--	ND	--	--	0.0013	2.6E-05	--
PEST	Endrin	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endrin aldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Heptachlor epoxide	--	0.00091	1.7E-05	--	ND	--	--	0.0031	5.8E-05	--	0.00043	8.0E-06	--
PEST	Methoxychlor	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	1.7	3.4E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	0.015	8.7E-04	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	4.9E-05	ND	--	--	0.002	1.1E-04	4.9E-05	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	1.7E-05	0	2.8E-05	0	6.7E-05	4.1E-06	3.4E-05	0
Sum of SVOC TUs	0	3.4E-01	0	0	0	0	0	0	0
Sum of VOC TUs	4.9E-05	0	0	1.1E-04	4.9E-05	0	0	8.7E-04	0
Sum of total TUs	4.9E-05	3.4E-01	0	1.4E-04	4.9E-05	6.7E-05	4.1E-06	9.1E-04	0

Soil quality benchmarks are calculated as:

$$SQB\left(\frac{ug}{kg}\right) = WQB\left(\frac{ug}{L}\right) x \left[foc\ x\ Koc + \left(\frac{\theta m}{\rho w}\right)\right]$$

Where:
SQB = Soil or Sediment Quality Benchmark (ug/kg)
WQB =Water Quality Benchmark (ug/L) from TLM.
foc =Organic carbon fraction (kg organic carbon/kg soil or sediment).
Kow = octanol-water partition coefficient (L/kg). Specific to each chemical.

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	APDA789B7 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B8 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789S1 12/15/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789S2 12/15/2010	TLM TUs (TU)	Narc TUs (TU)	B103B1 12/10/2009
PEST	Aldrin	ND	--	--	ND	--	--	ND	--	--	0.00026	4.4E-06	--	NS
PEST	beta-BHC	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	ND	--	--	0.0045	1.2E-04	2.5E-05	NS	--	--	NS	--	--	NS
PEST	Lindane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	0.0032	4.9E-05	--	0.0017	2.6E-05	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	ND	--	--	0.0031	6.1E-05	--	NS	--	--	NS	--	--	NS
PEST	Endrin	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	ND	--	--	0.0069	1.4E-04	6.4E-05	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	1.472
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.4165
SVOC	PAHs (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	1.8885
SVOC	Acenaphthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.066
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.17
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.12
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.17
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.068
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.057
SVOC	Benzoic acid	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	0.14	1.9E-02	--	NS	--	--	NS	--	--	ND
SVOC	CS	ND	--	--	0.39	3.8E-02	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.15
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.34
SVOC	Fluorene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.067
SVOC	Benzophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.25
SVOC	Phenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.31
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Acetone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Benzene	0.001	7.0E-05	2.9E-05	ND	--	--	NS	--	--	NS	--	--	ND
VOC	2-Butanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	n-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Isopropylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Ethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	2-Hexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methyl acetate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methylcyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methylene chloride	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.005
VOC	Naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	n-Propyl benzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Styrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Toluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Trichloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Vinyl chloride	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Xylenes (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND

Sum of Pesticide TUs		4.9E-05	0		3.5E-04	8.8E-05		0	0		4.4E-06	0	
Sum of SVOC TUs		0	0		5.7E-02	0		0	0		0	0	
Sum of VOC TUs		7.0E-05	2.9E-05		0	0		0	0		0	0	
Sum of total TUs		1.2E-04	2.9E-05		5.7E-02	8.8E-05		0	0		4.4E-06	0	

Log Koc = 0.00028 + 0.983 x log Kow (USEPA 2008)
Koc = Organic carbon partition coefficient (L/kg). Specific to each chemical.
θm = Moisture content of soil or sediment expressed as a fraction.
Average of 19.1 for the soil samples in the top 1 foot.
ρw = Density of water (kg/L) at mean annual temperature of site.
Annual mean air temperature in Asheville is 12.7C. The density of freshwater at this temperature is 0.999 g/cm3 or kg/L.

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B103B2 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B103B3 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B1 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B2 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	0.0061	1.0E-04	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.04	1.1E-03	4.6E-04
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.066	1.8E-03	3.6E-04
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	0.0095	2.7E-04	1.2E-04
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	0.0074	1.1E-04	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	0.0097	1.9E-04	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	0.05	1.0E-03	4.6E-04
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	0.216	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	0.3495	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	2.8E-03	2.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	5.0E-03	3.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	3.1E-03	2.5E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	4.3E-03	4.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	1.4E-03	2.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	1.4E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	1.4	4.1E-02	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	4.4E-03	3.7E-03	ND	--	--	0.045	1.3E-03	1.1E-03	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	1.2E-02	8.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.5E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	1.1E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	ND	--	--	0.96	1.9E-01	--	ND	--	--	ND	--	--
SVOC	Pyrene	1.1E-02	5.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	0.085	7.2E-03	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	1.0E-03	--	0.007	1.5E-03	--	0.003	6.3E-04	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		4.6E-03	1.4E-03
Sum of SVOC TUs	5.8E-02	4.5E-02		0	0		1.9E-01	1.1E-03		0	0		4.8E-02	0
Sum of VOC TUs	1.0E-03	0		1.5E-03	0		6.3E-04	0		0	0		0	0
Sum of total TUs	5.9E-02	4.5E-02		1.5E-03	0		1.9E-01	1.1E-03		0	0		5.2E-02	1.4E-03

ND	Not detected
SVOCs	Semivolatile organic compounds
TU	Toxic units
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B104145B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B4 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B5 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B6 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B7 12/4/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	0.029	8.2E-04	3.4E-04	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.099	1.9E-03	8.8E-04	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.45	8.9E-03	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	0.0051	9.5E-05	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	0.25	3.9E-02	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	2.5	5.0E-01	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.014	8.1E-04	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	0.005	1.0E-03	--	ND	--	--	ND	--	--	0.003	6.3E-04
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	1.1E-04
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		0	0		1.2E-02	1.2E-03		0
Sum of SVOC TUs		0	0		0	0		0	0		5.4E-01	0		0
Sum of VOC TUs		0	0		1.9E-03	0		0	0		0	0		7.4E-04
Sum of total TUs		0	0		1.9E-03	0		0	0		5.5E-01	1.2E-03		7.4E-04

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B104145B8 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B1 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B10 11/30/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B11 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	2.36	--	--	2.623	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	0.1755	--	--	ND	--	--	0.656	--	--	ND	--	--
SVOC	PAHs (total)	--	0.3905	--	--	3.6905	--	--	3.279	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	0.065	3.4E-03	3.3E-03	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	0.1	4.3E-03	3.2E-03	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	0.26	7.6E-03	5.8E-03	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	0.24	6.1E-03	4.9E-03	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	0.33	8.3E-03	7.8E-03	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	0.17	3.5E-03	6.0E-04	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	0.11	2.8E-03	2.8E-03	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	0.065	6.6E-03	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	0.22	6.5E-03	5.4E-03	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	0.043	9.3E-04	8.1E-04	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	0.44	1.6E-02	1.1E-02	0.57	2.0E-02	1.5E-02	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	0.049	2.3E-03	1.8E-03	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	0.14	3.1E-03	3.0E-03	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	0.046	5.3E-03	2.0E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	0.38	1.6E-02	1.6E-02	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	0.4	1.4E-02	7.5E-03	0.54	1.9E-02	1.0E-02	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	0.012	7.0E-04	--	0.11	6.4E-03	--	0.027	1.6E-03	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	4.9E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		5.3E-03	2.0E-03		3.0E-02	1.9E-02		1.1E-01	8.1E-02		0	0
Sum of VOC TUs	4.9E-05		7.0E-04	0		6.4E-03	0		1.6E-03	0		0	0
Sum of total TUs	4.9E-05		6.0E-03	2.0E-03		3.6E-02	1.9E-02		1.1E-01	8.1E-02		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B105139B12 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B13 12/2/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B14 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B2 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)
PEST	Aldrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	beta-BHC	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	delta-BHC	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Lindane	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	0.0022	3.4E-05	--	NS	--	--	ND	--	--	0.0042	6.4E-05	--	NS	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Dieldrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	ND	--	--	NS	--	--	ND	--	--	0.00031	5.8E-06	--	NS	--
PEST	Methoxychlor	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.432	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.1665	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.5985	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.044	1.3E-03	9.8E-04	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.042	1.1E-03	8.6E-04	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.061	1.5E-03	1.4E-03	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	0.27	4.3E-02	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.046	1.4E-03	1.1E-03	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.088	3.1E-03	2.3E-03	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.046	2.0E-03	2.0E-03	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.071	2.5E-03	1.3E-03	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.02	1.2E-03	--	NS	--	--	0.019	1.1E-03	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	0.005	6.0E-04	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	0.002	2.8E-04	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		3.4E-05	0		0	0		0	0		7.0E-05	0		0
Sum of SVOC TUs		0	0		4.3E-02	0		0	0		1.3E-02	1.0E-02		0
Sum of VOC TUs		8.7E-04	0		1.2E-03	0		0	0		1.1E-03	0		0
Sum of total TUs		9.0E-04	0		4.4E-02	0		0	0		1.4E-02	1.0E-02		0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B4 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B5 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B6 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B7 11/30/2009
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	0.00097	2.6E-05	5.3E-06	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	0.0037	1.1E-04	4.7E-05	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	0.00056	8.6E-06	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	0.0034	5.9E-05	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	0.00053	9.7E-06	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	0.0032	6.3E-05	2.8E-05	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	0.00042	7.9E-06	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	0.013	2.7E-04	1.2E-04	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	ND	--	--	23.47	--	--	24.83	--	--	9.73	--	--	138.9
SVOC	PAHs (Low MW)	--	ND	--	--	3.8105	--	--	3.621	--	--	2.561	--	--	25.486
SVOC	PAHs (total)	--	ND	--	--	27.2805	--	--	28.451	--	--	12.291	--	--	164.386
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.7
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	0.61	2.6E-02	2.0E-02	0.57	2.4E-02	1.9E-02	ND	--	--	4.6
SVOC	Benzo(a)anthracene	--	ND	--	--	2.1	6.2E-02	4.7E-02	2.3	6.8E-02	5.1E-02	0.9	2.6E-02	2.0E-02	14
SVOC	Benzo(a)pyrene	--	ND	--	--	2.6	6.6E-02	5.4E-02	2.7	6.9E-02	5.6E-02	0.89	2.3E-02	1.8E-02	14
SVOC	Benzo(b)fluoranthene	--	ND	--	--	3	7.6E-02	7.1E-02	3.4	8.6E-02	8.1E-02	1.3	3.3E-02	3.1E-02	17
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	1.7	3.5E-02	6.0E-03	2	4.1E-02	7.1E-03	0.63	1.3E-02	2.2E-03	8.7
SVOC	Benzo(k)fluoranthene	--	ND	--	--	1.4	3.5E-02	3.5E-02	1.4	3.5E-02	3.5E-02	0.43	1.1E-02	1.1E-02	7.6
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	0.56	5.7E-02	--	ND	--	--	2.4
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	ND	--	--	2.1	6.2E-02	5.1E-02	2.2	6.5E-02	5.4E-02	0.9	2.6E-02	2.2E-02	12
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	0.47	1.0E-02	8.8E-03	0.53	1.1E-02	9.9E-03	ND	--	--	2.3
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.78
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	ND	--	--	4.3	1.5E-01	1.1E-01	4.3	1.5E-01	1.1E-01	2.1	7.4E-02	5.5E-02	29
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	1.7	3.7E-02	3.6E-02	1.8	3.9E-02	3.8E-02	0.57	1.2E-02	1.2E-02	8.3
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	2.3	9.9E-02	9.9E-02	2.1	9.0E-02	9.1E-02	1.3	5.6E-02	5.6E-02	17
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	ND	--	--	4.1	1.5E-01	7.7E-02	4.2	1.5E-01	7.9E-02	1.8	6.4E-02	3.4E-02	26
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	NS	--	--	0.072	4.2E-03	--	0.021	1.2E-03	--	0.14
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	0.011	1.2E-03	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.073
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.019
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		0	0		0	0		5.5E-04	2.0E-04	
Sum of SVOC TUs	0		0	0		8.0E-01	6.2E-01		8.9E-01	6.3E-01		3.4E-01	2.6E-01	
Sum of VOC TUs	0		0	0		0	0		5.4E-03	0		1.2E-03	0	
Sum of total TUs	0		0	0		8.0E-01	6.2E-01		8.9E-01	6.3E-01		3.4E-01	2.6E-01	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B105139B8 11/30/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B9 12/2/2009	TLM TUs (TU)	Narc TUs (TU)	B106B1 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B106S1 1/18/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	0.017	3.3E-04	1.5E-04	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	0.00066	1.3E-05	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	240.8	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	--	53.6505	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	294.4505	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	9.0E-02	8.5E-02	2.6	1.4E-01	1.3E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Acenaphthylene	--	--	0.43	4.6E-02	3.7E-03	ND	--	--	ND	--	--	NS	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	2.0E-01	1.5E-01	12	5.1E-01	3.9E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)anthracene	4.1E-01	3.1E-01	25	7.4E-01	5.6E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)pyrene	3.6E-01	2.9E-01	22	5.6E-01	4.5E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	4.3E-01	4.0E-01	29	7.3E-01	6.9E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	1.8E-01	3.1E-02	14	2.9E-01	5.0E-02	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	1.9E-01	1.9E-01	12	3.0E-01	3.0E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	2.1	6.1E-02	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Carbazole	2.4E-01	--	2	2.0E-01	--	ND	--	--	ND	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	3.5E-01	2.9E-01	23	6.8E-01	5.6E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	5.0E-02	4.3E-02	3.8	8.2E-02	7.1E-02	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzofuran	7.2E-02	4.4E-03	1.7	1.6E-01	9.7E-03	ND	--	--	ND	--	--	NS	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluoranthene	1.0	7.6E-01	51	1.8	1.3	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluorene	7.6E-02	5.9E-02	4.2	2.0E-01	1.6E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.8E-01	1.8E-01	13	2.8E-01	2.7E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenanthrene	7.3E-01	7.3E-01	34	1.5	1.5	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Pyrene	9.2E-01	4.9E-01	48	1.7	9.0E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Acetone	8.1E-03	--	0.051	3.0E-03	--	NS	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	8.7E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	0.006	1.3E-03	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	1.1E-03	4.7E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		3.5E-04	1.5E-04		0	0
Sum of SVOC TUs	5.5	4.0		9.9	7.3		0	0		0	0		0	0
Sum of VOC TUs	1.8E-02	4.7E-04		3.0E-03	0		0	0		0	0		1.3E-03	0
Sum of total TUs	5.5	4.0		9.9	7.3		0	0		3.5E-04	1.5E-04		1.3E-03	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B106S2 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B107B1 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B2 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B3 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B4 12/16/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	NS	--	--	0.0022	6.2E-05	2.5E-05	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	NS	--	--	0.0015	4.1E-05	8.2E-06	NS	--	--	NS	--	--	NS	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	0.0016	2.5E-05	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	0.0019	3.3E-05	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	NS	--	--	0.004	7.8E-05	3.5E-05	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	0.8805	--	--	28.24	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	0.25	--	--	9.0685	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	1.1305	--	--	37.3085	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	0.81	4.3E-02	4.1E-02	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.7	7.2E-02	5.5E-02	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	0.092	2.7E-03	2.1E-03	3	8.8E-02	6.7E-02	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	0.086	2.2E-03	1.8E-03	2.6	6.6E-02	5.4E-02	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	0.093	2.3E-03	2.2E-03	3.4	8.6E-02	8.1E-02	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	0.07	1.4E-03	2.5E-04	1.5	3.1E-02	5.3E-03	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	0.053	1.3E-03	1.3E-03	1.3	3.3E-02	3.3E-02	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	0.33	9.6E-03	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	0.74	7.5E-02	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	ND	--	--	ND	--	--	0.096	2.8E-03	2.3E-03	3.1	9.1E-02	7.6E-02	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.44	9.5E-03	8.3E-03	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.43	4.0E-02	2.4E-03	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	0.11	1.1E-02	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	0.16	5.7E-03	4.2E-03	5.5	1.9E-01	1.4E-01	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.75	3.6E-02	2.8E-02	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	0.059	1.3E-03	1.2E-03	1.5	3.3E-02	3.2E-02	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.074	8.5E-03	3.1E-03	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.11	1.3E-02	4.9E-03	ND	--
SVOC	3-Nitroaniline	ND	--	--	0.2	2.7E-02	--	0.12	1.6E-02	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	0.12	5.2E-03	5.2E-03	5.6	2.4E-01	2.4E-01	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	0.071	1.4E-02	--	0.054	1.1E-02
SVOC	Pyrene	ND	--	--	ND	--	--	0.15	5.3E-03	2.8E-03	5.9	2.1E-01	1.1E-01	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		2.4E-04	6.9E-05		0	0		0	0		0
Sum of SVOC TUs		0	0		2.7E-02	0		6.7E-02	2.3E-02		1.4	9.8E-01		1.1E-02
Sum of VOC TUs		0	0		0	0		0	0		0	0		0
Sum of total TUs		0	0		2.7E-02	6.9E-05		6.7E-02	2.3E-02		1.4	9.8E-01		1.1E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B107B5 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B6 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107S1 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107S2 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B107S3 2/2/2012	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	0.0011	3.0E-05	6.0E-06	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	0.00033	9.4E-06	4.2E-06	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	0.0078	1.5E-04	6.9E-05	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	0.273	--	--	NS	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	0.427	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	0.15	8.2E-03	1.0E-03	ND	--	--	NS	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	0.047	1.7E-03	1.2E-03	NS	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenol	--	0.39	7.8E-02	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	0.05	1.8E-03	9.4E-04	NS	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Acetone	--	0.12	7.0E-03	--	ND	--	--	NS	--	--	0.22	1.3E-02	--	0.022	1.3E-03
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	0.004	5.7E-04	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	0.004	4.8E-04	--	0.003	3.6E-04
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	13	2.2	2.7E-01	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	0.49	4.6E-02	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.004	8.4E-04	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	7	1.2	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	0.66	9.3E-02	2.0E-02	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	0.004	5.4E-04	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		1.9E-04	7.9E-05		0	0		0	0		0
Sum of SVOC TUs	0		7.8E-02	0		8.2E-03	1.0E-03		3.4E-03	2.2E-03		0	0		0
Sum of VOC TUs	0		7.8E-03	0		3.5	2.9E-01		0	0		1.4E-02	0		1.6E-03
Sum of total TUs	0		8.5E-02	0		3.5	2.9E-01		3.4E-03	2.2E-03		1.4E-02	0		1.6E-03

		Narc TUs	B108B2	TLM TUs	Narc TUs	B108S1	TLM TUs	Narc TUs	B109137B1	TLM TUs	Narc TUs	B109137B2	TLM TUs	Narc TUs	B109137B3	TLM TUs
Group	Chemical	(TU)	1/15/2010	(TU)	(TU)	1/15/2010	(TU)	(TU)	1/11/2010	(TU)	(TU)	1/11/2010	(TU)	(TU)	1/12/2010	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	43.9	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.2965	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	52.1965	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.67	3.5E-02
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6	6.8E-02
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.4	1.3E-01
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.3	1.1E-01
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.2	1.3E-01
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	3	6.2E-02
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.5	6.3E-02
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	0.16	4.6E-03	--	ND	--	--	0.2	5.8E-03
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.34	1.6E-02
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.4	1.4E-01
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.7	1.4E-01
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.9	1.9E-02
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28	2.6E-02
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	9.2	3.3E-01
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.51	2.4E-02
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.9	6.4E-02
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.041	4.7E-03
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.055	6.3E-03
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.4	2.3E-01
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	6.8	2.4E-01
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.011	6.4E-04
VOC	Benzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.003	3.6E-04
VOC	1,2-Dichloroethane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	NS	--	--	0.005	1.0E-03	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	NS	--	--	ND	--	--	0.002	1.1E-04	4.9E-05	0.002	1.1E-04
VOC	Trichloroethylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		4.6E-03	0		0	0		1.8
Sum of VOC TUs	0		0	0		0	0		1.0E-03	0		1.1E-04	4.9E-05		1.1E-03
Sum of total TUs	0		0	0		0	0		5.7E-03	0		1.1E-04	4.9E-05		1.8

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B109137B5 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B6 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B8 1/5/2012	TLM TUs (TU)	Narc TUs (TU)	B109137BS1A 3/31/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	NS	--	--	NS	--	--	NS	--	--	10.42	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	104.951	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	115.371	--	--
SVOC	Acenaphthene	3.4E-02	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Acenaphthylene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Acetophenone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Aniline	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	5.2E-02	NS	--	--	NS	--	--	NS	--	--	0.71	3.0E-02	2.3E-02
SVOC	Benzo(a)anthracene	9.8E-02	NS	--	--	NS	--	--	NS	--	--	0.77	2.3E-02	1.7E-02
SVOC	Benzo(a)pyrene	8.9E-02	NS	--	--	NS	--	--	NS	--	--	0.24	6.1E-03	4.9E-03
SVOC	Benzo(b)fluoranthene	1.2E-01	NS	--	--	NS	--	--	NS	--	--	1.6	4.0E-02	3.8E-02
SVOC	Benzo(g,h,i)perylene	1.1E-02	NS	--	--	NS	--	--	NS	--	--	0.78	1.6E-02	2.8E-03
SVOC	Benzo(k)fluoranthene	6.3E-02	NS	--	--	NS	--	--	NS	--	--	0.72	1.8E-02	1.8E-02
SVOC	Benzoic acid	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	NS	--	--	NS	--	--	NS	--	--	2.2	2.3E-01	2.2E-02
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Butylbenzylphthalate	2.0E-03	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Carbazole	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	1.1E-01	NS	--	--	NS	--	--	NS	--	--	1.2	3.5E-02	2.9E-02
SVOC	Dibenzo(a,h)anthracene	1.7E-02	NS	--	--	NS	--	--	NS	--	--	0.2	4.3E-03	3.8E-03
SVOC	Dibenzofuran	1.6E-03	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Diethylphthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Fluoranthene	2.4E-01	NS	--	--	NS	--	--	NS	--	--	2.4	8.5E-02	6.3E-02
SVOC	Fluorene	1.9E-02	NS	--	--	NS	--	--	NS	--	--	2.3	1.1E-01	8.5E-02
SVOC	Indeno(1,2,3-c,d)pyrene	6.1E-02	NS	--	--	NS	--	--	NS	--	--	0.71	1.6E-02	1.5E-02
SVOC	Benzophenone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1-Methylnaphthalene	1.7E-03	NS	--	--	NS	--	--	NS	--	--	31	3.6	1.3
SVOC	2-Methyl naphthalene	2.4E-03	NS	--	--	NS	--	--	NS	--	--	50	5.8	2.2
SVOC	3-Nitroaniline	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	2.3E-01	NS	--	--	NS	--	--	NS	--	--	19	8.2E-01	8.2E-01
SVOC	Phenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Pyrene	1.3E-01	NS	--	--	NS	--	--	NS	--	--	1.8	6.4E-02	3.4E-02
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	0.054	3.1E-03	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.47	5.5E-02	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.31	3.6E-02	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.15	2.1E-02	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	0.34	4.1E-02	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.17	2.8E-02	3.5E-03
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	ND	--	--	0.003	6.3E-04	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	1.9	2.6E-01	9.8E-02
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	0.34	4.7E-02	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	4.9E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	3.6	5.0E-01	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	1.9	2.6E-01	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	1.61	2.7E-01	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	1.3		0	0		0	0		0	0		11	4.7
Sum of VOC TUs	4.9E-05		0	0		6.3E-04	0		3.1E-03	0		1.5	1.0E-01
Sum of total TUs	1.3		0	0		6.3E-04	0		3.1E-03	0		12	4.8

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B109137BS1B 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B109137SS1A 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B110111112B1 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B2 1/8/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	0.0054	1.5E-04	6.3E-05	ND	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Lindane	NS	--	--	NS	--	--	0.00034	9.7E-06	4.3E-06	0.00035	1.0E-05	4.4E-06
PEST	Chlordane (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	0.0036	7.1E-05	3.2E-05	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	0.00074	1.4E-05	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	0.00042	7.8E-06	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	0.0035	7.3E-05	3.2E-05
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	3.3	--	--	ND	--	--	0.466	--	--
SVOC	PAHs (Low MW)	0.26	--	--	143.965	--	--	ND	--	--	0.1725	--	--
SVOC	PAHs (total)	0.47	--	--	147.265	--	--	ND	--	--	0.6385	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	0.75	3.2E-02	2.4E-02	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.055	1.6E-03	1.2E-03
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.046	1.2E-03	9.5E-04
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.072	1.8E-03	1.7E-03
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	3.2	3.3E-01	3.2E-02	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.054	1.6E-03	1.3E-03
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	2.6	2.4E-01	1.5E-02	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	0.66	2.3E-02	1.7E-02	ND	--	--	0.088	3.1E-03	2.3E-03
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	42	4.8	1.7	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	69	8.0	3.1	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	0.13	5.6E-03	5.6E-03	24	1.0	1.0	ND	--	--	0.052	2.2E-03	2.2E-03
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	1	3.5E-02	1.9E-02	ND	--	--	0.071	2.5E-03	1.3E-03
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	2.8	3.3E-01	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	2.1	2.5E-01	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	0.71	8.4E-02	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	1.1	1.6E-01	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	2.9	3.5E-01	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	0.99	1.6E-01	2.0E-02	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	1.8	3.3E-01	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	0.004	5.4E-04	2.1E-04	7.6	1.0	3.9E-01	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	2	2.8E-01	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	0.18	1.0E-02	4.4E-03	0.002	1.1E-04	4.9E-05	0.002	1.1E-04	4.9E-05
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	14	1.9	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	10	1.3	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	7.6	1.3	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		2.6E-04	9.9E-05		8.3E-05	3.7E-05
Sum of SVOC TUs		5.6E-03	5.6E-03		14	6.0		0	0		1.4E-02	1.1E-02
Sum of VOC TUs		5.4E-04	2.1E-04		7.5	4.1E-01		1.1E-04	4.9E-05		1.1E-04	4.9E-05
Sum of total TUs		6.1E-03	5.8E-03		22	6.4		3.7E-04	1.5E-04		1.4E-02	1.1E-02

Group	Chemical	B110111112B3 1/8/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B4 1/8/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B5 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B6 1/7/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	ND	--	--	ND	--	--	0.0007	1.9E-05	3.8E-06	NS	--	--
PEST	Lindane	ND	--	--	0.00024	6.8E-06	3.0E-06	ND	--	--	NS	--	--
PEST	Chlordane (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	0.0006	1.2E-05	5.3E-06	0.0009	1.8E-05	8.0E-06	0.00048	9.4E-06	4.3E-06	NS	--	--
PEST	Endosulfan sulfate	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	0.00033	6.1E-06	--	ND	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	16.18	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	7.265	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	23.445	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	0.73	3.9E-02	3.7E-02
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.2	5.1E-02	3.9E-02
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	1.7	5.0E-02	3.8E-02
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	1.4	3.6E-02	2.9E-02
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	1.7	4.3E-02	4.0E-02
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	0.85	1.7E-02	3.0E-03
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.77	1.9E-02	1.9E-02
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	0.053	5.5E-03	5.3E-04
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	0.56	5.7E-02	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	1.6	4.7E-02	3.9E-02
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.16	3.5E-03	3.0E-03
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.46	4.2E-02	2.6E-03
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	3.9	1.4E-01	1.0E-01
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.72	3.4E-02	2.7E-02
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	0.8	1.8E-02	1.7E-02
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.074	8.5E-03	3.1E-03
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.12	1.4E-02	5.3E-03
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	4.4	1.9E-01	1.9E-01
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	3.3	1.2E-01	6.2E-02
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	0.003	6.3E-04	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	0.002	1.1E-04	4.9E-05
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		1.8E-05	5.3E-06		2.4E-05	1.1E-05		2.9E-05	8.1E-06		0	0
Sum of SVOC TUs		0	0		0	0		0	0		9.3E-01	6.6E-01
Sum of VOC TUs		0	0		0	0		0	0		7.4E-04	4.9E-05
Sum of total TUs		1.8E-05	5.3E-06		2.4E-05	1.1E-05		2.9E-05	8.1E-06		9.3E-01	6.6E-01

		B110111112B7	TLM TUs	Narc TUs	B113B1	TLM TUs	Narc TUs	B113B10	TLM TUs	Narc TUs	B113B11	TLM TUs	Narc TUs	B113B12	TLM TUs
Group	Chemical	1/7/2010	(TU)	(TU)	1/18/2010	(TU)	(TU)	12/17/2009	(TU)	(TU)	12/17/2009	(TU)	(TU)	1/5/2012	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	0.086	1.5E-03	--	0.0037	6.2E-05	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	ND	--	--	0.0011	3.1E-05	1.4E-05	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	ND	--	--	0.01	2.0E-04	8.9E-05	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	0.00086	1.7E-05	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	ND	--	--	0.0007	1.3E-05	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	ND	--	--	0.0027	5.3E-05	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	0.019	3.9E-04	1.8E-04	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.523	--	--	NS	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.1735	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.6965	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.066	1.9E-03	1.5E-03	NS	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.063	1.6E-03	1.3E-03	NS	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.057	1.4E-03	1.4E-03	NS	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.053	1.3E-03	1.3E-03	NS	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	0.11	3.2E-03	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	0.071	9.6E-03	--	ND	--	--	NS	--
SVOC	CS	NS	--	--	ND	--	--	0.25	2.4E-02	--	ND	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.07	2.1E-03	1.7E-03	NS	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.073	2.6E-03	1.9E-03	NS	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.053	2.3E-03	2.3E-03	NS	--
SVOC	Phenol	ND	--	--	ND	--	--	0.41	8.2E-02	--	ND	--	--	NS	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.081	2.9E-03	1.5E-03	NS	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.029	1.7E-03
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	0.072	1.0E-02	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	4.1E-04
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.014	2.9E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	0.002	1.1E-04	4.9E-05	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		1.5E-03	0		7.7E-04	2.8E-04		0
Sum of SVOC TUs		3.2E-03	0		0	0		1.2E-01	0		1.6E-02	1.3E-02		0
Sum of VOC TUs		3.0E-03	4.9E-05		1.0E-02	0		0	0		0	0		2.1E-03
Sum of total TUs		6.2E-03	4.9E-05		1.0E-02	0		1.2E-01	0		1.7E-02	1.3E-02		2.1E-03

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B113B2 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B113B3 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B5 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B6 12/17/2009
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	0.5715	--	--	0.874	--	--	ND	--	--	0.51	--	--	2.2015
SVOC	PAHs (Low MW)	--	0.1805	--	--	0.1765	--	--	ND	--	--	0.324	--	--	0.635
SVOC	PAHs (total)	--	0.752	--	--	1.0505	--	--	ND	--	--	0.834	--	--	2.8365
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	0.041	2.2E-03	2.1E-03	0.12
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.091
SVOC	Benzo(a)anthracene	--	0.064	1.9E-03	1.4E-03	0.092	2.7E-03	2.1E-03	ND	--	--	0.047	1.4E-03	1.1E-03	0.23
SVOC	Benzo(a)pyrene	--	0.056	1.4E-03	1.2E-03	0.1	2.5E-03	2.1E-03	ND	--	--	0.051	1.3E-03	1.0E-03	0.24
SVOC	Benzo(b)fluoranthene	--	0.077	1.9E-03	1.8E-03	0.12	3.0E-03	2.8E-03	ND	--	--	0.047	1.2E-03	1.1E-03	0.26
SVOC	Benzo(g,h,i)perylene	--	0.046	9.5E-04	1.6E-04	0.1	2.1E-03	3.6E-04	ND	--	--	ND	--	--	0.18
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.12
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	0.26	4.1E-02	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	0.097	2.8E-03	--	ND	--	--	ND	--	--	0.12	3.5E-03	--	0.48
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.081
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	1.2	1.5E-01	--	2.2
SVOC	ortho-Chlorobenzaldehyde	--	0.15	2.0E-02	--	0.26	3.5E-02	--	ND	--	--	0.77	1.0E-01	--	2.2
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.48
SVOC	Chrysene	--	0.078	2.3E-03	1.9E-03	0.095	2.8E-03	2.3E-03	ND	--	--	0.063	1.9E-03	1.5E-03	0.29
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.051
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	0.095	3.4E-03	2.5E-03	0.13	4.6E-03	3.4E-03	ND	--	--	0.11	3.9E-03	2.9E-03	0.35
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.059
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	0.081	1.8E-03	1.7E-03	ND	--	--	ND	--	--	0.15
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	0.057	2.5E-03	2.5E-03	0.068	2.9E-03	2.9E-03	ND	--	--	0.18	7.8E-03	7.8E-03	0.3
SVOC	Phenol	--	ND	--	--	0.039	7.8E-03	--	ND	--	--	0.068	1.4E-02	--	1.5
SVOC	Pyrene	--	0.094	3.3E-03	1.8E-03	0.12	4.2E-03	2.2E-03	ND	--	--	0.11	3.9E-03	2.1E-03	0.36
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.028
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.15
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.06
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.017
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14
VOC	Tetrachloroethylene	--	ND	--	--	0.006	6.7E-04	1.4E-04	0.27	3.0E-02	6.3E-03	0.017	1.9E-03	4.0E-04	0.003
VOC	Toluene	--	ND	--	--	ND	--	--	0.004	2.3E-04	9.8E-05	0.002	1.1E-04	4.9E-05	ND
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	0.002	2.8E-04	6.1E-05	0.094
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0		4.1E-02	1.3E-02		7.0E-02	2.0E-02		0	0		3.3E-01	2.0E-02	
Sum of VOC TUs	0		0	0		6.7E-04	1.4E-04		3.0E-02	6.4E-03		2.3E-03	5.1E-04	
Sum of total TUs	0		4.1E-02	1.3E-02		7.0E-02	2.0E-02		3.0E-02	6.4E-03		3.4E-01	2.0E-02	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B113B7 12/18/2009	TLM TUs (TU)	Narc TUs (TU)	B113B8 12/18/2009	TLM TUs (TU)	Narc TUs (TU)	B113B9 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B114B2 1/21/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	0.32	5.4E-03	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	0.57	1.1E-02	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	0.626	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	0.2605	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	0.8865	--	--
SVOC	Acenaphthene	6.3E-03	6.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	2	3.2E-01	--	ND	--	--	ND	--	--
SVOC	Anthracene	3.9E-03	3.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	6.8E-03	5.1E-03	ND	--	--	ND	--	--	ND	--	--	0.069	2.0E-03	1.5E-03
SVOC	Benzo(a)pyrene	6.1E-03	4.9E-03	ND	--	--	ND	--	--	ND	--	--	0.052	1.3E-03	1.1E-03
SVOC	Benzo(b)fluoranthene	6.6E-03	6.2E-03	ND	--	--	ND	--	--	ND	--	--	0.068	1.7E-03	1.6E-03
SVOC	Benzo(g,h,i)perylene	3.7E-03	6.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	3.0E-03	3.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	1.4E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	8.2E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	2.7E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	3.0E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	4.7E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	8.5E-03	7.1E-03	ND	--	--	ND	--	--	ND	--	--	0.073	2.1E-03	1.8E-03
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	4.7E-03	2.9E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	0.25	2.4E-02	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	1.2E-02	9.1E-03	ND	--	--	ND	--	--	ND	--	--	0.15	5.3E-03	3.9E-03
SVOC	Fluorene	2.8E-03	2.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	3.3E-03	3.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	9.8E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	1.3E-02	1.3E-02	ND	--	--	ND	--	--	ND	--	--	0.14	6.0E-03	6.0E-03
SVOC	Phenol	3.0E-01	--	0.62	1.2E-01	--	ND	--	--	0.93	1.9E-01	--	ND	--	--
SVOC	Pyrene	1.3E-02	6.7E-03	ND	--	--	ND	--	--	ND	--	--	0.14	5.0E-03	2.6E-03
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	1.6E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	0.001	7.0E-05	2.9E-05	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	3.1E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	0.004	7.6E-04	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	1.2E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	3.4E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	0.009	1.9E-03	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	1.7E-02	--	ND	--	--	ND	--	--	0.036	4.3E-03	--	ND	--	--
VOC	Tetrachloroethylene	3.3E-04	7.1E-05	ND	--	--	0.019	2.1E-03	4.5E-04	0.004	4.5E-04	9.4E-05	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	1.3E-02	2.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		1.6E-02	0		0	0
Sum of SVOC TUs	1.0	7.0E-02		1.2E-01	0		3.5E-01	0		1.9E-01	0		2.3E-02	1.9E-02
Sum of VOC TUs	7.8E-02	3.0E-03		0	0		4.8E-03	4.8E-04		4.7E-03	9.4E-05		0	0
Sum of total TUs	1.1	7.3E-02		1.2E-01	0		3.5E-01	4.8E-04		2.1E-01	9.4E-05		2.3E-02	1.9E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B114B3 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B115B1 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B115B2 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B115B3 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B115B4 12/14/2009	TLM TUs (TU)
PEST	Aldrin	ND	--	--	NS	--	--	0.00026	4.4E-06	--	NS	--	--	NS	--
PEST	beta-BHC	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	delta-BHC	0.00091	2.5E-05	5.0E-06	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Lindane	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	0.00043	6.6E-06	--	NS	--	--	0.0016	2.5E-05	--	NS	--	--	NS	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	0.0017	3.2E-05	--	NS	--	--	NS	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	0.0028	4.8E-05	--	NS	--	--	NS	--
PEST	Dieldrin	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Endosulfan	0.00032	6.3E-06	2.8E-06	NS	--	--	0.0017	3.3E-05	1.5E-05	NS	--	--	NS	--
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Endrin	ND	--	--	NS	--	--	0.0018	3.4E-05	--	NS	--	--	NS	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	ND	--	--	NS	--	--	0.0019	3.5E-05	--	NS	--	--	NS	--
PEST	Methoxychlor	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	1.1	3.2E-02	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	0.079	1.6E-02	--	ND	--	--	0.056	1.1E-02	--	0.11	2.2E-02
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	0.041	5.9E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	0.002	2.4E-04	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	0.004	7.3E-04	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	0.003	6.3E-04	--	0.01	2.1E-03	--	0.003	6.3E-04	--	0.008	1.7E-03
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	0.001	5.7E-05	2.5E-05	ND	--	--	ND	--	--	0.006	3.4E-04
VOC	Trichloroethylene	ND	--	--	0.004	5.6E-04	1.2E-04	0.003	4.2E-04	9.2E-05	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		3.8E-05	7.8E-06		0	0		2.1E-04	1.5E-05		0	0		0
Sum of SVOC TUs		0	0		1.6E-02	0		3.2E-02	0		1.1E-02	0		2.2E-02
Sum of VOC TUs		6.7E-03	0		1.2E-03	1.5E-04		2.8E-03	9.2E-05		6.3E-04	0		2.0E-03
Sum of total TUs		6.7E-03	7.8E-06		1.7E-02	1.5E-04		3.5E-02	1.1E-04		1.2E-02	0		2.4E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B116128B1 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B11 4/21/2011	TLM TUs (TU)	Narc TUs (TU)	B116128B3 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	0.00079	2.2E-05	4.3E-06
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	0.00055	1.6E-05	7.0E-06
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	0.017	3.3E-04	1.5E-04
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	0.00098	1.9E-05	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	0.00051	9.5E-06	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	PAHs (High MW)	--	ND	--	--	NS	--	--	7.85	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	1.7865	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	9.6365	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	NS	--	--	0.18	9.5E-03	9.0E-03	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	NS	--	--	0.25	1.1E-02	8.1E-03	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	NS	--	--	0.78	2.3E-02	1.7E-02	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	NS	--	--	0.69	1.8E-02	1.4E-02	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	NS	--	--	0.97	2.4E-02	2.3E-02	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	NS	--	--	0.52	1.1E-02	1.8E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	NS	--	--	0.41	1.0E-02	1.0E-02	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	NS	--	--	0.16	1.6E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	NS	--	--	0.87	2.6E-02	2.1E-02	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	NS	--	--	0.13	2.8E-03	2.4E-03	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	NS	--	--	0.044	4.1E-03	2.5E-04	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	NS	--	--	0.093	9.2E-03	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	NS	--	--	1.4	4.9E-02	3.6E-02	ND	--	--
SVOC	Fluorene	--	ND	--	--	NS	--	--	0.1	4.7E-03	3.7E-03	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	NS	--	--	0.48	1.1E-02	1.0E-02	ND	--	--
SVOC	Benzophenone	--	ND	--	--	NS	--	--	ND	--	--	0.19	1.7E-02	--
SVOC	1-Methylnaphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	NS	--	--	1.2	5.2E-02	5.2E-02	ND	--	--
SVOC	Phenol	--	0.09	1.8E-02	--	NS	--	--	0.043	8.6E-03	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	NS	--	--	1.6	5.7E-02	3.0E-02	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	0.004	7.6E-04	--	ND	--	--	0.002	3.8E-04	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	0.006	1.3E-03	--	ND	--	--	0.007	1.5E-03	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	0.001	1.1E-04	2.4E-05	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	1.5E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	0.003	4.2E-04	9.2E-05
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	0.007	2.1E-03	--	ND	--	--	0.002	6.0E-04	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		4.0E-04	1.6E-04
Sum of SVOC TUs	0		1.8E-02	0		0	0		3.5E-01	2.4E-01		1.7E-02	0
Sum of VOC TUs	1.5E-04		4.2E-03	2.4E-05		0	0		2.4E-03	0		4.2E-04	9.2E-05
Sum of total TUs	1.5E-04		2.2E-02	2.4E-05		0	0		3.5E-01	2.4E-01		1.8E-02	2.5E-04

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B117B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S2 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S3 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S4 3/10/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	ND	--	--	0.01	1.7E-04	--	ND	--	--
PEST	beta-BHC	NS	--	--	ND	--	--	ND	--	--	0.023	6.5E-04	2.7E-04	ND	--	--
PEST	delta-BHC	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Lindane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Chlordane (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	ND	--	--	ND	--	--	0.0045	7.8E-05	--	ND	--	--
PEST	Dieldrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	0.0029	5.7E-05	2.6E-05	0.00093	1.8E-05	8.3E-06	0.0027	5.3E-05	2.4E-05	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	ND	--	--	0.013	2.6E-04	--	ND	--	--
PEST	Endrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	ND	--	--	0.0047	9.8E-05	4.3E-05	ND	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	ND	--	--	0.0013	4.5E-05	--	0.0016	5.5E-05	--	ND	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.513	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.191	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.704	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.055	1.6E-03	1.2E-03	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.046	1.2E-03	9.5E-04	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.06	1.5E-03	1.4E-03	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	0.14	4.1E-03	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.066	1.9E-03	1.6E-03	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	0.62	3.4E-02	4.3E-03	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.1	3.5E-03	2.6E-03	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.059	2.5E-03	2.5E-03	ND	--	--
SVOC	Phenol	0.27	5.4E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.098	3.5E-03	1.8E-03	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		5.7E-05	2.6E-05		1.6E-04	5.2E-05		1.3E-03	2.9E-04		0	0
Sum of SVOC TUs		5.4E-02	0		0	0		0	0		5.4E-02	1.6E-02		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of total TUs		5.4E-02	0		5.7E-05	2.6E-05		1.6E-04	5.2E-05		5.5E-02	1.7E-02		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B119120B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B3 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B4 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S2 1/13/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	101.3	--	--	69.18	--	--	71.2	--	--	1.5635	--	--	NS
SVOC	PAHs (Low MW)	28.5285	--	--	16.7565	--	--	15.0915	--	--	0.3405	--	--	NS
SVOC	PAHs (total)	129.8285	--	--	85.9365	--	--	86.2915	--	--	1.904	--	--	NS
SVOC	Acenaphthene	2.5	1.3E-01	1.3E-01	1.3	6.9E-02	6.5E-02	1	5.3E-02	5.0E-02	ND	--	--	NS
SVOC	Acenaphthylene	0.088	9.4E-03	7.7E-04	0.066	7.1E-03	5.8E-04	0.1	1.1E-02	8.7E-04	ND	--	--	NS
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Anthracene	5	2.1E-01	1.6E-01	2.9	1.2E-01	9.4E-02	2.8	1.2E-01	9.1E-02	0.048	2.0E-03	1.6E-03	NS
SVOC	Benzo(a)anthracene	10	2.9E-01	2.2E-01	7	2.1E-01	1.6E-01	7	2.1E-01	1.6E-01	0.16	4.7E-03	3.6E-03	NS
SVOC	Benzo(a)pyrene	9	2.3E-01	1.9E-01	6.5	1.7E-01	1.3E-01	6.5	1.7E-01	1.3E-01	0.15	3.8E-03	3.1E-03	NS
SVOC	Benzo(b)fluoranthene	11	2.8E-01	2.6E-01	7.3	1.8E-01	1.7E-01	8.7	2.2E-01	2.1E-01	0.19	4.8E-03	4.5E-03	NS
SVOC	Benzo(g,h,i)perylene	6.1	1.3E-01	2.2E-02	4.6	9.5E-02	1.6E-02	4.8	9.9E-02	1.7E-02	0.12	2.5E-03	4.3E-04	NS
SVOC	Benzo(k)fluoranthene	4.4	1.1E-01	1.1E-01	3.2	8.1E-02	8.0E-02	3.2	8.1E-02	8.0E-02	0.083	2.1E-03	2.1E-03	NS
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1,1'-Biphenyl	0.14	1.5E-02	1.4E-03	0.068	7.1E-03	6.8E-04	0.048	5.0E-03	4.8E-04	ND	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	0.31	9.0E-03	--	ND	--	--	NS
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Carbazole	2.4	2.4E-01	--	1.7	1.7E-01	--	1.2	1.2E-01	--	ND	--	--	NS
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Chrysene	9.7	2.9E-01	2.4E-01	6.4	1.9E-01	1.6E-01	6.6	1.9E-01	1.6E-01	0.14	4.1E-03	3.4E-03	NS
SVOC	Dibenzo(a,h)anthracene	1.7	3.7E-02	3.2E-02	0.98	2.1E-02	1.8E-02	1.1	2.4E-02	2.1E-02	ND	--	--	NS
SVOC	Dibenzofuran	1.3	1.2E-01	7.4E-03	0.67	6.2E-02	3.8E-03	0.52	4.8E-02	3.0E-03	ND	--	--	NS
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Fluoranthene	24	8.5E-01	6.3E-01	16	5.7E-01	4.2E-01	16	5.7E-01	4.2E-01	0.3	1.1E-02	7.8E-03	NS
SVOC	Fluorene	2.4	1.1E-01	8.9E-02	1.2	5.7E-02	4.4E-02	1	4.7E-02	3.7E-02	ND	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	5.4	1.2E-01	1.1E-01	4.2	9.2E-02	8.9E-02	4.3	9.4E-02	9.1E-02	0.11	2.4E-03	2.3E-03	NS
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1-Methylnaphthalene	0.23	2.7E-02	9.6E-03	0.13	1.5E-02	5.4E-03	0.091	1.0E-02	3.8E-03	ND	--	--	NS
SVOC	2-Methyl naphthalene	0.31	3.6E-02	1.4E-02	0.16	1.8E-02	7.1E-03	0.1	1.2E-02	4.4E-03	ND	--	--	NS
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Phenanthrene	18	7.8E-01	7.8E-01	11	4.7E-01	4.7E-01	10	4.3E-01	4.3E-01	0.19	8.2E-03	8.2E-03	NS
SVOC	Phenol	ND	--	--	0.047	9.4E-03	--	ND	--	--	ND	--	--	NS
SVOC	Pyrene	20	7.1E-01	3.7E-01	13	4.6E-01	2.4E-01	13	4.6E-01	2.4E-01	0.29	1.0E-02	5.4E-03	NS
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexanone	ND	--	--	ND	--	--	0.042	6.1E-03	--	NS	--	--	NS
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylene chloride	ND	--	--	0.006	1.3E-03	--	ND	--	--	NS	--	--	NS
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Toluene	ND	--	--	ND	--	--	0.002	1.1E-04	4.9E-05	NS	--	--	NS
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		4.7	3.4		3.1	2.2		3.0	2.1		5.5E-02	4.2E-02	
Sum of VOC TUs		0	0		1.3E-03	0		6.2E-03	4.9E-05		0	0	
Sum of total TUs		4.7	3.4		3.1	2.2		3.0	2.1		5.5E-02	4.2E-02	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	B121S1	TLM TUs	Narc TUs	B122B1	TLM TUs	Narc TUs	B122B10	TLM TUs	Narc TUs	B122B2	TLM TUs	Narc TUs	B122B3	TLM TUs
Group	Chemical	(TU)	(TU)	2/3/2010	(TU)	(TU)	12/4/2009	(TU)	(TU)	12/4/2009	(TU)	(TU)	12/8/2009	(TU)	(TU)	1/5/2010	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	3.2E-03
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	--	NS	--	--	0.005	1.0E-03	--	ND	--	--	0.004	8.4E-04	--	0.008	1.7E-03
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		3.2E-03
Sum of VOC TUs	0	0		0	0		1.0E-03	0		0	0		8.4E-04	0		1.7E-03
Sum of total TUs	0	0		0	0		1.0E-03	0		0	0		8.4E-04	0		4.9E-03

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B122B5 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B122B6 12/9/2009	TLM TUs (TU)	Narc TUs (TU)	B122B7 12/8/2009	TLM TUs (TU)	Narc TUs (TU)	B122B8 12/8/2009	TLM TUs (TU)	Narc TUs (TU)	B122B9 12/7/2009	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.0675	--
SVOC	PAHs (Low MW)	--	0.2675	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	0.4875	--	--	ND	--	--	ND	--	--	ND	--	--	1.2115	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	2.9E-03
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	2.8E-03
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.2	5.0E-03
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.054	1.1E-03
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.084	2.1E-03
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.13	3.8E-03
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	3.5E-03
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.049	1.1E-03
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	0.067	7.7E-03	2.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	0.09	1.0E-02	4.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22	7.8E-03
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	0.027	1.6E-03	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	0.012	1.4E-03	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.003	6.3E-04	--	0.003	6.3E-04	--	0.003	6.3E-04	--	ND	--	--	0.003	6.3E-04
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		1.8E-02	6.8E-03		0	0		0	0		0	0		3.0E-02
Sum of VOC TUs	0		6.3E-04	0		6.3E-04	0		6.3E-04	0		3.0E-03	0		6.3E-04
Sum of total TUs	0		1.9E-02	6.8E-03		6.3E-04	0		6.3E-04	0		3.0E-03	0		3.1E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B123B1	TLM TUs	Narc TUs	B123S1	TLM TUs	Narc TUs	B123S2	TLM TUs	Narc TUs	B123S3	TLM TUs	Narc TUs	B124135B1	TLM TUs
Group	Chemical	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	1/19/2010	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	0.268	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	0.4155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	2.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	2.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	4.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	1.9E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	2.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	3.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	2.6E-03	0.048	1.7E-03	1.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	4.1E-03	0.052	1.8E-03	9.7E-04	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Styrene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Toluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	2.2E-02		3.5E-03	2.2E-03		0	0		0	0		0	0		0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	2.2E-02		3.5E-03	2.2E-03		0	0		0	0		0	0		0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B124135B2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B3 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B4 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B5 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B7 1/20/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	0.38	7.6E-02	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		7.6E-02	0		0	0		0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	0		0	0		0	0		7.6E-02	0		0	0		0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B124135B8 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S3 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B1 1/26/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	0.095	2.8E-03	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	0.024	1.4E-03	--	0.1	5.8E-03	--	0.018	1.0E-03	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.0007	4.9E-05
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	0.006	7.1E-04	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		0	0		2.8E-03	0		0
Sum of VOC TUs	0		0	0		1.4E-03	0		6.5E-03	0		1.0E-03	0		4.9E-05
Sum of total TUs	0		0	0		1.4E-03	0		6.5E-03	0		3.8E-03	0		4.9E-05

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B125136B2 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B3 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S1 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S2 2/1/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	20.57	--	--	ND	--	--	0.245	--	--	0.749	--	--
SVOC	PAHs (Low MW)	--	8.881	--	--	ND	--	--	ND	--	--	0.233	--	--
SVOC	PAHs (total)	--	29.451	--	--	ND	--	--	0.399	--	--	0.982	--	--
SVOC	Acenaphthene	--	1.1	5.8E-02	5.5E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	1.6	6.8E-02	5.2E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	2.5	7.4E-02	5.6E-02	ND	--	--	ND	--	--	0.09	2.6E-03	2.0E-03
SVOC	Benzo(a)pyrene	--	1.6	4.1E-02	3.3E-02	ND	--	--	ND	--	--	0.065	1.7E-03	1.3E-03
SVOC	Benzo(b)fluoranthene	--	2	5.0E-02	4.7E-02	ND	--	--	ND	--	--	0.088	2.2E-03	2.1E-03
SVOC	Benzo(g,h,i)perylene	--	0.97	2.0E-02	3.5E-03	ND	--	--	ND	--	--	0.048	9.9E-04	1.7E-04
SVOC	Benzo(k)fluoranthene	--	0.92	2.3E-02	2.3E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	0.067	7.0E-03	6.7E-04	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	1.1	1.1E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	2.6	7.6E-02	6.3E-02	ND	--	--	ND	--	--	0.083	2.4E-03	2.0E-03
SVOC	Dibenzo(a,h)anthracene	--	0.32	6.9E-03	6.0E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	0.55	5.1E-02	3.1E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	4.8	1.7E-01	1.3E-01	ND	--	--	0.047	1.7E-03	1.2E-03	0.16	5.7E-03	4.2E-03
SVOC	Fluorene	--	0.91	4.3E-02	3.4E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	0.96	2.1E-02	2.0E-02	ND	--	--	ND	--	--	0.044	9.6E-04	9.3E-04
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	0.16	1.8E-02	6.7E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	0.29	3.3E-02	1.3E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	4.8	2.1E-01	2.1E-01	ND	--	--	ND	--	--	0.11	4.7E-03	4.7E-03
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	3.9	1.4E-01	7.3E-02	ND	--	--	ND	--	--	0.13	4.6E-03	2.4E-03
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Benzene	2.1E-05	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		1.2	8.2E-01		0	0		1.7E-03	1.2E-03		2.6E-02	2.0E-02
Sum of VOC TUs	2.1E-05		0	0		0	0		0	0		0	0
Sum of total TUs	2.1E-05		1.2	8.2E-01		0	0		1.7E-03	1.2E-03		2.6E-02	2.0E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B125136S3 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S4 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S5 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S6 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S7 2/1/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		B125136S8	TLM TUs	Narc TUs	B134S1	TLM TUs	Narc TUs	B134S2	TLM TUs	Narc TUs	B134S3	TLM TUs	Narc TUs	B134S4	TLM TUs	Narc TUs	B142B1
Group	Chemical	2/1/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	12/11/2009
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.225
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.445
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.12
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.18
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.069
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.072
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.059
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.069
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.19
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.014
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.003
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B142B2 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B142B2 1/27/2010	TLM TUs (TU)	Narc TUs (TU)	B142B3 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B142B4 12/11/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	0.032	9.1E-04	4.1E-04	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	0.006	9.2E-05	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	ND	--	--	NS	--	--	0.0011	2.2E-05	--	NS	--	--
PEST	4,4'-DDE	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	ND	--	--	NS	--	--	0.0029	5.0E-05	--	NS	--	--
PEST	Dieldrin	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	0.0307	6.0E-04	2.7E-04	NS	--	--	0.055	1.1E-03	4.9E-04	NS	--	--
PEST	Endosulfan sulfate	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	--	--	0.0025	4.7E-05	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	0.2	4.2E-03	1.8E-03	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	0.905	--	--	ND	--	--	0.27	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	0.225	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	1.13	--	--	ND	--	--	0.425	--	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	4.7E-03	3.6E-03	NS	--	--	0.12	3.5E-03	2.7E-03	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	3.1E-03	2.5E-03	NS	--	--	0.084	2.1E-03	1.7E-03	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	4.5E-03	4.3E-03	NS	--	--	0.12	3.0E-03	2.8E-03	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	1.4E-03	2.5E-04	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	1.8E-03	1.8E-03	NS	--	--	0.059	1.5E-03	1.5E-03	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	4.7E-03	3.9E-03	NS	--	--	0.12	3.5E-03	2.9E-03	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	5.7E-03	4.2E-03	NS	--	--	0.17	6.0E-03	4.4E-03	ND	--	--	0.047	1.7E-03	1.2E-03
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.3E-03	1.2E-03	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	3.0E-03	3.0E-03	NS	--	--	0.081	3.5E-03	3.5E-03	ND	--	--	ND	--	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	7.8E-03	4.1E-03	NS	--	--	0.16	5.7E-03	3.0E-03	ND	--	--	0.047	1.7E-03	8.8E-04
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	1.1E-02	--	ND	--	--	NS	--	--	0.053	3.1E-03	--	0.16	9.3E-03	--
VOC	Benzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	1.6E-03	--	ND	--	--	NS	--	--	ND	--	--	0.019	2.1E-03	--
VOC	n-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	0.38	3.5E-02	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	4.1E-04	--	ND	--	--	NS	--	--	0.002	2.8E-04	--	0.005	6.9E-04	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		5.8E-03	2.5E-03		0	0		1.2E-03	4.9E-04		0	0
Sum of SVOC TUs	3.8E-02	2.9E-02		0	0		2.9E-02	2.3E-02		0	0		3.3E-03	2.1E-03
Sum of VOC TUs	1.3E-02	0		3.5E-02	0		0	0		3.4E-03	0		1.2E-02	0
Sum of total TUs	5.1E-02	2.9E-02		4.1E-02	2.5E-03		2.9E-02	2.3E-02		4.5E-03	4.9E-04		1.5E-02	2.1E-03

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B143B1 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B143B2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B143B3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B144B1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B144S1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	0.0013	3.6E-05	7.1E-06	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	0.0016	2.5E-05	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	0.5155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	0.688	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28	4.4E-02	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	0.11	1.5E-02	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	0.054	1.6E-03	1.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	0.13	4.6E-03	3.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	0.16	5.7E-03	3.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	0.046	2.7E-03	--	0.027	1.6E-03	--	0.021	1.2E-03	--	ND	--	--	NS	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		6.0E-05	7.1E-06		0	0		0	0
Sum of SVOC TUs		1.2E-02	7.7E-03		0	0		1.5E-02	0		0	0		4.4E-02	0
Sum of VOC TUs		2.7E-03	0		1.6E-03	0		1.2E-03	0		0	0		0	0
Sum of total TUs		1.5E-02	7.7E-03		1.6E-03	0		1.6E-02	7.1E-06		0	0		4.4E-02	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B146B1 1/5/2010	TLM TUs (TU)	Narc TUs (TU)	B146B3 1/5/2010	TLM TUs (TU)	Narc TUs (TU)	B147B1 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B10 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B11 12/15/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	4.6E-05	2.0E-05
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0245	3.8E-04	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0028	4.8E-05	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	1.113	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	0.1735	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	1.2865	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	0.063	1.9E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	0.17	4.3E-03	3.5E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	0.23	5.8E-03	5.5E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	0.19	3.9E-03	6.8E-04	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	0.079	2.0E-03	2.0E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	0.095	2.8E-03	2.3E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	0.071	2.5E-03	1.9E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	0.12	2.6E-03	2.5E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	0.053	2.3E-03	2.3E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	0.2	4.0E-02	--	0.76	1.5E-01	--	0.16	3.2E-02	--
SVOC	Pyrene	ND	--	--	0.075	2.7E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	0.014	8.1E-04	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	0.005	1.0E-03	--	0.005	1.0E-03	--	0.004	8.4E-04	--	0.005	1.0E-03	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		4.7E-04	2.0E-05
Sum of SVOC TUs		0	0		3.1E-02	2.3E-02		4.0E-02	0		1.5E-01	0		3.2E-02	0
Sum of VOC TUs		0	0		1.0E-03	0		1.0E-03	0		1.7E-03	0		1.0E-03	0
Sum of total TUs		0	0		3.2E-02	2.3E-02		4.1E-02	0		1.5E-01	0		3.3E-02	2.0E-05

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B147B12 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B2 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B147B3 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B4 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B5 12/16/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.01	1.7E-04
PEST	beta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	NS	--	--	0.02	3.1E-04	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	NS	--	--	0.014	2.4E-04	--	NS	--	--	NS	--	--	0.00098	1.7E-05
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	NS	--	--	0.046	9.0E-04	4.1E-04	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin	NS	--	--	0.0065	1.2E-04	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (High MW)	0.5075	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	0.652	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	0.069	1.8E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	0.11	2.8E-03	2.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	0.1	2.1E-03	3.6E-04	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	0.049	1.2E-03	1.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	0.077	1.7E-03	1.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.05	2.9E-03	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.052	1.0E-02
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.007	1.5E-03	--	ND	--	--	0.005	1.0E-03	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	0.005	7.0E-04	1.5E-04	ND	--	--	ND	--	--	0.039	5.5E-03
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		1.6E-03	4.1E-04		0	0		0	0		1.9E-04
Sum of SVOC TUs		9.5E-03	7.2E-03		0	0		0	0		0	0		0
Sum of VOC TUs		1.5E-03	0		3.6E-03	1.5E-04		1.0E-03	0		0	0		1.6E-02
Sum of total TUs		1.1E-02	7.2E-03		5.2E-03	5.6E-04		1.0E-03	0		0	0		1.6E-02

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B147B6 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B147B7 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B8 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B9 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147S1 2/2/2012	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	0.0005	8.4E-06	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	0.0019	3.6E-05	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	0.0039	6.8E-05	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	0.04	7.8E-04	3.5E-04	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	0.099	1.6E-02	--	ND	--	--	ND	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	0.22	6.4E-03	--	0.14	4.1E-03	--	ND	--	--	ND	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenol	--	ND	--	--	0.2	4.0E-02	--	ND	--	--	0.22	4.4E-02	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Acetone	--	ND	--	--	0.029	1.7E-03	--	ND	--	--	ND	--	--	0.016	9.3E-04
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.007	7.8E-04
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.004	8.4E-04	--	0.004	8.4E-04	--	0.006	1.3E-03	--	0.004	8.4E-04	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	1.2E-03	ND	--	--	0.002	2.8E-04	6.1E-05	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		9.0E-04	3.5E-04		0	0		0	0		0
Sum of SVOC TUs	0		6.4E-03	0		5.9E-02	0		0	0		4.4E-02	0		0
Sum of VOC TUs	1.2E-03		8.4E-04	0		2.8E-03	6.1E-05		1.3E-03	0		8.4E-04	0		1.7E-03
Sum of total TUs	1.2E-03		7.2E-03	0		6.3E-02	4.2E-04		1.3E-03	0		4.5E-02	0		1.7E-03

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B147S2 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B148B1 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B148B2 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B148B3 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B149B1 1/14/2010
PEST	Aldrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	0.00062	9.5E-06	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	0.0012	2.4E-05	1.1E-05	0.0022	4.3E-05	2.0E-05	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	0.001	3.5E-05	--	ND	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
SVOC	Chrysene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	1.4
SVOC	Pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	0.064	3.7E-03	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	0.003	3.6E-04	--	ND	--	--	0.003	3.6E-04	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	0.007	1.5E-03	--	0.014	2.9E-03	--	0.006
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	0.066	9.3E-03	2.0E-03	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		5.8E-05	1.1E-05		5.3E-05	2.0E-05		0	0	
Sum of SVOC TUs	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0		1.3E-02	2.0E-03		0	0		1.8E-03	0		2.9E-03	0	
Sum of total TUs	0		1.3E-02	2.0E-03		5.8E-05	1.1E-05		1.9E-03	2.0E-05		2.9E-03	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B149B2 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B3 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B4 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B5 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149S1 1/14/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	2.8E-01	--	0.51	1.0E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylene chloride	1.3E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	2.8E-01	0		1.0E-01	0		0	0		0	0		0	0		0
Sum of VOC TUs	1.3E-03	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	2.8E-01	0		1.0E-01	0		0	0		0	0		0	0		0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B150151B1 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B2 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B3 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B152S1 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B152S2 1/11/2010
PEST	Aldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	0.00051	7.8E-06	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	0.0026	5.1E-05	2.3E-05	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	0.00038	7.1E-06	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	6.883	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	0.305	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	7.188	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	0.052	5.6E-03	4.5E-04	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	0.14	6.0E-03	4.5E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	0.66	1.9E-02	1.5E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	0.35	8.9E-03	7.2E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	0.91	2.3E-02	2.2E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	0.17	3.5E-03	6.0E-04	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	0.43	1.1E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	0.17	1.7E-02	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	1	2.9E-02	2.4E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	0.063	1.4E-03	1.2E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	1.5	5.3E-02	3.9E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	0.2	4.4E-03	4.2E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	1.6	5.7E-02	3.0E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	0.002	2.4E-04	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylene chloride	--	0.008	1.7E-03	--	0.007	1.5E-03	--	0.007	1.5E-03	--	NS	--	--	NS
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS

Sum of Pesticide TUs	0		0	0		6.6E-05	2.3E-05		0	0		0	0	
Sum of SVOC TUs	0		2.4E-01	1.6E-01		0	0		0	0		0	0	
Sum of VOC TUs	0		1.9E-03	0		1.5E-03	0		1.5E-03	0		0	0	
Sum of total TUs	0		2.4E-01	1.6E-01		1.5E-03	2.3E-05		1.5E-03	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B152S3 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B153B1 12/21/2009	TLM TUs (TU)	Narc TUs (TU)	B153B2 12/21/2009	TLM TUs (TU)	Narc TUs (TU)	B153B3 12/21/2009	TLM TUs (TU)	Narc TUs (TU)	B153S1 12/21/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.00059	1.6E-05	3.2E-06	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	3.1E-05	1.4E-05	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	0.0031	5.8E-05	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	0.72	1.4E-01	--	ND
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.016
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	--	NS	--	--	0.012	2.5E-03	--	0.005	1.0E-03	--	0.021	4.4E-03	--	0.014
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		1.1E-04	1.7E-05	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		1.4E-01	0	
Sum of VOC TUs	0	0		0	0		2.5E-03	0		1.0E-03	0		4.4E-03	0	
Sum of total TUs	0	0		0	0		2.5E-03	0		1.0E-03	0		1.5E-01	1.7E-05	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B154B1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B154S1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B154S2 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B155B1 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B155B2 1/7/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0025	4.9E-05
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	9.3E-04	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	0.016	9.3E-04
VOC	Benzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	2.9E-03	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		4.9E-05
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of VOC TUs	3.9E-03	0		0	0		0	0		0	0		0	0		9.3E-04
Sum of total TUs	3.9E-03	0		0	0		0	0		0	0		0	0		9.8E-04

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B155B3 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155B4 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155S1 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B155S2 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B156B1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	2.2E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.32	5.1E-02	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	0.1	1.3E-02	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	0.018	1.0E-03	--	ND	--	--	NS	--	--	NS	--	--	0.01	5.8E-04	--
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.001	1.4E-04	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.002	2.4E-04	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methylene chloride	--	0.002	4.2E-04	--	0.005	1.0E-03	--	NS	--	--	NS	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--

Sum of Pesticide TUs	2.2E-05		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		0	0		0	0		0	0		1.3E-02	0		5.1E-02	0
Sum of VOC TUs	0		1.5E-03	0		1.0E-03	0		0	0		0	0		9.6E-04	0
Sum of total TUs	2.2E-05		1.5E-03	0		1.0E-03	0		0	0		1.3E-02	0		5.2E-02	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B156S1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	B156S2 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	BERS1 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BGS10S1 12/10/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	BGS11S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS12S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS1S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS2S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS3S1 12/9/2010
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	BGS4S1	TLM TUs	Narc TUs	BGS5S1	TLM TUs	Narc TUs	BGS6S1	TLM TUs	Narc TUs	BGS7S1	TLM TUs	Narc TUs	BGS8S1
Group	Chemical	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/10/2010	(TU)	(TU)	12/10/2010
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	BGS9S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BORROWAREAS1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BPB1 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	BPB2 1/26/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	0.25	7.2E-03	--	0.16	4.6E-03	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	0.84	4.6E-02	5.8E-03	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	0.0009	6.3E-05	2.7E-05
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	0.002	1.1E-04	4.9E-05
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		5.3E-02	5.8E-03		4.6E-03	0
Sum of VOC TUs	0	0		0	0		0	0		0	0		1.8E-04	7.6E-05
Sum of total TUs	0	0		0	0		0	0		5.3E-02	5.8E-03		4.8E-03	7.6E-05

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	BPS1 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	BPS2 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	BVLS1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B2 1/19/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B3 1/19/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	30.89	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	11.103	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	41.993	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	1.4	7.4E-02	7.0E-02	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.4	6.0E-02	4.5E-02	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	3.3	9.7E-02	7.4E-02	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	2.3	5.9E-02	4.7E-02	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	3	7.6E-02	7.1E-02	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	1.4	2.9E-02	5.0E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	1.3	3.3E-02	3.3E-02	ND	--	--
SVOC	Benzoic acid	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	0.08	8.3E-03	8.0E-04	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	1	1.0E-01	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	0.61	8.2E-02	--	0.92	1.2E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	1.8	1.8E-01	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	3.6	1.1E-01	8.8E-02	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.39	8.4E-03	7.3E-03	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.63	5.8E-02	3.6E-03	ND	--	--
SVOC	Diethylphthalate	0.1	8.4E-03	1.0E-03	0.79	6.7E-02	8.1E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	0.11	6.0E-03	7.6E-04	0.13	7.1E-03	9.0E-04	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	8.4	3.0E-01	2.2E-01	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.83	3.9E-02	3.1E-02	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	1.3	2.8E-02	2.7E-02	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.14	1.6E-02	5.8E-03	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.21	2.4E-02	9.3E-03	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	7.1	3.1E-01	3.1E-01	ND	--	--
SVOC	Phenol	0.72	1.4E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	5.9	2.1E-01	1.1E-01	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	NS	--	--	0.008	4.6E-04	--	ND	--	--
VOC	Benzene	0.0009	6.3E-05	2.7E-05	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	NS	--	--	0.007	1.5E-03	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs		4.2E-01	1.8E-03		2.0E-01	9.0E-03		0	0		1.6	1.2		0	0
Sum of VOC TUs		6.3E-05	2.7E-05		0	0		0	0		1.9E-03	0		0	0
Sum of total TUs		4.2E-01	1.8E-03		2.0E-01	9.0E-03		0	0		1.6	1.2		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		DA23B4	TLM TUs	Narc TUs	DA23B5	TLM TUs	Narc TUs	DA23B6	TLM TUs	Narc TUs	DA23S1	TLM TUs	Narc TUs	Debris Area 1S1	TLM TUs
Group	Chemical	12/15/2010	(TU)	(TU)	12/15/2010	(TU)	(TU)	1/3/2012	(TU)	(TU)	1/19/2010	(TU)	(TU)	1/11/2010	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	0.0021	3.2E-05	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.025	4.9E-04	2.2E-04	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.00045	8.9E-06	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Acetone	0.031	1.8E-03	--	NS	--	--	ND	--	--	NS	--	--	0.05	2.9E-03
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	p-Isopropyltoluene	0.002	2.4E-04	--	0.003	3.6E-04	--	ND	--	--	NS	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	0.009	1.7E-03	--	NS	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		0	0		5.3E-04	2.2E-04		0
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0
Sum of VOC TUs		2.0E-03	0		3.6E-04	0		1.7E-03	0		0	0		2.9E-03
Sum of total TUs		2.0E-03	0		3.6E-04	0		1.7E-03	0		5.3E-04	2.2E-04		2.9E-03

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	Debris Area 1S2 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	Debris Area 1S3 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S10 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S12 12/20/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Acetone	--	ND	--	--	0.075	4.4E-03	--	NS	--	--	NS	--
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methylene chloride	--	0.003	6.3E-04	--	ND	--	--	NS	--	--	NS	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		0	0		0
Sum of VOC TUs	0		6.3E-04	0		4.4E-03	0		0	0		0
Sum of total TUs	0		6.3E-04	0		4.4E-03	0		0	0		0

Group	Chemical	Narc TUs (TU)	DEBRISAREA1S13 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S14 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S15 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S16 1/3/2011
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0		0	0		0	0		0	0	
Sum of SVOC TUs	0		0	0		0	0		0	0	
Sum of VOC TUs	0		0	0		0	0		0	0	
Sum of total TUs	0		0	0		0	0		0	0	

		TLM TUs	Narc TUs	DEBRISAREA1S17	TLM TUs	Narc TUs	DEBRISAREA1S18	TLM TUs	Narc TUs	DEBRISAREA1S19	TLM TUs	Narc TUs
Group	Chemical	(TU)	(TU)	1/3/2011	(TU)	(TU)	1/3/2011	(TU)	(TU)	1/3/2011	(TU)	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		0	0
Sum of VOC TUs	0	0		0	0		0	0		0	0
Sum of total TUs	0	0		0	0		0	0		0	0

		DEBRISAREA1S4	TLM TUs	Narc TUs	DEBRISAREA1S5	TLM TUs	Narc TUs	DEBRISAREA1S6	TLM TUs	Narc TUs	DEBRISAREA1S6	TLM TUs	Narc TUs
Group	Chemical	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	DEBRISAREA1S6 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S8 1/3/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		DEBRISAREA1S9	TLM TUs	Narc TUs	DEBRISAREAS11	TLM TUs	Narc TUs	DUMPS1	TLM TUs	Narc TUs	DUMPTP1	TLM TUs	Narc TUs	DUMPTP3
Group	Chemical	1/3/2011	(TU)	(TU)	12/20/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	4/7/2010	(TU)	(TU)	4/7/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.472
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.64
SVOC	Acenaphthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.049
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.065
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.056
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.059
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.073
SVOC	Fluorene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.074
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	DUMPTP5	TLM TUs	Narc TUs	PSOB1	TLM TUs	Narc TUs	TAS1	TLM TUs	Narc TUs	TAS2	TLM TUs	Narc TUs	TAS3
Group	Chemical	(TU)	(TU)	4/7/2010	(TU)	(TU)	1/19/2010	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	1.2E-03	1.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	1.6E-03	1.5E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	1.2E-03	2.0E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	1.7E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	2.6E-03	1.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	2.6E-03	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	0.007	1.5E-03	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	1.1E-02	7.5E-03		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		1.5E-03	0		0	0		0	0	
Sum of total TUs	1.1E-02	7.5E-03		0	0		1.5E-03	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	TAS4	TLM TUs	Narc TUs	TAS5	TLM TUs	Narc TUs	TAS6	TLM TUs	Narc TUs	TAS7	TLM TUs	Narc TUs	TAS8
Group	Chemical	(TU)	(TU)	11/24/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	11/24/2009	(TU)	(TU)	11/24/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	TRA1S1 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S2 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S3 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S4 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S1 2/9/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of total TUs	0	0		0	0		0	0		0	0		0	0		0	0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TRA2S2 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S3 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S4 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S5 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S6 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S1 2/10/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.25	3.9E-02	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		3.9E-02	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		3.9E-02	0	

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	TRA3S10 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S2 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S3 2/11/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S4 2/11/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S5 2/10/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	0.39	6.2E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0	0		6.2E-02	0		0	0		0	0		0	0		0
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	0	0		6.2E-02	0		0	0		0	0		0	0		0

M5-4A Surface Soil EqP Toxic Units at 5% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	TRA3S6	TLM TUs	Narc TUs	TRA3S7	TLM TUs	Narc TUs	TRA3S8	TLM TUs	Narc TUs	TRA3S9	TLM TUs	Narc TUs
Group	Chemical	(TU)	2/10/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/10/2010	(TU)	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		0	0		0	0		0	0		0	0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0
Sum of total TUs	0		0	0		0	0		0	0		0	0

CASRN	Group	Chemical	TLM WQB (mg/L)	Narcosis SCV or FCV WQB (mg/L)	Log Kow	Log Koc	Soil Quality Benchmark (TLM) (mg/kg)	Soil Quality Benchmark (Narc) (mg/kg)	APDA789B1 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B2 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B3 1/22/2010	TLM TUs (TU)	Narc TUs (TU)
309-00-2	PEST	Aldrin	4.8E-04	no value	6.5E+00	6.4E+00	3.6E+01	--	ND	--	--	12	3.4E-01	--	ND	--	--
319-85-7	PEST	beta-BHC	1.3E-01	3.1E-01	3.8E+00	3.7E+00	2.1E+01	5.2E+01	ND	--	--	ND	--	--	ND	--	--
319-86-8	PEST	delta-BHC	6.2E-02	3.1E-01	4.1E+00	4.1E+00	2.2E+01	1.1E+02	ND	--	--	ND	--	--	ND	--	--
58-89-9	PEST	Lindane	1.5E-01	3.4E-01	3.7E+00	3.7E+00	2.1E+01	4.7E+01	ND	--	--	ND	--	--	ND	--	--
57-74-9	PEST	Chlordane (total)	8.0E-04	no value	6.3E+00	6.2E+00	3.9E+01	--	ND	--	--	ND	--	--	ND	--	--
72-54-8	PEST	4,4'-DDD	1.0E-03	no value	6.1E+00	6.0E+00	3.0E+01	--	ND	--	--	ND	--	--	ND	--	--
72-55-9	PEST	4,4'-DDE	2.4E-04	no value	6.8E+00	6.6E+00	3.2E+01	--	ND	--	--	ND	--	--	ND	--	--
50-29-3	PEST	4,4'-DDT	4.4E-04	no value	6.5E+00	6.4E+00	3.5E+01	--	ND	--	--	ND	--	--	ND	--	--
60-57-1	PEST	Dieldrin	5.8E-03	no value	5.4E+00	5.3E+00	3.3E+01	--	ND	--	--	ND	--	--	ND	--	--
115-29-7	PEST	Endosulfan	9.5E-02	2.1E-01	4.1E+00	4.0E+00	3.1E+01	6.8E+01	ND	--	--	ND	--	--	ND	--	--
1031-07-8	PEST	Endosulfan sulfate	2.5E-01	no value	3.7E+00	3.6E+00	3.0E+01	--	ND	--	--	ND	--	--	ND	--	--
72-20-8	PEST	Endrin	1.1E-02	no value	5.1E+00	5.0E+00	3.2E+01	--	ND	--	--	ND	--	--	ND	--	--
7421-93-4	PEST	Endrin aldehyde	2.1E-02	no value	4.8E+00	4.7E+00	3.1E+01	--	ND	--	--	ND	--	--	ND	--	--
1024-57-3	PEST	Heptachlor epoxide	1.3E-02	no value	5.0E+00	4.9E+00	3.2E+01	--	ND	--	--	ND	--	--	0.00091	2.8E-05	--
72-43-5	PEST	Methoxychlor	9.8E-03	2.2E-02	5.1E+00	5.0E+00	2.9E+01	6.5E+01	ND	--	--	ND	--	--	ND	--	--
93-76-5	PEST	2,4,5-T	4.8E-01	no value	3.1E+00	3.1E+00	1.7E+01	--	NS	--	--	NS	--	--	NS	--	--
130498-29-2H	SVOC	PAHs (High MW)	--	--	--	--	--	--	ND	--	--	ND	--	--	ND	--	--
130498-29-2L	SVOC	PAHs (Low MW)	--	--	--	--	--	--	ND	--	--	ND	--	--	ND	--	--
130498-29-2	SVOC	PAHs (total)	--	--	--	--	--	--	ND	--	--	ND	--	--	ND	--	--
83-32-9	SVOC	Acenaphthene	5.3E-02	5.6E-02	3.9E+00	3.9E+00	1.1E+01	1.2E+01	ND	--	--	ND	--	--	ND	--	--
208-96-8	SVOC	Acenaphthylene	2.5E-02	3.1E-01	3.9E+00	3.9E+00	5.6E+00	6.9E+01	ND	--	--	ND	--	--	ND	--	--
98-86-2	SVOC	Acetophenone	3.2E+00	no value	1.6E+00	1.6E+00	4.0E+00	--	ND	--	--	ND	--	--	ND	--	--
62-53-3	SVOC	Aniline	1.1E+01	no value	9.0E-01	8.8E-01	4.5E+00	--	ND	--	--	ND	--	--	ND	--	--
120-12-7	SVOC	Anthracene	1.6E-02	2.1E-02	4.6E+00	4.5E+00	1.4E+01	1.8E+01	ND	--	--	ND	--	--	ND	--	--
56-55-3	SVOC	Benzo(a)anthracene	1.7E-03	2.2E-03	5.7E+00	5.6E+00	2.0E+01	2.7E+01	ND	--	--	ND	--	--	ND	--	--
50-32-8	SVOC	Benzo(a)pyrene	7.7E-04	9.6E-04	6.1E+00	6.0E+00	2.4E+01	2.9E+01	ND	--	--	ND	--	--	ND	--	--
205-99-2	SVOC	Benzo(b)fluoranthene	6.4E-04	6.8E-04	6.2E+00	6.1E+00	2.4E+01	2.5E+01	ND	--	--	ND	--	--	ND	--	--
191-24-2	SVOC	Benzo(g,h,i)perylene	7.6E-05	4.4E-04	7.2E+00	7.1E+00	2.9E+01	1.7E+02	ND	--	--	ND	--	--	ND	--	--
207-08-9	SVOC	Benzo(k)fluoranthene	6.4E-04	6.4E-04	6.2E+00	6.1E+00	2.4E+01	2.4E+01	ND	--	--	ND	--	--	ND	--	--
65-85-0	SVOC	Benzoic acid	1.8E+00	no value	1.9E+00	1.8E+00	3.9E+00	--	ND	--	--	ND	--	--	ND	--	--
92-52-4	SVOC	1,1'-Biphenyl	1.8E-02	1.9E-01	4.1E+00	4.0E+00	5.8E+00	6.0E+01	ND	--	--	ND	--	--	ND	--	--
117-81-7	SVOC	bis (2-Ethylhexyl) phthalate	4.6E-05	no value	7.3E+00	7.2E+00	2.1E+01	--	ND	--	--	ND	--	--	ND	--	--
85-68-7	SVOC	Butylbenzylphthalate	7.4E-03	5.8E-02	4.8E+00	4.8E+00	1.3E+01	1.0E+02	ND	--	--	ND	--	--	ND	--	--
86-74-8	SVOC	Carbazole	5.8E-02	no value	3.6E+00	3.5E+00	5.9E+00	--	ND	--	--	ND	--	--	ND	--	--
59-50-7	SVOC	4-Chloro-3-methylphenol	1.4E-01	no value	3.1E+00	3.0E+00	4.8E+00	--	ND	--	--	ND	--	--	ND	--	--
89-98-5	SVOC	ortho-Chlorobenzaldehyde	7.1E-01	no value	2.4E+00	2.3E+00	4.5E+00	--	ND	--	--	ND	--	--	ND	--	--
2698-41-1	SVOC	CS	3.9E-01	no value	2.8E+00	2.7E+00	6.2E+00	--	ND	--	--	ND	--	--	ND	--	--
218-01-9	SVOC	Chrysene	1.7E-03	2.0E-03	5.7E+00	5.6E+00	2.0E+01	2.5E+01	ND	--	--	ND	--	--	ND	--	--
53-70-3	SVOC	Dibenzo(a,h)anthracene	2.4E-04	2.8E-04	6.7E+00	6.6E+00	2.8E+01	3.2E+01	ND	--	--	ND	--	--	ND	--	--
132-64-9	SVOC	Dibenzofuran	1.0E-02	1.7E-01	4.4E+00	4.3E+00	6.5E+00	1.1E+02	ND	--	--	ND	--	--	ND	--	--
84-66-2	SVOC	Diethylphthalate	8.1E-01	6.7E+00	2.5E+00	2.5E+00	7.2E+00	5.9E+01	ND	--	--	ND	--	--	ND	--	--
131-11-3	SVOC	Dimethyl phthalate	2.8E+00	no value	1.9E+00	1.8E+00	6.3E+00	--	ND	--	--	ND	--	--	ND	--	--
84-74-2	SVOC	Dibutyl phthalate	1.1E-02	8.5E-02	4.6E+00	4.5E+00	1.1E+01	8.7E+01	ND	--	--	ND	--	--	ND	--	--
122-66-7	SVOC	1,2-Diphenylhydrazine	2.6E-01	no value	2.9E+00	2.9E+00	6.1E+00	--	ND	--	--	ND	--	--	ND	--	--
206-44-0	SVOC	Fluoranthene	5.2E-03	7.1E-03	5.1E+00	5.0E+00	1.7E+01	2.3E+01	ND	--	--	ND	--	--	ND	--	--
86-73-7	SVOC	Fluorene	3.1E-02	3.9E-02	4.2E+00	4.1E+00	1.3E+01	1.6E+01	ND	--	--	ND	--	--	ND	--	--
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene	2.6E-04	2.8E-04	6.7E+00	6.5E+00	2.7E+01	2.8E+01	ND	--	--	ND	--	--	ND	--	--
119-61-9	SVOC	Benzophenone	2.9E-02	no value	4.0E+00	3.9E+00	6.7E+00	--	ND	--	--	ND	--	--	ND	--	--
90-12-0	SVOC	1-Methylnaphthalene	2.7E-02	7.5E-02	3.9E+00	3.8E+00	5.2E+00	1.4E+01	ND	--	--	ND	--	--	ND	--	--
91-57-6	SVOC	2-Methyl naphthalene	2.8E-02	7.2E-02	3.9E+00	3.8E+00	5.2E+00	1.4E+01	ND	--	--	ND	--	--	ND	--	--
99-09-2	SVOC	3-Nitroaniline	5.8E+00	no value	1.4E+00	1.3E+00	5.0E+00	--	ND	--	--	ND	--	--	ND	--	--
85-01-8	SVOC	Phenanthrene	1.9E-02	1.9E-02	4.5E+00	4.4E+00	1.4E+01	1.4E+01	ND	--	--	ND	--	--	ND	--	--
108-95-2	SVOC	Phenol	3.1E+00	no value	1.5E+00	1.5E+00	3.3E+00	--	ND	--	--	ND	--	--	1.7	5.2E-01	--
129-00-0	SVOC	Pyrene	5.4E-03	1.0E-02	5.1E+00	5.0E+00	1.7E+01	3.2E+01	ND	--	--	ND	--	--	ND	--	--
88-06-2	SVOC	2,4,6-Trichlorophenol	5.4E-02	no value	3.7E+00	3.6E+00	7.1E+00	--	ND	--	--	ND	--	--	ND	--	--
67-64-1	VOC	Acetone	7.8E+01	no value	-2.4E-01	-2.4E-01	1.6E+01	--	ND	--	--	ND	--	--	ND	--	--
71-43-2	VOC	Benzene	2.2E+00	5.3E+00	2.1E+00	2.1E+00	8.7E+00	2.1E+01	0.0006	6.9E-05	2.9E-05	ND	--	--	ND	--	--
78-93-3	VOC	2-Butanone	3.2E+01	no value	2.8E-01	2.8E-01	7.8E+00	--	ND	--	--	ND	--	--	ND	--	--
104-51-8	VOC	n-Butylbenzene	1.3E-02	no value	4.2E+00	4.1E+00	5.1E+00	--	ND	--	--	ND	--	--	ND	--	--
135-98-8	VOC	sec-Butylbenzene	1.2E-02	no value	4.2E+00	4.2E+00	5.1E+00	--	ND	--	--	ND	--	--	ND	--	--
98-06-6	VOC	tert-Butylbenzene	1.5E-02	no value	4.1E+00	4.0E+00	5.0E+00	--	ND	--	--	ND	--	--	ND	--	--
98-82-8	VOC	Isopropylbenzene	5.1E-02	no value	3.5E+00	3.4E+00	4.2E+00	--	ND	--	--	ND	--	--	ND	--	--
110-82-7	VOC	Cyclohexane	4.1E-02	no value	3.4E+00	3.4E+00	2.9E+00	--	ND	--	--	ND	--	--	ND	--	--
108-94-1	VOC	Cyclohexanone	1.4E+01	no value	8.1E-01	8.0E-01	5.2E+00	--	ND	--	--	ND	--	--	ND	--	--
99-87-6	VOC	p-Isopropyltoluene	1.6E-02	no value	4.1E+00	4.0E+00	5.0E+00	--	ND	--	--	ND	--	--	ND	--	--
107-06-2	VOC	1,2-Dichloroethane	3.3E+00	no value	1.5E+00	1.4E+00	3.4E+00	--	ND	--	--	ND	--	--	ND	--	--
156-59-2	VOC	cis-1,2-Dichloroethene	1.4E+00	no value	1.9E+00	1.8E+00	3.1E+00	--	ND	--	--	ND	--	--	ND	--	--
156-60-5	VOC	trans-1,2-Dichloroethene	9.0E-01	no value	2.1E+00	2.0E+00	3.1E+00	--	ND	--	--	ND	--	--	ND	--	--
100-41-4	VOC	Ethylbenzene	9.8E-02	7.9E-01	3.1E+00	3.1E+00	3.6E+00	2.9E+01	ND	--	--	ND	--	--	ND	--	--
591-78-6	VOC	2-Hexanone	4.1E+00	no value	1.4E+00	1.4E+00	3.6E+00	--	ND	--	--	ND	--	--	ND	--	--
79-20-9	VOC	Methyl acetate	4.0E+01	no value	1.8E-01	1.8E-01	9.5E+00	--	ND	--	--	ND	--	--	ND	--	--
108-87-2	VOC	Methylcyclohexane	1.3E-01	no value	3.0E+00	2.9E+00	3.3E+00	--	ND	--	--	ND	--	--	ND	--	--
75-09-2	VOC	Methylene chloride	4.6E+00	no value	1.3E+00	1.2E+00	3.2E+00	--	ND	--	--	ND	--	--	ND	--	--
91-20-3	VOC	Naphthalene	7.4E-02	1.9E-01	3.4E+00	3.3E+00	4.5E+00	1.2E+01	ND	--	--	ND	--	--	ND	--	--
103-65-1	VOC	n-Propyl benzene	3.5E-02	no value	3.7E+00	3.6E+00	4.3E+00	--	ND	--	--	ND	--	--	ND	--	--
100-42-5	VOC	Styrene	1.5E-01	no value	2.9E+00	2.9E+00	3.5E+00	--	ND	--	--	ND	--	--	ND	--	--
75-65-0	VOC	t-Butyl alcohol	2.8E+01	no value	3.5E-01	3.4E-01	7.2E+00	--	ND	--	--	ND	--	--	ND	--	--
127-18-4	VOC	Tetrachloroethylene	4.2E-01	2.0E+00	2.7E+00	2.6E+00	5.4E+00	2.6E+01	ND	--	--	ND	--	--	ND	--	--
108-88-3	VOC	Toluene	6.9E-01	1.6E+00	2.8E+00	2.7E+00	1.1E+01	2.5E+01	0.002	1.9E-04	8.1E-05	0.002	1.9E-04	8.1E-05	ND	--	--
79-01-6	VOC	Trichloroethylene	3.1E-01	1.4E+00	2.7E+00	2.7E+00	4.3E+00	2.0E+01	ND	--	--	ND	--	--	ND	--	--
95-63-6	VOC	1,2,4-Trimethylbenzene	2.8E-02	no value	3.8E+00	3.7E+00	4.4E+00	--	ND	--	--	ND	--	--	ND	--	--
108-67-8	VOC	1,3,5-Trimethylbenzene	1.7E-02	no value	4.0E+00	3.9E+00	4.5E+00	--	ND	--	--	ND	--	--	ND	--	--
75-01-4	VOC	Vinyl chloride	2.0E+00	no value	1.5E+00	1.5E+00	2.1E+00	--	ND	--	--	ND	--	--	ND	--	--
1330-20-7	VOC	Xylenes (total)	9.2E-02	no value	3.2E+00	3.1E+00	3.6E+00	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		3.4E-01	0		2.8E-05	0
Sum of SVOC TUs	0	0		0	0		5.2E-01	0
Sum of VOC TUs	2.6E-04	1.1E-04		1.9E-04	8.1E-05		0	0
Sum of total TUs	2.6E-04	1.1E-04		3.4E-01	8.1E-05		5.2E-01	0

0.191	Soil moisture θm
0.03	Soil foc
0.999	Water density ρw

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	APDA789B4 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B5 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B6 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B7 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B8 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789S1 12/15/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	beta-BHC	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.0045	2.0E-04	4.1E-05	NS	--	--
PEST	Lindane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	0.0018	4.6E-05	--	ND	--	--	ND	--	--	0.0032	8.2E-05	--	0.0017	4.3E-05	--	NS	--	--
PEST	4,4'-DDD	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	ND	--	--	0.00046	1.5E-05	6.8E-06	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endosulfan sulfate	ND	--	--	ND	--	--	0.0013	4.3E-05	--	ND	--	--	0.0031	1.0E-04	--	NS	--	--
PEST	Endrin	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	ND	--	--	0.0031	9.6E-05	--	0.00043	1.3E-05	--	ND	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.0069	2.4E-04	1.1E-04	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Aniline	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14	3.1E-02	--	NS	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.39	6.3E-02	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Acetone	ND	--	--	ND	--	--	0.015	9.2E-04	--	ND	--	--	ND	--	--	NS	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	0.001	1.1E-04	4.8E-05	ND	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Toluene	0.002	1.9E-04	8.1E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
	Sum of Pesticide TUs		4.6E-05	0		1.1E-04	6.8E-06		5.6E-05	0		8.2E-05	0		5.9E-04	1.5E-04		0	0
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		9.4E-02	0		0	0
	Sum of VOC TUs		1.9E-04	8.1E-05		0	0		9.2E-04	0		1.1E-04	4.8E-05		0	0		0	0
	Sum of total TUs		2.3E-04	8.1E-05		1.1E-04	6.8E-06		9.8E-04	0		2.0E-04	4.8E-05		9.5E-02	1.5E-04		0	0

Soil quality benchmarks are calculated as:

$$SQB\left(\frac{ug}{kg}\right) = WQB\left(\frac{ug}{L}\right) x \left[foc\ x\ Koc + \left(\frac{\theta m}{\rho w}\right)\right]$$

Where:
SQB = Soil or Sediment Quality Benchmark (ug/kg)
WQB =Water Quality Benchmark (ug/L) from TLM.
foc =Organic carbon fraction (kg organic carbon/kg soil or sediment).
Kow = octanol-water partition coefficient (L/kg). Specific to each chemical.
Log Koc = 0.00028 + 0.983 x log Kow (USEPA 2008)

Koc = Organic carbon partition coefficient (L/kg). Specific to each chemical.
θm = Moisture content of soil or sediment expressed as a fraction. Average of 19.1 for the soil samples in the top 1 foot.
ρw = Density of water (kg/L) at mean annual temperature of site. Annual mean air temperature in Asheville is 12.7C. The density of freshwater at this temperature is 0.999 g/cm3 or kg/L.

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	APDA789S2 12/15/2010	TLM TUs (TU)	Narc TUs (TU)	B103B1 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B103B2 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B103B3 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B1 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B2 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	0.00026	7.3E-06	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0061	1.7E-04	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.04	1.9E-03	7.7E-04
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.066	3.0E-03	6.0E-04
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0095	4.5E-04	2.0E-04
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0074	1.9E-04	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0097	3.1E-04	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.05	1.7E-03	7.7E-04
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	1.472	--	--	ND	--	--	0.216	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	NS	--	--	0.4165	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	NS	--	--	1.8885	--	--	ND	--	--	0.3495	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	0.066	4.7E-03	3.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	NS	--	--	0.17	8.3E-03	6.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	NS	--	--	0.12	5.1E-03	4.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	0.17	7.1E-03	6.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	0.068	2.3E-03	4.0E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	0.057	2.4E-03	2.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.4	6.8E-02	--
SVOC	Butylbenzylphthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	NS	--	--	0.15	7.4E-03	6.1E-03	ND	--	--	0.045	2.2E-03	1.8E-03	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	NS	--	--	0.34	2.0E-02	1.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	0.067	2.4E-03	2.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	NS	--	--	0.25	1.8E-02	1.8E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	NS	--	--	ND	--	--	ND	--	--	0.96	3.0E-01	--	ND	--	--	ND	--	--
SVOC	Pyrene	NS	--	--	0.31	1.8E-02	9.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.085	1.2E-02	--
VOC	Acetone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	NS	--	--	0.005	1.6E-03	--	0.007	2.2E-03	--	0.003	9.3E-04	--	ND	--	--	ND	--	--
VOC	Naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Sum of Pesticide TUs			7.3E-06	0		0	0		0	0		0	0		0	0		7.7E-03	2.3E-03
Sum of SVOC TUs			0	0		9.6E-02	7.4E-02		0	0		3.0E-01	1.8E-03		0	0		8.0E-02	0
Sum of VOC TUs			0	0		1.6E-03	0		2.2E-03	0		9.3E-04	0		0	0		0	0
Sum of total TUs			7.3E-06	0		9.8E-02	7.4E-02		2.2E-03	0		3.0E-01	1.8E-03		0	0		8.7E-02	2.3E-03

ND	Not detected
SVOCs	Semivolatile organic compounds
TU	Toxic units
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

Group	Chemical	B104145B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B4 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B5 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B6 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B7 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B8 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	0.029	1.4E-03	5.6E-04	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.099	3.2E-03	1.5E-03	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.45	1.5E-02	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	0.0051	1.6E-04	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1755	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.3905	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	0.25	6.4E-02	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.046	8.8E-03	3.4E-03
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	2.5	7.7E-01	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	0.014	8.6E-04	--	ND	--	--	ND	--	--	ND	--	--	0.012	7.4E-04	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	0.005	1.6E-03	--	ND	--	--	ND	--	--	0.003	9.3E-04	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	1.9E-04	8.1E-05	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		2.0E-02	2.0E-03		0	0		0	0
Sum of SVOC TUs			0	0		0	0		0	0		8.3E-01	0		0	0		8.8E-03	3.4E-03
Sum of VOC TUs			0	0		2.4E-03	0		0	0		0	0		1.1E-03	8.1E-05		7.4E-04	0
Sum of total TUs			0	0		2.4E-03	0		0	0		8.5E-01	2.0E-03		1.1E-03	8.1E-05		9.6E-03	3.4E-03

Group	Chemical	B105139B1 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B10 11/30/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B11 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B12 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B13 12/2/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B14 12/1/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	0.0022	5.6E-05	--	NS	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	2.36	--	--	2.623	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	0.656	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	3.6905	--	--	3.279	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	0.065	5.7E-03	5.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	0.1	7.1E-03	5.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	0.26	1.3E-02	9.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	0.24	1.0E-02	8.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	0.33	1.4E-02	1.3E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	0.17	5.8E-03	1.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	0.11	4.6E-03	4.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.27	6.9E-02	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	0.065	1.1E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	0.22	1.1E-02	9.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	0.043	1.6E-03	1.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	0.44	2.6E-02	1.9E-02	0.57	3.4E-02	2.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	0.049	3.9E-03	3.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	0.14	5.1E-03	4.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	0.38	2.7E-02	2.7E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	0.4	2.4E-02	1.2E-02	0.54	3.2E-02	1.7E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	0.11	6.7E-03	--	0.027	1.7E-03	--	ND	--	--	ND	--	--	0.02	1.2E-03	--	NS	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	0.005	9.9E-04	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	0.002	4.6E-04	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs		0	0		0	0		0	0		5.6E-05	0		0	0		0	0
	Sum of SVOC TUs		4.9E-02	3.2E-02		1.8E-01	1.3E-01		0	0		0	0		6.9E-02	0		0	0
	Sum of VOC TUs		6.7E-03	0		1.7E-03	0		0	0		1.5E-03	0		1.2E-03	0		0	0
	Sum of total TUs		5.6E-02	3.2E-02		1.9E-01	1.3E-01		0	0		1.5E-03	0		7.0E-02	0		0	0

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B105139B2 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B4 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B5 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B6 12/1/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00097	4.4E-05	8.9E-06
PEST	Lindane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0037	1.8E-04	7.8E-05
PEST	Chlordane (total)	0.0042	1.1E-04	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00056	1.4E-05	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0034	9.8E-05	--
PEST	Dieldrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00053	1.6E-05	--
PEST	Endosulfan	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0032	1.0E-04	4.7E-05
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00042	1.3E-05	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Heptachlor epoxide	0.00031	9.6E-06	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.013	4.5E-04	2.0E-04
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	0.432	--	--	ND	--	--	ND	--	--	23.47	--	--	24.83	--	--	9.73	--	--
SVOC	PAHs (Low MW)	0.1665	--	--	ND	--	--	ND	--	--	3.8105	--	--	3.621	--	--	2.561	--	--
SVOC	PAHs (total)	0.5985	--	--	ND	--	--	ND	--	--	27.2805	--	--	28.451	--	--	12.291	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	0.61	4.3E-02	3.3E-02	0.57	4.1E-02	3.1E-02	ND	--	--
SVOC	Benzo(a)anthracene	0.044	2.2E-03	1.6E-03	ND	--	--	ND	--	--	2.1	1.0E-01	7.8E-02	2.3	1.1E-01	8.6E-02	0.9	4.4E-02	3.4E-02
SVOC	Benzo(a)pyrene	0.042	1.8E-03	1.4E-03	ND	--	--	ND	--	--	2.6	1.1E-01	8.9E-02	2.7	1.1E-01	9.3E-02	0.89	3.8E-02	3.1E-02
SVOC	Benzo(b)fluoranthene	0.061	2.6E-03	2.4E-03	ND	--	--	ND	--	--	3	1.3E-01	1.2E-01	3.4	1.4E-01	1.3E-01	1.3	5.5E-02	5.1E-02
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	1.7	5.8E-02	1.0E-02	2	6.9E-02	1.2E-02	0.63	2.2E-02	3.7E-03
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	1.4	5.9E-02	5.8E-02	1.4	5.9E-02	5.8E-02	0.43	1.8E-02	1.8E-02
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.56	9.4E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	0.046	2.3E-03	1.9E-03	ND	--	--	ND	--	--	2.1	1.0E-01	8.5E-02	2.2	1.1E-01	9.0E-02	0.9	4.4E-02	3.7E-02
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.47	1.7E-02	1.5E-02	0.53	1.9E-02	1.7E-02	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	0.088	5.2E-03	3.8E-03	ND	--	--	ND	--	--	4.3	2.5E-01	1.9E-01	4.3	2.5E-01	1.9E-01	2.1	1.2E-01	9.1E-02
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	1.7	6.2E-02	6.0E-02	1.8	6.6E-02	6.3E-02	0.57	2.1E-02	2.0E-02
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	0.046	3.3E-03	3.3E-03	ND	--	--	ND	--	--	2.3	1.7E-01	1.7E-01	2.1	1.5E-01	1.5E-01	1.3	9.3E-02	9.3E-02
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	0.071	4.2E-03	2.2E-03	ND	--	--	ND	--	--	4.1	2.4E-01	1.3E-01	4.2	2.5E-01	1.3E-01	1.8	1.1E-01	5.6E-02
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	0.019	1.2E-03	--	ND	--	--	ND	--	--	NS	--	--	0.072	4.4E-03	--	0.021	1.3E-03	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.011	1.4E-03	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs		1.2E-04	0		0	0		0	0		0	0		0	0		9.2E-04	3.3E-04
	Sum of SVOC TUs		2.1E-02	1.7E-02		0	0		0	0		1.3	1.0		1.5	1.1		5.6E-01	4.3E-01
	Sum of VOC TUs		1.2E-03	0		0	0		0	0		0	0		5.8E-03	0		1.3E-03	0
	Sum of total TUs		2.3E-02	1.7E-02		0	0		0	0		1.3	1.0		1.5	1.1		5.7E-01	4.4E-01

		B105139B7	TLM TUs	Narc TUs	B105139B8	TLM TUs	Narc TUs	B105139B9	TLM TUs	Narc TUs	B106B1	TLM TUs	Narc TUs	B106S1	TLM TUs	Narc TUs	B106S2	TLM TUs	Narc TUs	B107B1
Group	Chemical	11/30/2009	(TU)	(TU)	11/30/2009	(TU)	(TU)	12/2/2009	(TU)	(TU)	1/18/2010	(TU)	(TU)	1/18/2010	(TU)	(TU)	1/18/2010	(TU)	(TU)	12/16/2009
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.0022
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.0015
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.0016
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.0019
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.017	5.6E-04	2.5E-04	NS	--	--	NS	--	--	0.004
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.00066	2.2E-05	--	NS	--	--	NS	--	--	ND
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	PAHs (High MW)	138.9	--	--	240.8	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	25.486	--	--	53.6505	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	164.386	--	--	294.4505	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	1.7	1.5E-01	1.4E-01	2.6	2.3E-01	2.2E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	0.43	7.7E-02	6.2E-03	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Anthracene	4.6	3.3E-01	2.5E-01	12	8.5E-01	6.5E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	14	6.9E-01	5.2E-01	25	1.2	9.3E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	14	5.9E-01	4.8E-01	22	9.3E-01	7.5E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	17	7.1E-01	6.7E-01	29	1.2	1.1	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	8.7	3.0E-01	5.2E-02	14	4.8E-01	8.3E-02	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	7.6	3.2E-01	3.2E-01	12	5.0E-01	5.0E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	2.1	1.0E-01	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Carbazole	2.4	4.0E-01	--	2	3.4E-01	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
SVOC	Chrysene	12	5.9E-01	4.9E-01	23	1.1	9.4E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	2.3	8.3E-02	7.2E-02	3.8	1.4E-01	1.2E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dibenzofuran	0.78	1.2E-01	7.4E-03	1.7	2.6E-01	1.6E-02	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Fluoranthene	29	1.7	1.3	51	3.0	2.2	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Fluorene	1.6	1.3E-01	9.9E-02	4.2	3.3E-01	2.6E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	8.3	3.0E-01	2.9E-01	13	4.7E-01	4.6E-01	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	0.2
SVOC	Phenanthrene	17	1.2	1.2	34	2.4	2.4	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Pyrene	26	1.5	8.1E-01	48	2.8	1.5	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
VOC	Acetone	0.14	8.6E-03	--	0.051	3.1E-03	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	0.073	1.4E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.006	1.9E-03	--	NS	--	--	ND
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Toluene	0.019	1.8E-03	7.7E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND
Sum of Pesticide TUs			0	0		0	0		0	0		5.8E-04	2.5E-04		0	0		0	0	
Sum of SVOC TUs			9.2	6.7		17	12		0	0		0	0		0	0		0	0	
Sum of VOC TUs			2.5E-02	7.7E-04		3.1E-03	0		0	0		0	0		1.9E-03	0		0	0	
Sum of total TUs			9.2	6.7		17	12		0	0		5.8E-04	2.5E-04		1.9E-03	0		0	0	

		TLM TUs	Narc TUs	B107B2	TLM TUs	Narc TUs	B107B3	TLM TUs	Narc TUs	B107B4	TLM TUs	Narc TUs	B107B5	TLM TUs	Narc TUs	B107B6	TLM TUs	Narc TUs	B107S1	TLM TUs
Group	Chemical	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	beta-BHC	1.0E-04	4.2E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	delta-BHC	6.8E-05	1.4E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0011	5.0E-05	1.0E-05	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00033	1.6E-05	7.0E-06	NS	--
PEST	Chlordane (total)	4.1E-05	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	5.5E-05	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	1.3E-04	5.9E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0078	2.5E-04	1.2E-04	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
SVOC	PAHs (High MW)	--	--	0.8805	--	--	28.24	--	--	ND	--	--	ND	--	--	ND	--	--	0.273	--
SVOC	PAHs (Low MW)	--	--	0.25	--	--	9.0685	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	1.1305	--	--	37.3085	--	--	ND	--	--	ND	--	--	ND	--	--	0.427	--
SVOC	Acenaphthene	--	--	ND	--	--	0.81	7.1E-02	6.8E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	1.7	1.2E-01	9.2E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	0.092	4.5E-03	3.4E-03	3	1.5E-01	1.1E-01	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	0.086	3.6E-03	3.0E-03	2.6	1.1E-01	8.9E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	0.093	3.9E-03	3.7E-03	3.4	1.4E-01	1.3E-01	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	0.07	2.4E-03	4.1E-04	1.5	5.1E-02	8.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	0.053	2.2E-03	2.2E-03	1.3	5.5E-02	5.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	0.33	1.6E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	0.74	1.2E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	--	0.096	4.7E-03	3.9E-03	3.1	1.5E-01	1.3E-01	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	0.44	1.6E-02	1.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	0.43	6.6E-02	4.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	0.11	1.8E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.15	1.4E-02	1.7E-03	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	0.16	9.4E-03	6.9E-03	5.5	3.2E-01	2.4E-01	ND	--	--	ND	--	--	ND	--	--	0.047	2.8E-03
SVOC	Fluorene	--	--	ND	--	--	0.75	5.9E-02	4.6E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	0.059	2.2E-03	2.1E-03	1.5	5.5E-02	5.3E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	0.074	1.4E-02	5.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	0.11	2.1E-02	8.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	4.0E-02	--	0.12	2.4E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	0.12	8.6E-03	8.6E-03	5.6	4.0E-01	4.0E-01	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	0.071	2.2E-02	--	0.054	1.7E-02	--	0.39	1.2E-01	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	0.15	8.8E-03	4.7E-03	5.9	3.5E-01	1.8E-01	ND	--	--	ND	--	--	ND	--	--	0.05	2.9E-03
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	0.12	7.4E-03	--	ND	--	--	NS	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	13	3.6	4.5E-01	NS	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.49	5.1E-02	--	NS	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	0.004	1.2E-03	--	ND	--	--	NS	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	7	2.0	--	NS	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.66	1.5E-01	3.4E-02	NS	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
Sum of Pesticide TUs		4.0E-04	1.2E-04		0	0		0	0		0	0		0	0		3.2E-04	1.3E-04		0
Sum of SVOC TUs		4.0E-02	0		1.1E-01	3.9E-02		2.3	1.6		1.7E-02	0		1.2E-01	0		1.4E-02	1.7E-03		5.7E-03
Sum of VOC TUs		0	0		0	0		0	0		0	0		8.6E-03	0		5.8	4.8E-01		0
Sum of total TUs		4.1E-02	1.2E-04		1.1E-01	3.9E-02		2.3	1.6		1.7E-02	0		1.3E-01	0		5.8	4.8E-01		5.7E-03

Group	Chemical	Narc TUs (TU)	B107S2 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B107S3 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B108B2 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B108S1 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B109137B1 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B109137B2 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B109137B3 1/12/2010
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	43.9
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.2965
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	52.1965
SVOC	Acenaphthene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.67
SVOC	Acenaphthylene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6
SVOC	Benzo(a)anthracene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.4
SVOC	Benzo(a)pyrene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.3
SVOC	Benzo(b)fluoranthene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.2
SVOC	Benzo(g,h,i)perylene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	3
SVOC	Benzo(k)fluoranthene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.5
SVOC	Benzoic acid	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.16	7.7E-03	--	ND	--	--	0.2
SVOC	Butylbenzylphthalate	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.34
SVOC	Carbazole	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.4
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.7
SVOC	Dibenzo(a,h)anthracene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.9
SVOC	Dibenzofuran	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28
SVOC	Diethylphthalate	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	2.0E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	9.2
SVOC	Fluorene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.51
SVOC	Indeno(1,2,3-c,d)pyrene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.9
SVOC	Benzophenone	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.041
SVOC	2-Methyl naphthalene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.055
SVOC	3-Nitroaniline	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.4
SVOC	Phenol	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	1.6E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	6.8
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	0.22	1.3E-02	--	0.022	1.3E-03	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.011
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	0.004	9.4E-04	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	0.004	7.9E-04	--	0.003	6.0E-04	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.003
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.005	1.6E-03	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	0.002	1.9E-04	8.1E-05	0.002
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	0.004	9.0E-04	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND
	Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of SVOC TUs	3.6E-03		0	0		0	0		0	0		0	0		7.7E-03	0		0	0	
	Sum of VOC TUs	0		1.6E-02	0		1.9E-03	0		0	0		0	0		1.6E-03	0		1.9E-04	8.1E-05	
	Sum of total TUs	3.6E-03		1.6E-02	0		1.9E-03	0		0	0		0	0		9.3E-03	0		1.9E-04	8.1E-05	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B109137B5 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B6 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B8 1/5/2012	TLM TUs (TU)	Narc TUs (TU)	B109137BS1A 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B109137BS1B 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B109137SS1A 3/31/2011
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--	10.42	--	--	ND	--	--	3.3
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	104.951	--	--	0.26	--	--	143.965
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	115.371	--	--	0.47	--	--	147.265
SVOC	Acenaphthene	5.9E-02	5.6E-02	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	1.1E-01	8.7E-02	NS	--	--	NS	--	--	NS	--	--	0.71	5.0E-02	3.8E-02	ND	--	--	0.75
SVOC	Benzo(a)anthracene	2.2E-01	1.6E-01	NS	--	--	NS	--	--	NS	--	--	0.77	3.8E-02	2.9E-02	ND	--	--	ND
SVOC	Benzo(a)pyrene	1.8E-01	1.5E-01	NS	--	--	NS	--	--	NS	--	--	0.24	1.0E-02	8.2E-03	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	2.2E-01	2.1E-01	NS	--	--	NS	--	--	NS	--	--	1.6	6.7E-02	6.3E-02	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	1.0E-01	1.8E-02	NS	--	--	NS	--	--	NS	--	--	0.78	2.7E-02	4.6E-03	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	1.1E-01	1.0E-01	NS	--	--	NS	--	--	NS	--	--	0.72	3.0E-02	3.0E-02	ND	--	--	ND
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--	2.2	3.8E-01	3.7E-02	ND	--	--	3.2
SVOC	bis (2-Ethylhexyl) phthalate	9.7E-03	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	2.7E-02	3.4E-03	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	2.4E-01	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	2.3E-01	1.9E-01	NS	--	--	NS	--	--	NS	--	--	1.2	5.9E-02	4.9E-02	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	3.2E-02	2.8E-02	NS	--	--	NS	--	--	NS	--	--	0.2	7.2E-03	6.3E-03	ND	--	--	ND
SVOC	Dibenzofuran	4.3E-02	2.7E-03	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	2.6
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	5.4E-01	4.0E-01	NS	--	--	NS	--	--	NS	--	--	2.4	1.4E-01	1.0E-01	ND	--	--	0.66
SVOC	Fluorene	4.0E-02	3.1E-02	NS	--	--	NS	--	--	NS	--	--	2.3	1.8E-01	1.4E-01	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	1.1E-01	1.0E-01	NS	--	--	NS	--	--	NS	--	--	0.71	2.6E-02	2.5E-02	ND	--	--	ND
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	7.9E-03	2.8E-03	NS	--	--	NS	--	--	NS	--	--	31	6.0	2.1	ND	--	--	42
SVOC	2-Methyl naphthalene	1.1E-02	4.1E-03	NS	--	--	NS	--	--	NS	--	--	50	9.6	3.7	ND	--	--	69
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	3.9E-01	3.9E-01	NS	--	--	NS	--	--	NS	--	--	19	1.4	1.4	0.13	9.3E-03	9.3E-03	24
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	4.0E-01	2.1E-01	NS	--	--	NS	--	--	NS	--	--	1.8	1.1E-01	5.6E-02	ND	--	--	1
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	6.7E-04	--	ND	--	--	ND	--	--	0.054	3.3E-03	--	ND	--	--	ND	--	--	ND
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	0.47	9.2E-02	--	ND	--	--	2.8
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	0.31	6.1E-02	--	ND	--	--	2.1
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.71
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	0.15	3.5E-02	--	ND	--	--	1.1
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	6.0E-04	--	ND	--	--	ND	--	--	ND	--	--	0.34	6.7E-02	--	ND	--	--	2.9
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	0.17	4.7E-02	5.8E-03	ND	--	--	0.99
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.8
VOC	Methylene chloride	--	--	ND	--	--	0.003	9.3E-04	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	1.9	4.3E-01	1.6E-01	0.004	9.0E-04	3.4E-04	7.6
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	0.34	7.9E-02	--	ND	--	--	2
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	1.9E-04	8.1E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.18
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	3.6	8.3E-01	--	ND	--	--	14
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	1.9	4.3E-01	--	ND	--	--	10
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	1.61	4.5E-01	--	ND	--	--	7.6
	Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of SVOC TUs	3.1	2.1		0	0		0	0		0	0		18	7.8		9.3E-03	9.3E-03	
	Sum of VOC TUs	1.5E-03	8.1E-05		0	0		9.3E-04	0		3.3E-03	0		2.5	1.7E-01		9.0E-04	3.4E-04	
	Sum of total TUs	3.1	2.1		0	0		9.3E-04	0		3.3E-03	0		21	8.0		1.0E-02	9.7E-03	

		TLM TUs	Narc TUs	B110111112B1	TLM TUs	Narc TUs	B110111112B2	TLM TUs	Narc TUs	B110111112B3	TLM TUs	Narc TUs	B110111112B4	TLM TUs	Narc TUs	B110111112B5	TLM TUs
Group	Chemical	(TU)	(TU)	1/11/2010	(TU)	(TU)	1/8/2010	(TU)	(TU)	1/8/2010	(TU)	(TU)	1/8/2010	(TU)	(TU)	1/7/2010	(TU)
PEST	Aldrin	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	beta-BHC	--	--	0.0054	2.5E-04	1.0E-04	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	delta-BHC	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.0007	3.2E-05
PEST	Lindane	--	--	0.00034	1.6E-05	7.2E-06	0.00035	1.7E-05	7.4E-06	ND	--	--	0.00024	1.1E-05	5.1E-06	ND	--
PEST	Chlordane (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	4,4'-DDD	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	4,4'-DDE	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	4,4'-DDT	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	Dieldrin	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	Endosulfan	--	--	0.0036	1.2E-04	5.3E-05	ND	--	--	0.0006	2.0E-05	8.9E-06	0.0009	2.9E-05	1.3E-05	0.00048	1.6E-05
PEST	Endosulfan sulfate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	Endrin	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	Endrin aldehyde	--	--	0.00074	2.4E-05	--	ND	--	--	ND	--	--	ND	--	--	ND	--
PEST	Heptachlor epoxide	--	--	0.00042	1.3E-05	--	ND	--	--	0.00033	1.0E-05	--	ND	--	--	ND	--
PEST	Methoxychlor	--	--	ND	--	--	0.0035	1.2E-04	5.4E-05	ND	--	--	ND	--	--	ND	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	0.466	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	0.1725	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	0.6385	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	5.3E-02	4.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	0.055	2.7E-03	2.1E-03	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	0.046	2.0E-03	1.6E-03	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	0.072	3.0E-03	2.8E-03	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	5.5E-01	5.3E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	ND	--	--	0.054	2.6E-03	2.2E-03	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	4.0E-01	2.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	3.9E-02	2.9E-02	ND	--	--	0.088	5.2E-03	3.8E-03	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	8.1	2.9	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	13	5.1	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	1.7	1.7	ND	--	--	0.052	3.7E-03	3.7E-03	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	5.9E-02	3.1E-02	ND	--	--	0.071	4.2E-03	2.2E-03	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	5.5E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	4.1E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	1.4E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	2.6E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	5.8E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	2.7E-01	3.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	5.5E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	1.7	6.5E-01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	4.6E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	1.7E-02	7.3E-03	0.002	1.9E-04	8.1E-05	0.002	1.9E-04	8.1E-05	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	3.2	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	2.2	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	2.1	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
	Sum of Pesticide TUs	0	0		4.3E-04	1.6E-04		1.4E-04	6.1E-05		3.0E-05	8.9E-06		4.1E-05	1.8E-05		4.8E-05
	Sum of SVOC TUs	24	9.9		0	0		2.3E-02	1.8E-02		0	0		0	0		0
	Sum of VOC TUs	12	6.9E-01		1.9E-04	8.1E-05		1.9E-04	8.1E-05		0	0		0	0		0
	Sum of total TUs	37	11		6.1E-04	2.5E-04		2.4E-02	1.9E-02		3.0E-05	8.9E-06		4.1E-05	1.8E-05		4.8E-05

Group	Chemical	Narc TUs (TU)	B110111112B6 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B7 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B113B1 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B113B10 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B11 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B12 1/5/2012	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	0.086	2.4E-03	--	0.0037	1.0E-04	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	6.4E-06	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.0011	5.2E-05	2.3E-05	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	7.1E-06	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.01	3.3E-04	1.5E-04	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.00086	2.8E-05	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.0007	2.2E-05	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.0027	8.8E-05	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.019	6.6E-04	2.9E-04	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	16.18	--	--	ND	--	--	ND	--	--	ND	--	--	0.523	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	7.265	--	--	ND	--	--	ND	--	--	ND	--	--	0.1735	--	--	ND	--	--
SVOC	PAHs (total)	--	23.445	--	--	ND	--	--	ND	--	--	ND	--	--	0.6965	--	--	ND	--	--
SVOC	Acenaphthene	--	0.73	6.4E-02	6.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	--	1.2	8.5E-02	6.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)anthracene	--	1.7	8.3E-02	6.3E-02	ND	--	--	ND	--	--	ND	--	--	0.066	3.2E-03	2.5E-03	NS	--	--
SVOC	Benzo(a)pyrene	--	1.4	5.9E-02	4.8E-02	ND	--	--	ND	--	--	ND	--	--	0.063	2.7E-03	2.2E-03	NS	--	--
SVOC	Benzo(b)fluoranthene	--	1.7	7.1E-02	6.7E-02	ND	--	--	ND	--	--	ND	--	--	0.057	2.4E-03	2.3E-03	NS	--	--
SVOC	Benzo(g,h,i)perylene	--	0.85	2.9E-02	5.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	--	0.77	3.2E-02	3.2E-02	ND	--	--	ND	--	--	ND	--	--	0.053	2.2E-03	2.2E-03	NS	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	0.053	9.2E-03	8.9E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	0.11	5.3E-03	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Carbazole	--	0.56	9.4E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	0.071	1.6E-02	--	ND	--	--	NS	--	--
SVOC	CS	--	NS	--	--	NS	--	--	ND	--	--	0.25	4.0E-02	--	ND	--	--	NS	--	--
SVOC	Chrysene	--	1.6	7.8E-02	6.5E-02	ND	--	--	ND	--	--	ND	--	--	0.07	3.4E-03	2.8E-03	NS	--	--
SVOC	Dibenzo(a,h)anthracene	--	0.16	5.8E-03	5.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzofuran	--	0.46	7.1E-02	4.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluoranthene	--	3.9	2.3E-01	1.7E-01	ND	--	--	ND	--	--	ND	--	--	0.073	4.3E-03	3.2E-03	NS	--	--
SVOC	Fluorene	--	0.72	5.7E-02	4.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	0.8	2.9E-02	2.8E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	0.074	1.4E-02	5.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	0.12	2.3E-02	8.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenanthrene	--	4.4	3.2E-01	3.2E-01	ND	--	--	ND	--	--	ND	--	--	0.053	3.8E-03	3.8E-03	NS	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	0.41	1.3E-01	--	ND	--	--	NS	--	--
SVOC	Pyrene	--	3.3	1.9E-01	1.0E-01	ND	--	--	ND	--	--	ND	--	--	0.081	4.8E-03	2.5E-03	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.029	1.8E-03	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	0.072	1.7E-02	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	6.8E-04	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	0.003	9.3E-04	--	0.014	4.3E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	0.002	1.9E-04	8.1E-05	0.002	1.9E-04	8.1E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs	1.4E-05		0	0		0	0		0	0		2.4E-03	0		1.3E-03	4.6E-04		0	0
	Sum of SVOC TUs	0		1.5	1.1		5.3E-03	0		0	0		1.8E-01	0		2.7E-02	2.1E-02		0	0
	Sum of VOC TUs	0		1.1E-03	8.1E-05		4.5E-03	8.1E-05		1.7E-02	0		0	0		0	0		2.5E-03	0
	Sum of total TUs	1.4E-05		1.5	1.1		9.8E-03	8.1E-05		1.7E-02	0		1.8E-01	0		2.8E-02	2.2E-02		2.5E-03	0

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B113B2 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B113B3 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B5 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B6 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B7 12/18/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	0.5715	--	--	0.874	--	--	ND	--	--	0.51	--	--	2.2015	--	--	ND	--	--
SVOC	PAHs (Low MW)	0.1805	--	--	0.1765	--	--	ND	--	--	0.324	--	--	0.635	--	--	ND	--	--
SVOC	PAHs (total)	0.752	--	--	1.0505	--	--	ND	--	--	0.834	--	--	2.8365	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	0.041	3.6E-03	3.4E-03	0.12	1.1E-02	1.0E-02	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.091	6.5E-03	4.9E-03	ND	--	--
SVOC	Benzo(a)anthracene	0.064	3.1E-03	2.4E-03	0.092	4.5E-03	3.4E-03	ND	--	--	0.047	2.3E-03	1.8E-03	0.23	1.1E-02	8.6E-03	ND	--	--
SVOC	Benzo(a)pyrene	0.056	2.4E-03	1.9E-03	0.1	4.2E-03	3.4E-03	ND	--	--	0.051	2.2E-03	1.7E-03	0.24	1.0E-02	8.2E-03	ND	--	--
SVOC	Benzo(b)fluoranthene	0.077	3.2E-03	3.0E-03	0.12	5.0E-03	4.7E-03	ND	--	--	0.047	2.0E-03	1.9E-03	0.26	1.1E-02	1.0E-02	ND	--	--
SVOC	Benzo(g,h,i)perylene	0.046	1.6E-03	2.7E-04	0.1	3.4E-03	5.9E-04	ND	--	--	ND	--	--	0.18	6.2E-03	1.1E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.12	5.0E-03	5.0E-03	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	0.26	6.6E-02	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	0.097	4.7E-03	--	ND	--	--	ND	--	--	0.12	5.8E-03	--	0.48	2.3E-02	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.081	1.4E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	1.2	2.5E-01	--	2.2	4.6E-01	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	0.15	3.3E-02	--	0.26	5.8E-02	--	ND	--	--	0.77	1.7E-01	--	2.2	4.9E-01	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.48	7.7E-02	--	ND	--	--
SVOC	Chrysene	0.078	3.8E-03	3.2E-03	0.095	4.7E-03	3.9E-03	ND	--	--	0.063	3.1E-03	2.6E-03	0.29	1.4E-02	1.2E-02	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.051	7.8E-03	4.8E-04	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	0.095	5.6E-03	4.1E-03	0.13	7.7E-03	5.6E-03	ND	--	--	0.11	6.5E-03	4.8E-03	0.35	2.1E-02	1.5E-02	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.059	4.7E-03	3.6E-03	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	0.081	3.0E-03	2.8E-03	ND	--	--	ND	--	--	0.15	5.5E-03	5.3E-03	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	1.6E-02	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	0.057	4.1E-03	4.1E-03	0.068	4.9E-03	4.9E-03	ND	--	--	0.18	1.3E-02	1.3E-02	0.3	2.2E-02	2.2E-02	ND	--	--
SVOC	Phenol	ND	--	--	0.039	1.2E-02	--	ND	--	--	0.068	2.1E-02	--	1.5	4.6E-01	--	0.62	1.9E-01	--
SVOC	Pyrene	0.094	5.5E-03	2.9E-03	0.12	7.1E-03	3.7E-03	ND	--	--	0.11	6.5E-03	3.4E-03	0.36	2.1E-02	1.1E-02	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.028	1.7E-03	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.15	5.1E-02	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.06	1.9E-02	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.017	5.5E-03	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14	1.9E-02	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	0.006	1.1E-03	2.3E-04	0.27	5.0E-02	1.1E-02	0.017	3.1E-03	6.6E-04	0.003	5.5E-04	1.2E-04	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	0.004	3.8E-04	1.6E-04	0.002	1.9E-04	8.1E-05	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	0.002	4.7E-04	1.0E-04	0.094	2.2E-02	4.8E-03	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs		6.7E-02	2.2E-02		1.1E-01	3.3E-02		0	0		5.5E-01	3.3E-02		1.7	1.2E-01		1.9E-01	0
	Sum of VOC TUs		0	0		1.1E-03	2.3E-04		5.0E-02	1.1E-02		3.8E-03	8.5E-04		1.2E-01	4.9E-03		0	0
	Sum of total TUs		6.7E-02	2.2E-02		1.2E-01	3.3E-02		5.0E-02	1.1E-02		5.6E-01	3.3E-02		1.8	1.2E-01		1.9E-01	0

Group	Chemical	B113B8 12/18/2009	TLM TUs (TU)	Narc TUs (TU)	B113B9 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B114B2 1/21/2010	TLM TUs (TU)	Narc TUs (TU)	B114B3 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B115B1 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B115B2 12/22/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	0.32	9.0E-03	--	NS	--	--	ND	--	--	NS	--	--	0.00026	7.3E-06	--
PEST	beta-BHC	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	NS	--	--	ND	--	--	NS	--	--	0.00091	4.1E-05	8.3E-06	NS	--	--	ND	--	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Chlordane (total)	NS	--	--	ND	--	--	NS	--	--	0.00043	1.1E-05	--	NS	--	--	0.0016	4.1E-05	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	0.0017	5.3E-05	--
PEST	4,4'-DDT	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	0.0028	8.1E-05	--
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	ND	--	--	NS	--	--	0.00032	1.0E-05	4.7E-06	NS	--	--	0.0017	5.6E-05	2.5E-05
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	0.0018	5.7E-05	--
PEST	Endrin aldehyde	NS	--	--	0.57	1.9E-02	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	0.0019	5.9E-05	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	0.626	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	0.2605	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	0.8865	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	2	4.4E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	0.069	3.4E-03	2.6E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	0.052	2.2E-03	1.8E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	0.068	2.9E-03	2.7E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.1	5.3E-02	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	0.073	3.6E-03	3.0E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	0.25	4.1E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	0.15	8.8E-03	6.5E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	0.14	1.0E-02	1.0E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	0.93	2.9E-01	--	ND	--	--	ND	--	--	0.079	2.4E-02	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	0.14	8.3E-03	4.4E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	0.001	1.1E-04	4.8E-05	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	0.041	7.9E-03	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	4.0E-04	--
VOC	1,2-Dichloroethane	0.004	1.2E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	0.004	1.1E-03	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	0.009	2.8E-03	--	ND	--	--	ND	--	--	ND	--	--	0.003	9.3E-04	--	0.01	3.1E-03	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	0.036	5.0E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	0.019	3.5E-03	7.4E-04	0.004	7.4E-04	1.6E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.001	9.4E-05	4.1E-05	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.004	9.3E-04	2.0E-04	0.003	7.0E-04	1.5E-04
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs		0	0		2.7E-02	0		0	0		6.3E-05	1.3E-05		0	0		3.5E-04	2.5E-05
	Sum of SVOC TUs		4.8E-01	0		2.9E-01	0		3.9E-02	3.1E-02		0	0		2.4E-02	0		5.3E-02	0
	Sum of VOC TUs		7.6E-03	7.9E-04		5.7E-03	1.6E-04		0	0		9.0E-03	0		2.0E-03	2.4E-04		4.2E-03	1.5E-04
	Sum of total TUs		4.9E-01	7.9E-04		3.2E-01	1.6E-04		3.9E-02	3.1E-02		9.1E-03	1.3E-05		2.6E-02	2.4E-04		5.8E-02	1.8E-04

Group	Chemical	B115B3 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B115B4 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B1 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B11 4/21/2011	TLM TUs (TU)	Narc TUs (TU)	B116128B3 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00079	3.6E-05	7.2E-06
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00055	2.6E-05	1.2E-05
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.017	5.6E-04	2.5E-04
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00098	3.2E-05	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00051	1.6E-05	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	NS	--	--	7.85	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.7865	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	9.6365	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.18	1.6E-02	1.5E-02	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.25	1.8E-02	1.4E-02	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.78	3.8E-02	2.9E-02	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.69	2.9E-02	2.4E-02	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.97	4.1E-02	3.8E-02	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.52	1.8E-02	3.1E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.41	1.7E-02	1.7E-02	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.16	2.7E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.87	4.3E-02	3.5E-02	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.13	4.7E-03	4.1E-03	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.044	6.8E-03	4.2E-04	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.093	1.5E-02	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	1.4	8.2E-02	6.1E-02	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.1	7.9E-03	6.2E-03	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.48	1.8E-02	1.7E-02	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	0.19	2.8E-02	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	1.2	8.6E-02	8.6E-02	ND	--	--
SVOC	Phenol	0.056	1.7E-02	--	0.11	3.4E-02	--	0.09	2.8E-02	--	NS	--	--	0.043	1.3E-02	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	1.6	9.4E-02	5.0E-02	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	0.004	1.2E-03	--	ND	--	--	0.002	5.8E-04	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	0.003	9.3E-04	--	0.008	2.5E-03	--	0.006	1.9E-03	--	ND	--	--	0.007	2.2E-03	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	0.001	1.8E-04	3.9E-05	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	0.006	5.7E-04	2.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.003	7.0E-04	1.5E-04
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	0.007	3.3E-03	--	ND	--	--	0.002	9.3E-04	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		6.7E-04	2.7E-04
Sum of SVOC TUs			1.7E-02	0		3.4E-02	0		2.8E-02	0		0	0		5.7E-01	4.0E-01		2.8E-02	0
Sum of VOC TUs			9.3E-04	0		3.0E-03	2.4E-04		6.5E-03	3.9E-05		0	0		3.7E-03	0		7.0E-04	1.5E-04
Sum of total TUs			1.8E-02	0		3.7E-02	2.4E-04		3.4E-02	3.9E-05		0	0		5.8E-01	4.0E-01		3.0E-02	4.2E-04

Group	Chemical	B117B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S2 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S3 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S4 3/10/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B3 1/13/2010
PEST	Aldrin	NS	--	--	ND	--	--	ND	--	--	0.01	2.8E-04	--	ND	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	ND	--	--	ND	--	--	0.023	1.1E-03	4.4E-04	ND	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	ND	--	--	ND	--	--	0.0045	1.3E-04	--	ND	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	0.0029	9.5E-05	4.3E-05	0.00093	3.0E-05	1.4E-05	0.0027	8.8E-05	4.0E-05	ND	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	ND	--	--	0.013	4.3E-04	--	ND	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	ND	--	--	0.0047	1.6E-04	7.2E-05	ND	--	--	ND	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	ND	--	--	0.0013	7.5E-05	--	0.0016	9.2E-05	--	ND	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.513	--	--	ND	--	--	101.3	--	--	69.18
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.191	--	--	ND	--	--	28.5285	--	--	16.7565
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.704	--	--	ND	--	--	129.8285	--	--	85.9365
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.5	2.2E-01	2.1E-01	1.3
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.088	1.6E-02	1.3E-03	0.066
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5	3.6E-01	2.7E-01	2.9
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.055	2.7E-03	2.1E-03	ND	--	--	10	4.9E-01	3.7E-01	7
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.046	2.0E-03	1.6E-03	ND	--	--	9	3.8E-01	3.1E-01	6.5
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.06	2.5E-03	2.4E-03	ND	--	--	11	4.6E-01	4.4E-01	7.3
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	6.1	2.1E-01	3.6E-02	4.6
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.4	1.8E-01	1.8E-01	3.2
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14	2.4E-02	2.3E-03	0.068
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	0.14	6.8E-03	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.4	4.0E-01	--	1.7
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.066	3.2E-03	2.7E-03	ND	--	--	9.7	4.8E-01	3.9E-01	6.4
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.7	6.1E-02	5.3E-02	0.98
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.3	2.0E-01	1.2E-02	0.67
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	0.62	5.6E-02	7.1E-03	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.1	5.9E-03	4.3E-03	ND	--	--	24	1.4	1.0	16
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.4	1.9E-01	1.5E-01	1.2
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.4	2.0E-01	1.9E-01	4.2
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.23	4.4E-02	1.6E-02	0.13
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.31	6.0E-02	2.3E-02	0.16
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.059	4.2E-03	4.2E-03	ND	--	--	18	1.3	1.3	11
SVOC	Phenol	0.27	8.3E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.047
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.098	5.8E-03	3.1E-03	ND	--	--	20	1.2	6.2E-01	13
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	2-Butanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	n-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Isopropylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Cyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Cyclohexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Ethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	2-Hexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Methyl acetate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Methylcyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Methylene chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.006
VOC	Naphthalene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	n-Propyl benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Styrene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Toluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Trichloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Vinyl chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
VOC	Xylenes (total)	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND
	Sum of Pesticide TUs		0	0		9.5E-05	4.3E-05		2.7E-04	8.6E-05		2.1E-03	4.8E-04		0	0		0	0	
	Sum of SVOC TUs		8.3E-02	0		0	0		0	0		8.9E-02	2.7E-02		0	0		7.9	5.6	
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of total TUs		8.3E-02	0		9.5E-05	4.3E-05		2.7E-04	8.6E-05		9.1E-02	2.8E-02		0	0		7.9	5.6	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B119120B4 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S2 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B121S1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	B122B1 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B122B10 12/4/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	71.2	--	--	1.5635	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	15.0915	--	--	0.3405	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	86.2915	--	--	1.904	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	1.1E-01	1.1E-01	1	8.8E-02	8.4E-02	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	1.2E-02	9.6E-04	0.1	1.8E-02	1.5E-03	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	2.1E-01	1.6E-01	2.8	2.0E-01	1.5E-01	0.048	3.4E-03	2.6E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	3.4E-01	2.6E-01	7	3.4E-01	2.6E-01	0.16	7.8E-03	6.0E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	2.8E-01	2.2E-01	6.5	2.8E-01	2.2E-01	0.15	6.4E-03	5.1E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	3.1E-01	2.9E-01	8.7	3.7E-01	3.4E-01	0.19	8.0E-03	7.5E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	1.6E-01	2.7E-02	4.8	1.6E-01	2.8E-02	0.12	4.1E-03	7.1E-04	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	1.3E-01	1.3E-01	3.2	1.3E-01	1.3E-01	0.083	3.5E-03	3.5E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	1.2E-02	1.1E-03	0.048	8.3E-03	8.0E-04	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	0.31	1.5E-02	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	2.9E-01	--	1.2	2.0E-01	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	3.1E-01	2.6E-01	6.6	3.2E-01	2.7E-01	0.14	6.9E-03	5.7E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	3.5E-02	3.1E-02	1.1	4.0E-02	3.4E-02	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	1.0E-01	6.3E-03	0.52	8.0E-02	4.9E-03	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	9.4E-01	6.9E-01	16	9.4E-01	6.9E-01	0.3	1.8E-02	1.3E-02	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	9.5E-02	7.4E-02	1	7.9E-02	6.2E-02	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.5E-01	1.5E-01	4.3	1.6E-01	1.5E-01	0.11	4.0E-03	3.9E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	2.5E-02	9.0E-03	0.091	1.7E-02	6.3E-03	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	3.1E-02	1.2E-02	0.1	1.9E-02	7.4E-03	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	7.9E-01	7.9E-01	10	7.2E-01	7.2E-01	0.19	1.4E-02	1.4E-02	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Phenol	1.4E-02	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	7.7E-01	4.1E-01	13	7.7E-01	4.1E-01	0.29	1.7E-02	9.1E-03	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	0.042	8.1E-03	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	1.9E-03	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	0.005	1.6E-03	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	0.002	1.9E-04	8.1E-05	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs	5.1	3.6		5.0	3.6		9.2E-02	7.1E-02		0	0		0	0		0	0		0	0
	Sum of VOC TUs	1.9E-03	0		8.3E-03	8.1E-05		0	0		0	0		0	0		1.6E-03	0		0	0
	Sum of total TUs	5.1	3.6		5.0	3.6		9.2E-02	7.1E-02		0	0		0	0		1.6E-03	0		0	0

Group	Chemical	B122B2 12/8/2009	TLM TUs (TU)	Narc TUs (TU)	B122B3 1/5/2010	TLM TUs (TU)	Narc TUs (TU)	B122B5 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B122B6 12/9/2009	TLM TUs (TU)	Narc TUs (TU)	B122B7 12/8/2009	TLM TUs (TU)	Narc TUs (TU)	B122B8 12/8/2009	TLM TUs (TU)	Narc TUs (TU)	B122B9 12/7/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.0675	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	0.2675	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	0.4875	--	--	ND	--	--	ND	--	--	ND	--	--	1.2115	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	4.9E-03
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	4.7E-03
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.2	8.4E-03
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.054	1.9E-03
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.084	3.5E-03
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	0.11	5.3E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.13	6.4E-03
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	5.9E-03
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.049	1.8E-03
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	0.067	1.3E-02	4.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	0.09	1.7E-02	6.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22	1.3E-02
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.027	1.7E-03	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.012	2.4E-03	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.004	1.2E-03	--	0.008	2.5E-03	--	0.003	9.3E-04	--	0.003	9.3E-04	--	0.003	9.3E-04	--	ND	--	--	0.003	9.3E-04
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs			0	0		5.3E-03	0		3.0E-02	1.1E-02		0	0		0	0		0	0		5.0E-02
Sum of VOC TUs			1.2E-03	0		2.5E-03	0		9.3E-04	0		9.3E-04	0		9.3E-04	0		4.0E-03	0		9.3E-04
Sum of total TUs			1.2E-03	0		7.8E-03	0		3.1E-02	1.1E-02		9.3E-04	0		9.3E-04	0		4.0E-03	0		5.1E-02

Group	Chemical	Narc TUs (TU)	B123B1 4/15/2010	TLM TUs (TU)	Narc TUs (TU)	B123S1 4/15/2010	TLM TUs (TU)	Narc TUs (TU)	B123S2 4/15/2010	TLM TUs (TU)	Narc TUs (TU)	B123S3 4/15/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B1 1/19/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B3 1/20/2010
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	0.268	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	0.4155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	3.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	3.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	7.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	3.2E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	3.5E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	5.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	4.3E-03	0.048	2.8E-03	2.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	1.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	6.9E-03	0.052	3.1E-03	1.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
	Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of SVOC TUs	3.7E-02		5.9E-03	3.7E-03		0	0		0	0		0	0		0	0		0	0	
	Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of total TUs	3.7E-02		5.9E-03	3.7E-03		0	0		0	0		0	0		0	0		0	0	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B124135B4 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B5 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B7 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B8 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	0.38	1.2E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.024	1.5E-03	--	0.1	6.1E-03	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.006	1.2E-03	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
	Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs	0	0		1.2E-01	0		0	0		0	0		0	0		0	0		0	0
	Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		1.5E-03	0		7.3E-03	0
	Sum of total TUs	0	0		1.2E-01	0		0	0		0	0		0	0		1.5E-03	0		7.3E-03	0

Group	Chemical	B124135S3 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B1 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B2 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B3 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S1 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S2 2/1/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	20.57	--	--	ND	--	--	0.245	--	--	0.749	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	8.881	--	--	ND	--	--	ND	--	--	0.233	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	29.451	--	--	ND	--	--	0.399	--	--	0.982	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	1.1	9.7E-02	9.2E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	1.6	1.1E-01	8.7E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	2.5	1.2E-01	9.3E-02	ND	--	--	ND	--	--	0.09	4.4E-03	3.4E-03
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	1.6	6.8E-02	5.5E-02	ND	--	--	ND	--	--	0.065	2.8E-03	2.2E-03
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	2	8.4E-02	7.9E-02	ND	--	--	ND	--	--	0.088	3.7E-03	3.5E-03
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	0.97	3.3E-02	5.8E-03	ND	--	--	ND	--	--	0.048	1.6E-03	2.8E-04
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	0.92	3.9E-02	3.8E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	0.067	1.2E-02	1.1E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	0.095	4.6E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	1.1	1.8E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	2.6	1.3E-01	1.1E-01	ND	--	--	ND	--	--	0.083	4.1E-03	3.4E-03
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	0.32	1.2E-02	1.0E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	0.55	8.4E-02	5.2E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	4.8	2.8E-01	2.1E-01	ND	--	--	0.047	2.8E-03	2.0E-03	0.16	9.4E-03	6.9E-03
SVOC	Fluorene	ND	--	--	ND	--	--	0.91	7.2E-02	5.6E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	0.96	3.5E-02	3.4E-02	ND	--	--	ND	--	--	0.044	1.6E-03	1.5E-03
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	0.16	3.1E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	0.29	5.6E-02	2.1E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	4.8	3.4E-01	3.5E-01	ND	--	--	ND	--	--	0.11	7.9E-03	7.9E-03
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	3.9	2.3E-01	1.2E-01	ND	--	--	ND	--	--	0.13	7.7E-03	4.1E-03
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	0.018	1.1E-03	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Benzene	ND	--	--	0.0007	8.0E-05	3.4E-05	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs			4.6E-03	0		0	0		2.0	1.4		0	0		2.8E-03	2.0E-03		4.3E-02	3.3E-02
Sum of VOC TUs			1.1E-03	0		8.0E-05	3.4E-05		0	0		0	0		0	0		0	0
Sum of total TUs			5.7E-03	0		8.0E-05	3.4E-05		2.0	1.4		0	0		2.8E-03	2.0E-03		4.3E-02	3.3E-02

Group	Chemical	B125136S3 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S4 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S5 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S6 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S7 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S8 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B134S1 2/3/2010	TLM TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0		0
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0
	Sum of total TUs		0	0		0	0		0	0		0	0		0	0		0	0		0

		Narc TUs	B134S2	TLM TUs	Narc TUs	B134S3	TLM TUs	Narc TUs	B134S4	TLM TUs	Narc TUs	B142B1	TLM TUs	Narc TUs	B142B2	TLM TUs	Narc TUs	B142B2	TLM TUs	Narc TUs	B142B3
Group	Chemical	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	12/11/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	1/27/2010	(TU)	(TU)	12/11/2009
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.032	1.5E-03	6.7E-04	NS	--	--	ND
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.006	1.5E-04	--	NS	--	--	ND
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.0011
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.0029
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0307	1.0E-03	4.5E-04	NS	--	--	0.055
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0025	7.9E-05	--	NS	--	--	ND
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.2	6.9E-03	3.1E-03	NS	--	--	ND
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	1.225	--	--	NS	--	--	0.905	--	--	ND
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	0.22	--	--	ND	--	--	0.225	--	--	ND
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	1.445	--	--	ND	--	--	1.13	--	--	ND
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	0.16	7.8E-03	6.0E-03	NS	--	--	0.12	5.9E-03	4.5E-03	ND
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	0.12	5.1E-03	4.1E-03	NS	--	--	0.084	3.6E-03	2.9E-03	ND
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	0.18	7.6E-03	7.1E-03	NS	--	--	0.12	5.0E-03	4.7E-03	ND
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	0.069	2.4E-03	4.1E-04	NS	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	0.072	3.0E-03	3.0E-03	NS	--	--	0.059	2.5E-03	2.5E-03	ND
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	0.16	7.8E-03	6.5E-03	NS	--	--	0.12	5.9E-03	4.9E-03	ND
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	0.16	9.4E-03	6.9E-03	NS	--	--	0.17	1.0E-02	7.4E-03	ND
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	0.059	2.2E-03	2.1E-03	NS	--	--	ND	--	--	ND
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	0.069	5.0E-03	5.0E-03	NS	--	--	0.081	5.8E-03	5.8E-03	ND
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	0.22	1.3E-02	6.9E-03	NS	--	--	0.16	9.4E-03	5.0E-03	ND
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	0.19	1.2E-02	--	ND	--	--	NS	--	--	0.053
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	0.014	1.8E-03	--	ND	--	--	NS	--	--	ND
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.38	4.0E-02	--	NS	--	--	ND
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	0.003	6.9E-04	--	ND	--	--	NS	--	--	0.002
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	ND
	Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		9.7E-03	4.2E-03		0	0	
	Sum of SVOC TUs	0		0	0		0	0		0	0		6.3E-02	4.8E-02		0	0		4.8E-02	3.8E-02	
	Sum of VOC TUs	0		0	0		0	0		0	0		1.4E-02	0		4.0E-02	0		0	0	
	Sum of total TUs	0		0	0		0	0		0	0		7.7E-02	4.8E-02		5.0E-02	4.2E-03		4.8E-02	3.8E-02	

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B142B4 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B143B1 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B143B2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B143B3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B144B1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B144S1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.0013	5.9E-05	1.2E-05	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	4.1E-05	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	3.7E-05	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	8.4E-05	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	1.8E-03	8.1E-04	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	0.27	--	--	0.5155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	0.425	--	--	0.688	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28	7.1E-02	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	2.4E-02	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	ND	--	--	0.054	2.6E-03	2.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	0.047	2.8E-03	2.0E-03	0.13	7.7E-03	5.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	0.047	2.8E-03	1.5E-03	0.16	9.4E-03	5.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	3.3E-03	--	0.16	9.8E-03	--	0.046	2.8E-03	--	0.027	1.7E-03	--	0.021	1.3E-03	--	ND	--	--	NS	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Butanone	--	--	0.019	2.4E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	4.6E-04	--	0.005	1.1E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
	Sum of Pesticide TUs	1.9E-03	8.1E-04		0	0		0	0		0	0		1.0E-04	1.2E-05		0	0		0	0
	Sum of SVOC TUs	0	0		5.5E-03	3.5E-03		2.0E-02	1.3E-02		0	0		2.4E-02	0		0	0		7.1E-02	0
	Sum of VOC TUs	3.7E-03	0		1.3E-02	0		2.8E-03	0		1.7E-03	0		1.3E-03	0		0	0		0	0
	Sum of total TUs	5.6E-03	8.1E-04		1.9E-02	3.5E-03		2.3E-02	1.3E-02		1.7E-03	0		2.6E-02	1.2E-05		0	0		7.1E-02	0

		B146B1	TLM TUs	Narc TUs	B146B3	TLM TUs	Narc TUs	B147B1	TLM TUs	Narc TUs	B147B10	TLM TUs	Narc TUs	B147B11	TLM TUs	Narc TUs	B147B12	TLM TUs	Narc TUs	B147B2
Group	Chemical	1/5/2010	(TU)	(TU)	1/5/2010	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/16/2009
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	7.6E-05	3.4E-05	NS	--	--	ND
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0245	6.3E-04	--	NS	--	--	0.02
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0028	8.1E-05	--	NS	--	--	0.014
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.046
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.0065
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
SVOC	PAHs (High MW)	ND	--	--	1.113	--	--	ND	--	--	ND	--	--	ND	--	--	0.5075	--	--	ND
SVOC	PAHs (Low MW)	ND	--	--	0.1735	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	ND	--	--	1.2865	--	--	ND	--	--	ND	--	--	ND	--	--	0.652	--	--	ND
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	0.063	3.1E-03	2.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	ND	--	--	0.17	7.2E-03	5.8E-03	ND	--	--	ND	--	--	ND	--	--	0.069	2.9E-03	2.4E-03	ND
SVOC	Benzo(b)fluoranthene	ND	--	--	0.23	9.7E-03	9.1E-03	ND	--	--	ND	--	--	ND	--	--	0.11	4.6E-03	4.4E-03	ND
SVOC	Benzo(g,h,i)perylene	ND	--	--	0.19	6.5E-03	1.1E-03	ND	--	--	ND	--	--	ND	--	--	0.1	3.4E-03	5.9E-04	ND
SVOC	Benzo(k)fluoranthene	ND	--	--	0.079	3.3E-03	3.3E-03	ND	--	--	ND	--	--	ND	--	--	0.049	2.1E-03	2.0E-03	ND
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	0.095	4.7E-03	3.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	0.071	4.2E-03	3.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	0.12	4.4E-03	4.2E-03	ND	--	--	ND	--	--	ND	--	--	0.077	2.8E-03	2.7E-03	ND
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	0.053	3.8E-03	3.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	ND	--	--	ND	--	--	0.2	6.1E-02	--	0.76	2.3E-01	--	0.16	4.9E-02	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	0.075	4.4E-03	2.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	0.014	8.6E-04	--	ND	--	--	ND	--	--	0.05
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	ND	--	--	0.005	1.6E-03	--	0.005	1.6E-03	--	0.004	1.2E-03	--	0.005	1.6E-03	--	0.007	2.2E-03	--	ND
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.005
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		7.8E-04	3.4E-05		0	0	
Sum of SVOC TUs			0	0		5.1E-02	3.9E-02		6.1E-02	0		2.3E-01	0		4.9E-02	0		1.6E-02	1.2E-02	
Sum of VOC TUs			0	0		1.6E-03	0		1.6E-03	0		2.1E-03	0		1.6E-03	0		2.2E-03	0	
Sum of total TUs			0	0		5.3E-02	3.9E-02		6.3E-02	0		2.4E-01	0		5.2E-02	3.4E-05		1.8E-02	1.2E-02	

		TLM TUs	Narc TUs	B147B3	TLM TUs	Narc TUs	B147B4	TLM TUs	Narc TUs	B147B5	TLM TUs	Narc TUs	B147B6	TLM TUs	Narc TUs	B147B7	TLM TUs	Narc TUs	B147B8	TLM TUs
Group	Chemical	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	0.01	2.8E-04	--	NS	--	--	0.0005	1.4E-05	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	5.1E-04	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.0019	6.0E-05	--	NS	--
PEST	4,4'-DDT	4.0E-04	--	NS	--	--	NS	--	--	0.00098	2.8E-05	--	NS	--	--	0.0039	1.1E-04	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	1.5E-03	6.8E-04	NS	--	--	NS	--	--	ND	--	--	NS	--	--	0.04	1.3E-03	5.9E-04	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin	2.0E-04	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.099	2.4E-02	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	0.22	1.1E-02	--	0.14	6.8E-03	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.2	6.1E-02	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	3.1E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.029	1.8E-03	--	ND	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	0.052	1.7E-02	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	--	0.005	1.6E-03	--	ND	--	--	ND	--	--	0.004	1.2E-03	--	0.004	1.2E-03	--	0.006	1.9E-03
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	1.2E-03	2.5E-04	ND	--	--	ND	--	--	0.039	9.1E-03	2.0E-03	ND	--	--	0.002	4.7E-04	1.0E-04	ND	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
Sum of Pesticide TUs		2.6E-03	6.8E-04		0	0		0	0		3.1E-04	0		0	0		1.5E-03	5.9E-04		0
Sum of SVOC TUs		0	0		0	0		0	0		0	0		1.1E-02	0		9.3E-02	0		0
Sum of VOC TUs		4.2E-03	2.5E-04		1.6E-03	0		0	0		2.6E-02	2.0E-03		1.2E-03	0		3.5E-03	1.0E-04		1.9E-03
Sum of total TUs		6.9E-03	9.3E-04		1.6E-03	0		0	0		2.6E-02	2.0E-03		1.2E-02	0		9.8E-02	6.9E-04		1.9E-03

Group	Chemical	Narc TUs (TU)	B147B9 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147S1 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B147S2 2/2/2012	TLM TUs (TU)	Narc TUs (TU)	B148B1 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B148B2 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B148B3 12/22/2009	TLM TUs (TU)	Narc TUs (TU)	B149B1 1/14/2010
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	0.00062	1.6E-05	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	0.0012	3.9E-05	1.8E-05	0.0022	7.2E-05	3.3E-05	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	0.001	5.8E-05	--	ND	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
SVOC	Chrysene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	0.22	6.8E-02	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	1.4
SVOC	Pyrene	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	0.016	9.8E-04	--	0.064	3.9E-03	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	0.007	8.9E-04	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	0.003	6.0E-04	--	ND	--	--	0.003	6.0E-04	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	0.004	1.2E-03	--	ND	--	--	ND	--	--	ND	--	--	0.007	2.2E-03	--	0.014	4.3E-03	--	0.006
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	0.066	1.5E-02	3.4E-03	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
	Sum of Pesticide TUs	0		0	0		0	0		0	0		9.7E-05	1.8E-05		8.8E-05	3.3E-05		0	0	
	Sum of SVOC TUs	0		6.8E-02	0		0	0		0	0		0	0		0	0		0	0	
	Sum of VOC TUs	0		1.2E-03	0		1.9E-03	0		2.0E-02	3.4E-03		0	0		2.8E-03	0		4.3E-03	0	
	Sum of total TUs	0		6.9E-02	0		1.9E-03	0		2.0E-02	3.4E-03		9.7E-05	1.8E-05		2.9E-03	3.3E-05		4.3E-03	0	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B149B2 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B3 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B4 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B5 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149S1 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B1 1/4/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	6.883	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.305	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	7.188	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.052	9.3E-03	7.6E-04
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14	9.9E-03	7.6E-03
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.66	3.2E-02	2.5E-02
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.35	1.5E-02	1.2E-02
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.91	3.8E-02	3.6E-02
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.17	5.8E-03	1.0E-03
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.43	1.8E-02	1.8E-02
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.17	2.9E-02	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1	4.9E-02	4.1E-02
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.063	2.3E-03	2.0E-03
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.5	8.8E-02	6.5E-02
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.2	7.3E-03	7.0E-03
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	4.3E-01	--	0.51	1.6E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6	9.4E-02	5.0E-02
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.002	4.0E-04	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Methylene chloride	1.9E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	0.008	2.5E-03	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
	Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs	4.3E-01	0		1.6E-01	0		0	0		0	0		0	0		0	0		4.0E-01	2.6E-01
	Sum of VOC TUs	1.9E-03	0		0	0		0	0		0	0		0	0		0	0		2.9E-03	0
	Sum of total TUs	4.3E-01	0		1.6E-01	0		0	0		0	0		0	0		0	0		4.0E-01	2.6E-01

Group	Chemical	B150151B2 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B3 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B152S1 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B152S2 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B152S3 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B153B1 12/21/2009	TLM TUs (TU)	Narc TUs (TU)	B153B2 12/21/2009	TLM TUs (TU)
PEST	Aldrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	0.00051	1.3E-05	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	0.0026	8.5E-05	3.8E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	0.00038	1.2E-05	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.007	2.2E-03	--	0.007	2.2E-03	--	NS	--	--	NS	--	--	NS	--	--	0.012	3.7E-03	--	0.005	1.6E-03
VOC	Naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
Sum of Pesticide TUs			1.1E-04	3.8E-05		0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs			0	0		0	0		0	0		0	0		0	0		0	0		0
Sum of VOC TUs			2.2E-03	0		2.2E-03	0		0	0		0	0		0	0		3.7E-03	0		1.6E-03
Sum of total TUs			2.3E-03	3.8E-05		2.2E-03	0		0	0		0	0		0	0		3.7E-03	0		1.6E-03

		Narc TUs	B153B3	TLM TUs	Narc TUs	B153S1	TLM TUs	Narc TUs	B154B1	TLM TUs	Narc TUs	B154S1	TLM TUs	Narc TUs	B154S2	TLM TUs	Narc TUs	B155B1	TLM TUs	Narc TUs	B155B2	TLM TUs
Group	Chemical	(TU)	12/21/2009	(TU)	(TU)	12/21/2009	(TU)	(TU)	1/12/2010	(TU)	(TU)	1/12/2010	(TU)	(TU)	1/12/2010	(TU)	(TU)	1/7/2010	(TU)	(TU)	1/7/2010	(TU)
PEST	Aldrin	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	beta-BHC	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	--	0.00059	2.7E-05	5.4E-06	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDD	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Dieldrin	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	--	0.0016	5.2E-05	2.4E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0025	8.2E-05
PEST	Endosulfan sulfate	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	--	0.0031	9.6E-05	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	0.72	2.2E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	0.016	9.8E-04	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	0.016	9.8E-04
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.021	6.5E-03	--	0.014	4.3E-03	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
	Sum of Pesticide TUs	0		1.8E-04	2.9E-05		0	0		0	0		0	0		0	0		0	0		8.2E-05
	Sum of SVOC TUs	0		2.2E-01	0		0	0		0	0		0	0		0	0		0	0		0
	Sum of VOC TUs	0		6.5E-03	0		5.3E-03	0		0	0		0	0		0	0		0	0		9.8E-04
	Sum of total TUs	0		2.3E-01	2.9E-05		5.3E-03	0		0	0		0	0		0	0		0	0		1.1E-03

Group	Chemical	Narc TUs (TU)	B155B3 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155B4 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155S1 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B155S2 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B156B1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	B156S1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	B156S2 2/3/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	3.7E-05	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.32	8.1E-02	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	0.1	2.2E-02	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	0.018	1.1E-03	--	ND	--	--	NS	--	--	NS	--	--	0.01	6.1E-04	--	NS	--	--	NS	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.001	2.4E-04	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.002	4.0E-04	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	0.002	6.2E-04	--	0.005	1.6E-03	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
	Sum of Pesticide TUs	3.7E-05		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs	0		0	0		0	0		0	0		2.2E-02	0		8.1E-02	0		0	0		0	0
	Sum of VOC TUs	0		1.7E-03	0		1.6E-03	0		0	0		0	0		1.2E-03	0		0	0		0	0
	Sum of total TUs	3.7E-05		1.7E-03	0		1.6E-03	0		0	0		2.2E-02	0		8.3E-02	0		0	0		0	0

Group	Chemical	BERS1 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BGS10S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS11S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS12S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS1S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of total TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0

Group	Chemical	BGS2S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS3S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS4S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS5S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS6S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS7S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS8S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of total TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

		BGS9S1	TLM TUs	Narc TUs	BORROWAREAS1	TLM TUs	Narc TUs	BPB1	TLM TUs	Narc TUs	BPB2	TLM TUs	Narc TUs	BPS1	TLM TUs	Narc TUs	BPS2	TLM TUs	Narc TUs
Group	Chemical	12/10/2010	(TU)	(TU)	12/10/2010	(TU)	(TU)	1/26/2010	(TU)	(TU)	1/26/2010	(TU)	(TU)	1/25/2010	(TU)	(TU)	1/25/2010	(TU)	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	ND	--	--	0.25	1.2E-02	--	0.16	7.7E-03	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.61	1.4E-01	--	0.92	2.0E-01	--
SVOC	CS	NS	--	--	NS	--	--	ND	--	--	ND	--	--	1.8	2.9E-01	--	ND	--	--
SVOC	Chrysene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	1.4E-02	1.7E-03	0.79	1.1E-01	1.3E-02
SVOC	Dimethyl phthalate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	NS	--	--	ND	--	--	0.84	7.6E-02	9.7E-03	ND	--	--	0.11	1.0E-02	1.3E-03	0.13	1.2E-02	1.5E-03
SVOC	1,2-Diphenylhydrazine	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.72	2.2E-01	--	ND	--	--
SVOC	Pyrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	NS	--	--	ND	--	--	ND	--	--	0.0009	1.0E-04	4.3E-05	0.0009	1.0E-04	4.3E-05	ND	--	--
VOC	2-Butanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	NS	--	--	ND	--	--	ND	--	--	0.002	1.9E-04	8.1E-05	ND	--	--	ND	--	--
VOC	Trichloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs			0	0		0	0		8.8E-02	9.7E-03		7.7E-03	0		6.7E-01	3.0E-03		3.3E-01	1.5E-02
Sum of VOC TUs			0	0		0	0		0	0		2.9E-04	1.2E-04		1.0E-04	4.3E-05		0	0
Sum of total TUs			0	0		0	0		8.8E-02	9.7E-03		8.0E-03	1.2E-04		6.7E-01	3.0E-03		3.3E-01	1.5E-02

Group	Chemical	BVLS1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B2 1/19/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B3 1/19/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B4 12/15/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B5 12/15/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B6 1/3/2012	TLM TUs (TU)	Narc TUs (TU)	DA23S1 1/19/2010	TLM TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	beta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0021	5.4E-05
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.025	8.2E-04
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.00045	1.5E-05
PEST	Endrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	30.89	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	11.103	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	41.993	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	1.4	1.2E-01	1.2E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Aniline	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Anthracene	ND	--	--	1.4	9.9E-02	7.6E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	3.3	1.6E-01	1.2E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	2.3	9.8E-02	7.9E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	3	1.3E-01	1.2E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	1.4	4.8E-02	8.3E-03	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	1.3	5.5E-02	5.4E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	0.08	1.4E-02	1.3E-03	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Carbazole	ND	--	--	1	1.7E-01	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	CS	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Chrysene	ND	--	--	3.6	1.8E-01	1.5E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	0.39	1.4E-02	1.2E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	0.63	9.7E-02	6.0E-03	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	8.4	4.9E-01	3.6E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Fluorene	ND	--	--	0.83	6.6E-02	5.1E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	1.3	4.7E-02	4.6E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	0.14	2.7E-02	9.7E-03	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	0.21	4.0E-02	1.6E-02	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	7.1	5.1E-01	5.1E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Pyrene	ND	--	--	5.9	3.5E-01	1.8E-01	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Acetone	NS	--	--	0.008	4.9E-04	--	ND	--	--	0.031	1.9E-03	--	NS	--	--	ND	--	--	NS	--
VOC	Benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Butanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	sec-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	tert-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Isopropylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	p-Isopropyltoluene	NS	--	--	ND	--	--	ND	--	--	0.002	4.0E-04	--	0.003	6.0E-04	--	ND	--	--	NS	--
VOC	1,2-Dichloroethane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.009	2.6E-03	--	NS	--
VOC	cis-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	trans-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Ethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Hexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methyl acetate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylcyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylene chloride	NS	--	--	0.007	2.2E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Propyl benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Styrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	t-Butyl alcohol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Tetrachloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Toluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Trichloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Vinyl chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Xylenes (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0		8.9E-04
	Sum of SVOC TUs		0	0		2.7	1.9		0	0		0	0		0	0		0	0		0
	Sum of VOC TUs		0	0		2.7E-03	0		0	0		2.3E-03	0		6.0E-04	0		2.6E-03	0		0
	Sum of total TUs		0	0		2.7	1.9		0	0		2.3E-03	0		6.0E-04	0		2.6E-03	0		8.9E-04

Group	Chemical	Narc TUs (TU)	Debris Area 1S1 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	Debris Area 1S2 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	Debris Area 1S3 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S10 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S12 12/20/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	3.7E-04	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Acetone	--	0.05	3.1E-03	--	ND	--	--	0.075	4.6E-03	--	NS	--	--	NS	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	ND	--	--	0.003	9.3E-04	--	ND	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
Sum of Pesticide TUs		3.7E-04		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0		0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs		0		3.1E-03	0		9.3E-04	0		4.6E-03	0		0	0		0	0
Sum of total TUs		3.7E-04		3.1E-03	0		9.3E-04	0		4.6E-03	0		0	0		0	0

Group	Chemical	DEBRISAREA1S13 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S14 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S15 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S16 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S17 1/3/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs			0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs			0	0		0	0		0	0		0	0		0	0
Sum of total TUs			0	0		0	0		0	0		0	0		0	0

Group	Chemical	DEBRISAREA1S18 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S19 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S4 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S5 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S6 12/20/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs			0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs			0	0		0	0		0	0		0	0		0	0
Sum of total TUs			0	0		0	0		0	0		0	0		0	0

Group	Chemical	DEBRISAREA1S6 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S6 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S8 1/3/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0
	Sum of total TUs		0	0		0	0		0	0		0	0		0	0

Group	Chemical	DEBRISAREA1S9 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREAS11 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DUMPS1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	DUMPTP1 4/7/2010	TLM TUs (TU)	Narc TUs (TU)	DUMPTP3 4/7/2010	TLM TUs (TU)	Narc TUs (TU)	DUMPTP5 4/7/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.472	--	--	ND	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.64	--	--	ND	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.049	2.1E-03	1.7E-03	ND	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.065	2.7E-03	2.6E-03	ND	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.056	1.9E-03	3.3E-04	ND	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.059	2.9E-03	2.4E-03	ND	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.073	4.3E-03	3.2E-03	ND	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.074	4.4E-03	2.3E-03	ND	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs			0	0		0	0		0	0		0	0		1.8E-02	1.2E-02		0	0
Sum of VOC TUs			0	0		0	0		0	0		0	0		0	0		0	0
Sum of total TUs			0	0		0	0		0	0		0	0		1.8E-02	1.2E-02		0	0

Group	Chemical	PSOB1	TLM TUs	Narc TUs	TAS1	TLM TUs	Narc TUs	TAS2	TLM TUs	Narc TUs	TAS3	TLM TUs	Narc TUs	TAS4	TLM TUs	Narc TUs	TAS5	TLM TUs	Narc TUs	TAS6	TLM TUs
		1/19/2010	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009	(TU)	(TU)	11/24/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	12/11/2009	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Butanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Hexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methyl acetate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylene chloride	0.007	2.2E-03	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Naphthalene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Styrene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Toluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
Sum of Pesticide TUs			0	0		0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs			0	0		0	0		0	0		0	0		0	0		0	0		0
Sum of VOC TUs			2.2E-03	0		0	0		0	0		0	0		0	0		0	0		0
Sum of total TUs			2.2E-03	0		0	0		0	0		0	0		0	0		0	0		0

Group	Chemical	Narc TUs (TU)	TAS7 11/24/2009	TLM TUs (TU)	Narc TUs (TU)	TAS8 11/24/2009	TLM TUs (TU)	Narc TUs (TU)	TRA1S1 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S2 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S3 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA1S4 2/8/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S1 2/9/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
	Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of SVOC TUs	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0
	Sum of total TUs	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0

Group	Chemical	TRA2S2 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S3 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S4 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S5 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S6 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S1 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S10 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S2 2/10/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.25	6.4E-02	--	ND	--	--	0.39	9.9E-02	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
	Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of SVOC TUs		0	0		0	0		0	0		0	0		6.4E-02	0		0	0		9.9E-02	0	
	Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of total TUs		0	0		0	0		0	0		0	0		6.4E-02	0		0	0		9.9E-02	0	

M5-4B: Surface Soil EqP Toxic Units at 3% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	TRA3S3	TLM TUs	Narc TUs	TRA3S4	TLM TUs	Narc TUs	TRA3S5	TLM TUs	Narc TUs	TRA3S6	TLM TUs	Narc TUs	TRA3S7	TLM TUs	Narc TUs	TRA3S8	TLM TUs	Narc TUs	TRA3S9
Group	Chemical	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/10/2010	(TU)	(TU)	2/10/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/10/2010
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
	Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0	
	Sum of total TUs	0	0		0	0		0	0		0	0		0	0		0	0		0	0	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--
PEST	beta-BHC	--	--
PEST	delta-BHC	--	--
PEST	Lindane	--	--
PEST	Chlordane (total)	--	--
PEST	4,4'-DDD	--	--
PEST	4,4'-DDE	--	--
PEST	4,4'-DDT	--	--
PEST	Dieldrin	--	--
PEST	Endosulfan	--	--
PEST	Endosulfan sulfate	--	--
PEST	Endrin	--	--
PEST	Endrin aldehyde	--	--
PEST	Heptachlor epoxide	--	--
PEST	Methoxychlor	--	--
PEST	2,4,5-T	--	--
SVOC	PAHs (High MW)	--	--
SVOC	PAHs (Low MW)	--	--
SVOC	PAHs (total)	--	--
SVOC	Acenaphthene	--	--
SVOC	Acenaphthylene	--	--
SVOC	Acetophenone	--	--
SVOC	Aniline	--	--
SVOC	Anthracene	--	--
SVOC	Benzo(a)anthracene	--	--
SVOC	Benzo(a)pyrene	--	--
SVOC	Benzo(b)fluoranthene	--	--
SVOC	Benzo(g,h,i)perylene	--	--
SVOC	Benzo(k)fluoranthene	--	--
SVOC	Benzoic acid	--	--
SVOC	1,1'-Biphenyl	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--
SVOC	Butylbenzylphthalate	--	--
SVOC	Carbazole	--	--
SVOC	4-Chloro-3-methylphenol	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--
SVOC	CS	--	--
SVOC	Chrysene	--	--
SVOC	Dibenzo(a,h)anthracene	--	--
SVOC	Dibenzofuran	--	--
SVOC	Diethylphthalate	--	--
SVOC	Dimethyl phthalate	--	--
SVOC	Dibutyl phthalate	--	--
SVOC	1,2-Diphenylhydrazine	--	--
SVOC	Fluoranthene	--	--
SVOC	Fluorene	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--
SVOC	Benzophenone	--	--
SVOC	1-Methylnaphthalene	--	--
SVOC	2-Methyl naphthalene	--	--
SVOC	3-Nitroaniline	--	--
SVOC	Phenanthrene	--	--
SVOC	Phenol	--	--
SVOC	Pyrene	--	--
SVOC	2,4,6-Trichlorophenol	--	--
VOC	Acetone	--	--
VOC	Benzene	--	--
VOC	2-Butanone	--	--
VOC	n-Butylbenzene	--	--
VOC	sec-Butylbenzene	--	--
VOC	tert-Butylbenzene	--	--
VOC	Isopropylbenzene	--	--
VOC	Cyclohexane	--	--
VOC	Cyclohexanone	--	--
VOC	p-Isopropyltoluene	--	--
VOC	1,2-Dichloroethane	--	--
VOC	cis-1,2-Dichloroethene	--	--
VOC	trans-1,2-Dichloroethene	--	--
VOC	Ethylbenzene	--	--
VOC	2-Hexanone	--	--
VOC	Methyl acetate	--	--
VOC	Methylcyclohexane	--	--
VOC	Methylene chloride	--	--
VOC	Naphthalene	--	--
VOC	n-Propyl benzene	--	--
VOC	Styrene	--	--
VOC	t-Butyl alcohol	--	--
VOC	Tetrachloroethylene	--	--
VOC	Toluene	--	--
VOC	Trichloroethylene	--	--
VOC	1,2,4-Trimethylbenzene	--	--
VOC	1,3,5-Trimethylbenzene	--	--
VOC	Vinyl chloride	--	--
VOC	Xylenes (total)	--	--

Sum of Pesticide TUs	0	0
Sum of SVOC TUs	0	0
Sum of VOC TUs	0	0
Sum of total TUs	0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

CASRN	Group	Chemical	TLM WQB (mg/L)	Narcosis SCV or FCV WQB (mg/L)	Log Kow	Log Koc	Soil Quality Benchmark (TLM) (mg/kg)	Soil Quality Benchmark (Narc) (mg/kg)	APDA789B1 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B2 1/22/2010
309-00-2	PEST	Aldrin	4.8E-04	no value	6.5E+00	6.4E+00	1.2E+01	--	ND	--	--	12
319-85-7	PEST	beta-BHC	1.3E-01	3.1E-01	3.8E+00	3.7E+00	7.1E+00	1.7E+01	ND	--	--	ND
319-86-8	PEST	delta-BHC	6.2E-02	3.1E-01	4.1E+00	4.1E+00	7.3E+00	3.6E+01	ND	--	--	ND
58-89-9	PEST	Lindane	1.5E-01	3.4E-01	3.7E+00	3.7E+00	7.0E+00	1.6E+01	ND	--	--	ND
57-74-9	PEST	Chlordane (total)	8.0E-04	no value	6.3E+00	6.2E+00	1.3E+01	--	ND	--	--	ND
72-54-8	PEST	4,4'-DDD	1.0E-03	no value	6.1E+00	6.0E+00	1.0E+01	--	ND	--	--	ND
72-55-9	PEST	4,4'-DDE	2.4E-04	no value	6.8E+00	6.6E+00	1.1E+01	--	ND	--	--	ND
50-29-3	PEST	4,4'-DDT	4.4E-04	no value	6.5E+00	6.4E+00	1.2E+01	--	ND	--	--	ND
60-57-1	PEST	Dieldrin	5.8E-03	no value	5.4E+00	5.3E+00	1.1E+01	--	ND	--	--	ND
115-29-7	PEST	Endosulfan	9.5E-02	2.1E-01	4.1E+00	4.0E+00	1.0E+01	2.3E+01	ND	--	--	ND
1031-07-8	PEST	Endosulfan sulfate	2.5E-01	no value	3.7E+00	3.6E+00	1.0E+01	--	ND	--	--	ND
72-20-8	PEST	Endrin	1.1E-02	no value	5.1E+00	5.0E+00	1.1E+01	--	ND	--	--	ND
7421-93-4	PEST	Endrin aldehyde	2.1E-02	no value	4.8E+00	4.7E+00	1.0E+01	--	ND	--	--	ND
1024-57-3	PEST	Heptachlor epoxide	1.3E-02	no value	5.0E+00	4.9E+00	1.1E+01	--	ND	--	--	ND
72-43-5	PEST	Methoxychlor	9.8E-03	2.2E-02	5.1E+00	5.0E+00	9.6E+00	2.2E+01	ND	--	--	ND
93-76-5	PEST	2,4,5-T	4.8E-01	no value	3.1E+00	3.1E+00	5.9E+00	--	NS	--	--	NS
130498-29-2H	SVOC	PAHs (High MW)	--	--	--	--	--	--	ND	--	--	ND
130498-29-2L	SVOC	PAHs (Low MW)	--	--	--	--	--	--	ND	--	--	ND
130498-29-2	SVOC	PAHs (total)	--	--	--	--	--	--	ND	--	--	ND
83-32-9	SVOC	Acenaphthene	5.3E-02	5.6E-02	3.9E+00	3.9E+00	3.8E+00	4.0E+00	ND	--	--	ND
208-96-8	SVOC	Acenaphthylene	2.5E-02	3.1E-01	3.9E+00	3.9E+00	1.9E+00	2.3E+01	ND	--	--	ND
98-86-2	SVOC	Acetophenone	3.2E+00	no value	1.6E+00	1.6E+00	1.8E+00	--	ND	--	--	ND
62-53-3	SVOC	Aniline	1.1E+01	no value	9.0E-01	8.8E-01	2.9E+00	--	ND	--	--	ND
120-12-7	SVOC	Anthracene	1.6E-02	2.1E-02	4.6E+00	4.5E+00	4.7E+00	6.2E+00	ND	--	--	ND
56-55-3	SVOC	Benzo(a)anthracene	1.7E-03	2.2E-03	5.7E+00	5.6E+00	6.8E+00	8.9E+00	ND	--	--	ND
50-32-8	SVOC	Benzo(a)pyrene	7.7E-04	9.6E-04	6.1E+00	6.0E+00	7.9E+00	9.7E+00	ND	--	--	ND
205-99-2	SVOC	Benzo(b)fluoranthene	6.4E-04	6.8E-04	6.2E+00	6.1E+00	7.9E+00	8.4E+00	ND	--	--	ND
191-24-2	SVOC	Benzo(g,h,i)perylene	7.6E-05	4.4E-04	7.2E+00	7.1E+00	9.7E+00	5.6E+01	ND	--	--	ND
207-08-9	SVOC	Benzo(k)fluoranthene	6.4E-04	6.4E-04	6.2E+00	6.1E+00	7.9E+00	8.0E+00	ND	--	--	ND
65-85-0	SVOC	Benzoic acid	1.8E+00	no value	1.9E+00	1.8E+00	1.5E+00	--	ND	--	--	ND
92-52-4	SVOC	1,1'-Biphenyl	1.8E-02	1.9E-01	4.1E+00	4.0E+00	1.9E+00	2.0E+01	ND	--	--	ND
117-81-7	SVOC	bis (2-Ethylhexyl) phthalate	4.6E-05	no value	7.3E+00	7.2E+00	6.9E+00	--	ND	--	--	ND
85-68-7	SVOC	Butylbenzylphthalate	7.4E-03	5.8E-02	4.8E+00	4.8E+00	4.2E+00	3.3E+01	ND	--	--	ND
86-74-8	SVOC	Carbazole	5.8E-02	no value	3.6E+00	3.5E+00	2.0E+00	--	ND	--	--	ND
59-50-7	SVOC	4-Chloro-3-methylphenol	1.4E-01	no value	3.1E+00	3.0E+00	1.6E+00	--	ND	--	--	ND
89-98-5	SVOC	ortho-Chlorobenzaldehyde	7.1E-01	no value	2.4E+00	2.3E+00	1.6E+00	--	ND	--	--	ND
2698-41-1	SVOC	CS	3.9E-01	no value	2.8E+00	2.7E+00	2.1E+00	--	ND	--	--	ND
218-01-9	SVOC	Chrysene	1.7E-03	2.0E-03	5.7E+00	5.6E+00	6.8E+00	8.2E+00	ND	--	--	ND
53-70-3	SVOC	Dibenzo(a,h)anthracene	2.4E-04	2.8E-04	6.7E+00	6.6E+00	9.2E+00	1.1E+01	ND	--	--	ND
132-64-9	SVOC	Dibenzofuran	1.0E-02	1.7E-01	4.4E+00	4.3E+00	2.2E+00	3.5E+01	ND	--	--	ND
84-66-2	SVOC	Diethylphthalate	8.1E-01	6.7E+00	2.5E+00	2.5E+00	2.5E+00	2.1E+01	ND	--	--	ND
131-11-3	SVOC	Dimethyl phthalate	2.8E+00	no value	1.9E+00	1.8E+00	2.4E+00	--	ND	--	--	ND
84-74-2	SVOC	Dibutyl phthalate	1.1E-02	8.5E-02	4.6E+00	4.5E+00	3.7E+00	2.9E+01	ND	--	--	ND
122-66-7	SVOC	1,2-Diphenylhydrazine	2.6E-01	no value	2.9E+00	2.9E+00	2.1E+00	--	ND	--	--	ND
206-44-0	SVOC	Fluoranthene	5.2E-03	7.1E-03	5.1E+00	5.0E+00	5.7E+00	7.7E+00	ND	--	--	ND
86-73-7	SVOC	Fluorene	3.1E-02	3.9E-02	4.2E+00	4.1E+00	4.2E+00	5.4E+00	ND	--	--	ND
193-39-5	SVOC	Indeno(1,2,3-c,d)pyrene	2.6E-04	2.8E-04	6.7E+00	6.5E+00	9.1E+00	9.5E+00	ND	--	--	ND
119-61-9	SVOC	Benzophenone	2.9E-02	no value	4.0E+00	3.9E+00	2.2E+00	--	ND	--	--	ND
90-12-0	SVOC	1-Methylnaphthalene	2.7E-02	7.5E-02	3.9E+00	3.8E+00	1.7E+00	4.8E+00	ND	--	--	ND
91-57-6	SVOC	2-Methyl naphthalene	2.8E-02	7.2E-02	3.9E+00	3.8E+00	1.7E+00	4.5E+00	ND	--	--	ND
99-09-2	SVOC	3-Nitroaniline	5.8E+00	no value	1.4E+00	1.3E+00	2.4E+00	--	ND	--	--	ND
85-01-8	SVOC	Phenanthrene	1.9E-02	1.9E-02	4.5E+00	4.4E+00	4.6E+00	4.6E+00	ND	--	--	ND
108-95-2	SVOC	Phenol	3.1E+00	no value	1.5E+00	1.5E+00	1.5E+00	--	ND	--	--	ND
129-00-0	SVOC	Pyrene	5.4E-03	1.0E-02	5.1E+00	5.0E+00	5.7E+00	1.1E+01	ND	--	--	ND
88-06-2	SVOC	2,4,6-Trichlorophenol	5.4E-02	no value	3.7E+00	3.6E+00	2.4E+00	--	ND	--	--	ND
67-64-1	VOC	Acetone	7.8E+01	no value	-2.4E-01	-2.4E-01	1.5E+01	--	ND	--	--	ND
71-43-2	VOC	Benzene	2.2E+00	5.3E+00	2.1E+00	2.1E+00	3.2E+00	7.6E+00	0.0006	1.9E-04	7.9E-05	ND
78-93-3	VOC	2-Butanone	3.2E+01	no value	2.8E-01	2.8E-01	6.6E+00	--	ND	--	--	ND
104-51-8	VOC	n-Butylbenzene	1.3E-02	no value	4.2E+00	4.1E+00	1.7E+00	--	ND	--	--	ND
135-98-8	VOC	sec-Butylbenzene	1.2E-02	no value	4.2E+00	4.2E+00	1.7E+00	--	ND	--	--	ND
98-06-6	VOC	tert-Butylbenzene	1.5E-02	no value	4.1E+00	4.0E+00	1.7E+00	--	ND	--	--	ND
98-82-8	VOC	Isopropylbenzene	5.1E-02	no value	3.5E+00	3.4E+00	1.4E+00	--	ND	--	--	ND
110-82-7	VOC	Cyclohexane	4.1E-02	no value	3.4E+00	3.4E+00	9.9E-01	--	ND	--	--	ND
108-94-1	VOC	Cyclohexanone	1.4E+01	no value	8.1E-01	8.0E-01	3.5E+00	--	ND	--	--	ND
99-87-6	VOC	p-Isopropyltoluene	1.6E-02	no value	4.1E+00	4.0E+00	1.7E+00	--	ND	--	--	ND
107-06-2	VOC	1,2-Dichloroethane	3.3E+00	no value	1.5E+00	1.4E+00	1.6E+00	--	ND	--	--	ND
156-59-2	VOC	cis-1,2-Dichloroethene	1.4E+00	no value	1.9E+00	1.8E+00	1.2E+00	--	ND	--	--	ND
156-60-5	VOC	trans-1,2-Dichloroethene	9.0E-01	no value	2.1E+00	2.0E+00	1.1E+00	--	ND	--	--	ND
100-41-4	VOC	Ethylbenzene	9.8E-02	7.9E-01	3.1E+00	3.1E+00	1.2E+00	9.8E+00	ND	--	--	ND
591-78-6	VOC	2-Hexanone	4.1E+00	no value	1.4E+00	1.4E+00	1.7E+00	--	ND	--	--	ND
79-20-9	VOC	Methyl acetate	4.0E+01	no value	1.8E-01	1.8E-01	8.3E+00	--	ND	--	--	ND
108-87-2	VOC	Methylcyclohexane	1.3E-01	no value	3.0E+00	2.9E+00	1.1E+00	--	ND	--	--	ND
75-09-2	VOC	Methylene chloride	4.6E+00	no value	1.3E+00	1.2E+00	1.7E+00	--	ND	--	--	ND
91-20-3	VOC	Naphthalene	7.4E-02	1.9E-01	3.4E+00	3.3E+00	1.5E+00	3.9E+00	ND	--	--	ND
103-65-1	VOC	n-Propyl benzene	3.5E-02	no value	3.7E+00	3.6E+00	1.4E+00	--	ND	--	--	ND
100-42-5	VOC	Styrene	1.5E-01	no value	2.9E+00	2.9E+00	1.2E+00	--	ND	--	--	ND
75-65-0	VOC	t-Butyl alcohol	2.8E+01	no value	3.5E-01	3.4E-01	6.0E+00	--	ND	--	--	ND
127-18-4	VOC	Tetrachloroethylene	4.2E-01	2.0E+00	2.7E+00	2.6E+00	1.9E+00	8.8E+00	ND	--	--	ND
108-88-3	VOC	Toluene	6.9E-01	1.6E+00	2.8E+00	2.7E+00	3.6E+00	8.4E+00	0.002	5.5E-04	2.4E-04	0.002
79-01-6	VOC	Trichloroethylene	3.1E-01	1.4E+00	2.7E+00	2.7E+00	1.5E+00	6.7E+00	ND	--	--	ND
95-63-6	VOC	1,2,4-Trimethylbenzene	2.8E-02	no value	3.8E+00	3.7E+00	1.5E+00	--	ND	--	--	ND
108-67-8	VOC	1,3,5-Trimethylbenzene	1.7E-02	no value	4.0E+00	3.9E+00	1.5E+00	--	ND	--	--	ND
75-01-4	VOC	Vinyl chloride	2.0E+00	no value	1.5E+00	1.5E+00	9.7E-01	--	ND	--	--	ND
1330-20-7	VOC	Xylenes (total)	9.2E-02	no value	3.2E+00	3.1E+00	1.2E+00	--	ND	--	--	ND

Sum of Pesticide TUs	0	0	
Sum of SVOC TUs	0	0	
Sum of VOC TUs	7.4E-04	3.2E-04	
Sum of total TUs	7.4E-04	3.2E-04	

0.191	Soil moisture θm
0.01	Soil foc
0.999	Water density ρw

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	APDA789B3 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B4 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B5 1/22/2010	TLM TUs (TU)	Narc TUs (TU)	APDA789B6 1/22/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	1.0	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	beta-BHC	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Lindane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Chlordane (total)	--	--	ND	--	--	0.0018	1.4E-04	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Dieldrin	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	--	--	ND	--	--	ND	--	--	0.00046	4.5E-05	2.0E-05	ND	--	--
PEST	Endosulfan sulfate	--	--	ND	--	--	ND	--	--	ND	--	--	0.0013	1.3E-04	--
PEST	Endrin	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endrin aldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Heptachlor epoxide	--	--	0.00091	8.5E-05	--	ND	--	--	0.0031	2.9E-04	--	0.00043	4.0E-05	--
PEST	Methoxychlor	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	1.7	1.1	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	0.015	9.7E-04	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	5.5E-04	2.4E-04	ND	--	--	0.002	5.5E-04	2.4E-04	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	1.0	0		8.5E-05	0		1.4E-04	0		3.3E-04	2.0E-05		1.7E-04	0
Sum of SVOC TUs	0	0		1.1	0		0	0		0	0		0	0
Sum of VOC TUs	5.5E-04	2.4E-04		0	0		5.5E-04	2.4E-04		0	0		9.7E-04	0
Sum of total TUs	1.0	2.4E-04		1.1	0		6.9E-04	2.4E-04		3.3E-04	2.0E-05		1.1E-03	0

Soil quality benchmarks are calculated as:

$$SQB\left(\frac{ug}{kg}\right) = WQB\left(\frac{ug}{L}\right) x \left[foc\ x\ Koc + \left(\frac{\theta m}{\rho w}\right)\right]$$

Where:
SQB = Soil or Sediment Quality Benchmark (ug/kg)
WQB =Water Quality Benchmark (ug/L) from TLM.
foc =Organic carbon fraction (kg organic carbon/kg soil or sediment).
Kow = octanol-water partition coefficient (L/kg). Specific to each chemical.

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		APDA789B7	TLM TUs	Narc TUs	APDA789B8	TLM TUs	Narc TUs	APDA789S1	TLM TUs	Narc TUs	APDA789S2	TLM TUs	Narc TUs	B103B1
Group	Chemical	1/25/2010	(TU)	(TU)	1/22/2010	(TU)	(TU)	12/15/2010	(TU)	(TU)	12/15/2010	(TU)	(TU)	12/10/2009
PEST	Aldrin	ND	--	--	ND	--	--	ND	--	--	0.00026	2.2E-05	--	NS
PEST	beta-BHC	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	ND	--	--	0.0045	6.1E-04	1.2E-04	NS	--	--	NS	--	--	NS
PEST	Lindane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	0.0032	2.5E-04	--	0.0017	1.3E-04	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	ND	--	--	0.0031	3.1E-04	--	NS	--	--	NS	--	--	NS
PEST	Endrin	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	ND	--	--	0.0069	7.2E-04	3.2E-04	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	1.472
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.4165
SVOC	PAHs (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	1.8885
SVOC	Acenaphthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.066
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.17
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.12
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.17
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.068
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.057
SVOC	Benzoic acid	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	0.14	8.8E-02	--	NS	--	--	NS	--	--	ND
SVOC	CS	ND	--	--	0.39	1.8E-01	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.15
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.34
SVOC	Fluorene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.067
SVOC	Benzophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.25
SVOC	Phenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.31
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Acetone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Benzene	0.001	3.1E-04	1.3E-04	ND	--	--	NS	--	--	NS	--	--	ND
VOC	2-Butanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	n-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Isopropylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Ethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	2-Hexanone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methyl acetate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methylcyclohexane	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Methylene chloride	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.005
VOC	Naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	n-Propyl benzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Styrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Toluene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Trichloroethylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Vinyl chloride	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND
VOC	Xylenes (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND

Sum of Pesticide TUs		2.5E-04	0		1.8E-03	4.4E-04		0	0		2.2E-05	0	
Sum of SVOC TUs		0	0		2.7E-01	0		0	0		0	0	
Sum of VOC TUs		3.1E-04	1.3E-04		0	0		0	0		0	0	
Sum of total TUs		5.6E-04	1.3E-04		2.7E-01	4.4E-04		0	0		2.2E-05	0	

Log Koc = 0.00028 + 0.983 x log Kow (USEPA 2008)
Koc = Organic carbon partition coefficient (L/kg). Specific to each chemical.
θm = Moisture content of soil or sediment expressed as a fraction. Average of 19.1 for the soil samples in the top 1 foot.
ρw = Density of water (kg/L) at mean annual temperature of site. Annual mean air temperature in Asheville is 12.7C. The density of freshwater at this temperature is 0.999 g/cm3 or kg/L.

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B103B2 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B103B3 12/10/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B1 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B2 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	0.0061	5.1E-04	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.04	5.6E-03	2.3E-03
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.066	9.0E-03	1.8E-03
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	0.0095	1.4E-03	6.0E-04
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	0.0074	5.7E-04	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	0.0097	9.4E-04	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	0.05	5.2E-03	2.3E-03
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	0.216	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	0.3495	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	1.4E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	2.5E-02	1.9E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	1.5E-02	1.2E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	2.1E-02	2.0E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	7.0E-03	1.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	7.2E-03	7.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	1.4	2.0E-01	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	2.2E-02	1.8E-02	ND	--	--	0.045	6.6E-03	5.5E-03	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	6.0E-02	4.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	7.3E-03	7.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	5.4E-02	5.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	ND	--	--	0.96	6.5E-01	--	ND	--	--	ND	--	--
SVOC	Pyrene	5.5E-02	2.9E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	0.085	3.6E-02	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	3.0E-03	--	0.007	4.2E-03	--	0.003	1.8E-03	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		2.3E-02	7.0E-03
Sum of SVOC TUs	2.9E-01	2.2E-01		0	0		6.6E-01	5.5E-03		0	0		2.4E-01	0
Sum of VOC TUs	3.0E-03	0		4.2E-03	0		1.8E-03	0		0	0		0	0
Sum of total TUs	2.9E-01	2.2E-01		4.2E-03	0		6.6E-01	5.5E-03		0	0		2.6E-01	7.0E-03

ND	Not detected
SVOCs	Semivolatile organic compounds
TU	Toxic units
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B104145B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B4 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B5 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B6 12/4/2009	TLM TUs (TU)	Narc TUs (TU)	B104145B7 12/4/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	0.029	4.1E-03	1.7E-03	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.099	9.7E-03	4.4E-03	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.45	4.4E-02	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	0.0051	4.7E-04	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	0.25	1.6E-01	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	2.5	1.7	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.014	9.1E-04	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	0.005	3.0E-03	--	ND	--	--	ND	--	--	0.003	1.8E-03
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	5.5E-04
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		0	0		5.9E-02	6.1E-03		0
Sum of SVOC TUs		0	0		0	0		0	0		1.9	0		0
Sum of VOC TUs		0	0		3.9E-03	0		0	0		0	0		2.4E-03
Sum of total TUs		0	0		3.9E-03	0		0	0		1.9	6.1E-03		2.4E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B104145B8 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B1 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B10 11/30/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B11 12/3/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	2.36	--	--	2.623	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	0.1755	--	--	ND	--	--	0.656	--	--	ND	--	--
SVOC	PAHs (total)	--	0.3905	--	--	3.6905	--	--	3.279	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	0.065	1.7E-02	1.6E-02	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	0.1	2.1E-02	1.6E-02	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	0.26	3.8E-02	2.9E-02	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	0.24	3.1E-02	2.5E-02	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	0.33	4.2E-02	3.9E-02	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	0.17	1.7E-02	3.0E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	0.11	1.4E-02	1.4E-02	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	0.065	3.3E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	0.22	3.2E-02	2.7E-02	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	0.043	4.7E-03	4.0E-03	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	0.44	7.8E-02	5.7E-02	0.57	1.0E-01	7.4E-02	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	0.049	1.2E-02	9.0E-03	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	0.14	1.5E-02	1.5E-02	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	0.046	2.6E-02	1.0E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	0.38	8.2E-02	8.2E-02	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	0.4	7.1E-02	3.7E-02	0.54	9.5E-02	5.1E-02	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	0.012	7.8E-04	--	0.11	7.1E-03	--	0.027	1.8E-03	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	2.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		2.6E-02	1.0E-02		1.5E-01	9.5E-02		5.5E-01	4.0E-01		0	0
Sum of VOC TUs	2.4E-04		7.8E-04	0		7.1E-03	0		1.8E-03	0		0	0
Sum of total TUs	2.4E-04		2.7E-02	1.0E-02		1.6E-01	9.5E-02		5.6E-01	4.0E-01		0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B105139B12 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B13 12/2/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B14 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B2 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)
PEST	Aldrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	beta-BHC	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	delta-BHC	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Lindane	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	0.0022	1.7E-04	--	NS	--	--	ND	--	--	0.0042	3.2E-04	--	NS	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Dieldrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endrin	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	ND	--	--	NS	--	--	ND	--	--	0.00031	2.9E-05	--	NS	--
PEST	Methoxychlor	ND	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.432	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.1665	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.5985	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.044	6.5E-03	4.9E-03	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.042	5.3E-03	4.3E-03	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.061	7.7E-03	7.2E-03	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	0.27	1.8E-01	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.046	6.8E-03	5.6E-03	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.088	1.6E-02	1.1E-02	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.046	9.9E-03	9.9E-03	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.071	1.3E-02	6.7E-03	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.02	1.3E-03	--	NS	--	--	0.019	1.2E-03	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	0.005	3.0E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	0.002	1.4E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		1.7E-04	0		0	0		0	0		3.5E-04	0		0
Sum of SVOC TUs		0	0		1.8E-01	0		0	0		6.4E-02	5.0E-02		0
Sum of VOC TUs		4.3E-03	0		1.3E-03	0		0	0		1.2E-03	0		0
Sum of total TUs		4.5E-03	0		1.8E-01	0		0	0		6.6E-02	5.0E-02		0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B105139B3 12/3/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B4 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B5 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B6 12/1/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B7 11/30/2009
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	0.00097	1.3E-04	2.7E-05	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	0.0037	5.3E-04	2.3E-04	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	0.00056	4.3E-05	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	0.0034	2.9E-04	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	0.00053	4.8E-05	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	0.0032	3.1E-04	1.4E-04	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	0.00042	4.0E-05	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	0.013	1.3E-03	6.0E-04	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	ND	--	--	23.47	--	--	24.83	--	--	9.73	--	--	138.9
SVOC	PAHs (Low MW)	--	ND	--	--	3.8105	--	--	3.621	--	--	2.561	--	--	25.486
SVOC	PAHs (total)	--	ND	--	--	27.2805	--	--	28.451	--	--	12.291	--	--	164.386
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.7
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	0.61	1.3E-01	9.9E-02	0.57	1.2E-01	9.2E-02	ND	--	--	4.6
SVOC	Benzo(a)anthracene	--	ND	--	--	2.1	3.1E-01	2.4E-01	2.3	3.4E-01	2.6E-01	0.9	1.3E-01	1.0E-01	14
SVOC	Benzo(a)pyrene	--	ND	--	--	2.6	3.3E-01	2.7E-01	2.7	3.4E-01	2.8E-01	0.89	1.1E-01	9.2E-02	14
SVOC	Benzo(b)fluoranthene	--	ND	--	--	3	3.8E-01	3.6E-01	3.4	4.3E-01	4.0E-01	1.3	1.6E-01	1.5E-01	17
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	1.7	1.7E-01	3.0E-02	2	2.1E-01	3.6E-02	0.63	6.5E-02	1.1E-02	8.7
SVOC	Benzo(k)fluoranthene	--	ND	--	--	1.4	1.8E-01	1.8E-01	1.4	1.8E-01	1.8E-01	0.43	5.4E-02	5.4E-02	7.6
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	0.56	2.8E-01	--	ND	--	--	2.4
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	ND	--	--	2.1	3.1E-01	2.6E-01	2.2	3.2E-01	2.7E-01	0.9	1.3E-01	1.1E-01	12
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	0.47	5.1E-02	4.4E-02	0.53	5.7E-02	5.0E-02	ND	--	--	2.3
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.78
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	ND	--	--	4.3	7.6E-01	5.6E-01	4.3	7.6E-01	5.6E-01	2.1	3.7E-01	2.7E-01	29
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	1.7	1.9E-01	1.8E-01	1.8	2.0E-01	1.9E-01	0.57	6.2E-02	6.0E-02	8.3
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	2.3	4.9E-01	5.0E-01	2.1	4.5E-01	4.5E-01	1.3	2.8E-01	2.8E-01	17
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	ND	--	--	4.1	7.3E-01	3.8E-01	4.2	7.4E-01	3.9E-01	1.8	3.2E-01	1.7E-01	26
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	NS	--	--	0.072	4.7E-03	--	0.021	1.4E-03	--	0.14
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	0.011	1.7E-03	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.073
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.019
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		0	0		0	0		2.7E-03	1.0E-03	
Sum of SVOC TUs	0		0	0		4.0	3.1		4.4	3.2		1.7	1.3	
Sum of VOC TUs	0		0	0		0	0		6.3E-03	0		1.4E-03	0	
Sum of total TUs	0		0	0		4.0	3.1		4.4	3.2		1.7	1.3	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B105139B8 11/30/2009	TLM TUs (TU)	Narc TUs (TU)	B105139B9 12/2/2009	TLM TUs (TU)	Narc TUs (TU)	B106B1 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B106S1 1/18/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	0.017	1.7E-03	7.5E-04	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	0.00066	6.5E-05	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	240.8	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	--	53.6505	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	294.4505	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	4.5E-01	4.3E-01	2.6	6.8E-01	6.5E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Acenaphthylene	--	--	0.43	2.3E-01	1.9E-02	ND	--	--	ND	--	--	NS	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Anthracene	9.8E-01	7.5E-01	12	2.6	1.9	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)anthracene	2.1	1.6	25	3.7	2.8	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(a)pyrene	1.8	1.4	22	2.8	2.3	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	2.1	2.0	29	3.7	3.4	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	9.0E-01	1.5E-01	14	1.4	2.5E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	9.6E-01	9.5E-01	12	1.5	1.5	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	2.1	3.0E-01	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Carbazole	1.2	--	2	1.0	--	ND	--	--	ND	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	1.8	1.5	23	3.4	2.8	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	2.5E-01	2.2E-01	3.8	4.1E-01	3.6E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibenzofuran	3.6E-01	2.2E-02	1.7	7.8E-01	4.8E-02	ND	--	--	ND	--	--	NS	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluoranthene	5.1	3.8	51	9.0	6.6	ND	--	--	ND	--	--	NS	--	--
SVOC	Fluorene	3.8E-01	3.0E-01	4.2	1.0E+00	7.8E-01	ND	--	--	ND	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	9.1E-01	8.8E-01	13	1.4	1.4	ND	--	--	ND	--	--	NS	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenanthrene	3.7	3.7	34	7.3	7.3	ND	--	--	ND	--	--	NS	--	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Pyrene	4.6	2.4	48	8.5	4.5	ND	--	--	ND	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Acetone	9.1E-03	--	0.051	3.3E-03	--	NS	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	4.3E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	ND	--	--	ND	--	--	0.006	3.6E-03	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	5.2E-03	2.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		1.7E-03	7.5E-04		0	0
Sum of SVOC TUs	28	20		50	37		0	0		0	0		0	0
Sum of VOC TUs	5.8E-02	2.3E-03		3.3E-03	0		0	0		0	0		3.6E-03	0
Sum of total TUs	28	20		50	37		0	0		1.7E-03	7.5E-04		3.6E-03	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B106S2 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B107B1 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B2 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B3 12/16/2009	TLM TUs (TU)	Narc TUs (TU)	B107B4 12/16/2009	TLM TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	NS	--	--	0.0022	3.1E-04	1.3E-04	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	NS	--	--	0.0015	2.0E-04	4.1E-05	NS	--	--	NS	--	--	NS	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	0.0016	1.2E-04	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	0.0019	1.6E-04	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	NS	--	--	0.004	3.9E-04	1.8E-04	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	0.8805	--	--	28.24	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	0.25	--	--	9.0685	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	1.1305	--	--	37.3085	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	0.81	2.1E-01	2.0E-01	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.7	3.6E-01	2.8E-01	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	0.092	1.4E-02	1.0E-02	3	4.4E-01	3.4E-01	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	0.086	1.1E-02	8.9E-03	2.6	3.3E-01	2.7E-01	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	0.093	1.2E-02	1.1E-02	3.4	4.3E-01	4.0E-01	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	0.07	7.2E-03	1.2E-03	1.5	1.5E-01	2.7E-02	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	0.053	6.7E-03	6.6E-03	1.3	1.6E-01	1.6E-01	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	0.33	4.8E-02	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	0.74	3.7E-01	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	ND	--	--	ND	--	--	0.096	1.4E-02	1.2E-02	3.1	4.6E-01	3.8E-01	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.44	4.8E-02	4.1E-02	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.43	2.0E-01	1.2E-02	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	0.11	4.5E-02	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	0.16	2.8E-02	2.1E-02	5.5	9.7E-01	7.2E-01	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.75	1.8E-01	1.4E-01	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	0.059	6.5E-03	6.2E-03	1.5	1.6E-01	1.6E-01	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.074	4.3E-02	1.5E-02	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.11	6.3E-02	2.4E-02	ND	--
SVOC	3-Nitroaniline	ND	--	--	0.2	8.4E-02	--	0.12	5.0E-02	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	0.12	2.6E-02	2.6E-02	5.6	1.2	1.2	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	0.071	4.8E-02	--	0.054	3.6E-02
SVOC	Pyrene	ND	--	--	ND	--	--	0.15	2.7E-02	1.4E-02	5.9	1.0	5.5E-01	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		1.2E-03	3.5E-04		0	0		0	0		0
Sum of SVOC TUs		0	0		8.4E-02	0		2.9E-01	1.2E-01		6.9	4.9		3.6E-02
Sum of VOC TUs		0	0		0	0		0	0		0	0		0
Sum of total TUs		0	0		8.5E-02	3.5E-04		2.9E-01	1.2E-01		6.9	4.9		3.6E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B107B5	TLM TUs	Narc TUs	B107B6	TLM TUs	Narc TUs	B107S1	TLM TUs	Narc TUs	B107S2	TLM TUs	Narc TUs	B107S3	TLM TUs
Group	Chemical	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	2/2/2012	(TU)	(TU)	2/2/2012	(TU)
PEST	Aldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	0.0011	1.5E-04	3.0E-05	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	0.00033	4.7E-05	2.1E-05	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	0.0078	7.6E-04	3.5E-04	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	0.273	--	--	NS	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	0.427	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	0.15	4.1E-02	5.2E-03	ND	--	--	NS	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	0.047	8.3E-03	6.1E-03	NS	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenol	--	0.39	2.6E-01	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	0.05	8.8E-03	4.7E-03	NS	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Acetone	--	0.12	7.8E-03	--	ND	--	--	NS	--	--	0.22	1.4E-02	--	0.022	1.4E-03
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	0.004	2.8E-03	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	0.004	2.4E-03	--	0.003	1.8E-03
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	13	11	1.3	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	0.49	5.9E-02	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.004	2.4E-03	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	7	5.9	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	0.66	4.5E-01	9.8E-02	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	0.004	2.7E-03	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		9.6E-04	4.0E-04		0	0		0	0		0
Sum of SVOC TUs	0		2.6E-01	0		4.1E-02	5.2E-03		1.7E-02	1.1E-02		0	0		0
Sum of VOC TUs	0		1.0E-02	0		17	1.4		0	0		2.2E-02	0		3.2E-03
Sum of total TUs	0		2.7E-01	0		17	1.4		1.7E-02	1.1E-02		2.2E-02	0		3.2E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B108B2	TLM TUs	Narc TUs	B108S1	TLM TUs	Narc TUs	B109137B1	TLM TUs	Narc TUs	B109137B2	TLM TUs	Narc TUs	B109137B3	TLM TUs
Group	Chemical	(TU)	1/15/2010	(TU)	(TU)	1/15/2010	(TU)	(TU)	1/11/2010	(TU)	(TU)	1/11/2010	(TU)	(TU)	1/12/2010	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	43.9	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.2965	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	52.1965	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.67	1.8E-01
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.6	3.4E-01
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.4	6.5E-01
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.3	5.5E-01
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.2	6.6E-01
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	3	3.1E-01
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.5	3.2E-01
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	0.16	2.3E-02	--	ND	--	--	0.2	2.9E-02
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.34	8.0E-02
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.4	7.0E-01
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	4.7	6.9E-01
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.9	9.7E-02
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28	1.3E-01
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	9.2	1.6
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.51	1.2E-01
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2.9	3.2E-01
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.041	2.4E-02
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.055	3.2E-02
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	5.4	1.2
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	6.8	1.2
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.011	7.1E-04
VOC	Benzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	0.003	1.8E-03
VOC	1,2-Dichloroethane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	NS	--	--	0.005	3.0E-03	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	NS	--	--	ND	--	--	0.002	5.5E-04	2.4E-04	0.002	5.5E-04
VOC	Trichloroethylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		2.3E-02	0		0	0		9.2
Sum of VOC TUs	0		0	0		0	0		3.0E-03	0		5.5E-04	2.4E-04		3.1E-03
Sum of total TUs	0		0	0		0	0		2.6E-02	0		5.5E-04	2.4E-04		9.2

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B109137B5 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B6 1/4/2012	TLM TUs (TU)	Narc TUs (TU)	B109137B8 1/5/2012	TLM TUs (TU)	Narc TUs (TU)	B109137BS1A 3/31/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	NS	--	--	NS	--	--	NS	--	--	10.42	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	104.951	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	115.371	--	--
SVOC	Acenaphthene	1.7E-01	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Acenaphthylene	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Acetophenone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Aniline	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	2.6E-01	NS	--	--	NS	--	--	NS	--	--	0.71	1.5E-01	1.2E-01
SVOC	Benzo(a)anthracene	4.9E-01	NS	--	--	NS	--	--	NS	--	--	0.77	1.1E-01	8.6E-02
SVOC	Benzo(a)pyrene	4.4E-01	NS	--	--	NS	--	--	NS	--	--	0.24	3.1E-02	2.5E-02
SVOC	Benzo(b)fluoranthene	6.2E-01	NS	--	--	NS	--	--	NS	--	--	1.6	2.0E-01	1.9E-01
SVOC	Benzo(g,h,i)perylene	5.3E-02	NS	--	--	NS	--	--	NS	--	--	0.78	8.0E-02	1.4E-02
SVOC	Benzo(k)fluoranthene	3.1E-01	NS	--	--	NS	--	--	NS	--	--	0.72	9.1E-02	9.0E-02
SVOC	Benzoic acid	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	NS	--	--	NS	--	--	NS	--	--	2.2	1.1	1.1E-01
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Butylbenzylphthalate	1.0E-02	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Carbazole	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	5.7E-01	NS	--	--	NS	--	--	NS	--	--	1.2	1.8E-01	1.5E-01
SVOC	Dibenzo(a,h)anthracene	8.4E-02	NS	--	--	NS	--	--	NS	--	--	0.2	2.2E-02	1.9E-02
SVOC	Dibenzofuran	8.0E-03	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Diethylphthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Fluoranthene	1.2	NS	--	--	NS	--	--	NS	--	--	2.4	4.2E-01	3.1E-01
SVOC	Fluorene	9.4E-02	NS	--	--	NS	--	--	NS	--	--	2.3	5.4E-01	4.2E-01
SVOC	Indeno(1,2,3-c,d)pyrene	3.1E-01	NS	--	--	NS	--	--	NS	--	--	0.71	7.8E-02	7.5E-02
SVOC	Benzophenone	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	1-Methylnaphthalene	8.5E-03	NS	--	--	NS	--	--	NS	--	--	31	18	6.4
SVOC	2-Methyl naphthalene	1.2E-02	NS	--	--	NS	--	--	NS	--	--	50	29	11
SVOC	3-Nitroaniline	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	1.2	NS	--	--	NS	--	--	NS	--	--	19	4.1	4.1
SVOC	Phenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	Pyrene	6.4E-01	NS	--	--	NS	--	--	NS	--	--	1.8	3.2E-01	1.7E-01
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	0.054	3.5E-03	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.47	2.8E-01	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.31	1.8E-01	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.15	1.1E-01	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	0.34	2.0E-01	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	0.17	1.4E-01	1.7E-02
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	ND	--	--	0.003	1.8E-03	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	1.9	1.3	4.8E-01
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	0.34	2.4E-01	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	2.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	3.6	2.5	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	1.9	1.3	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	1.61	1.3	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	6.4		0	0		0	0		0	0		54	23
Sum of VOC TUs	2.4E-04		0	0		1.8E-03	0		3.5E-03	0		7.5	5.0E-01
Sum of total TUs	6.4		0	0		1.8E-03	0		3.5E-03	0		62	24

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B109137BS1B 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B109137SS1A 3/31/2011	TLM TUs (TU)	Narc TUs (TU)	B110111112B1 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B2 1/8/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	0.0054	7.6E-04	3.1E-04	ND	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Lindane	NS	--	--	NS	--	--	0.00034	4.8E-05	2.1E-05	0.00035	5.0E-05	2.2E-05
PEST	Chlordane (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	0.0036	3.5E-04	1.6E-04	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	0.00074	7.2E-05	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	0.00042	3.9E-05	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	0.0035	3.6E-04	1.6E-04
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	3.3	--	--	ND	--	--	0.466	--	--
SVOC	PAHs (Low MW)	0.26	--	--	143.965	--	--	ND	--	--	0.1725	--	--
SVOC	PAHs (total)	0.47	--	--	147.265	--	--	ND	--	--	0.6385	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	0.75	1.6E-01	1.2E-01	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.055	8.1E-03	6.2E-03
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.046	5.9E-03	4.7E-03
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.072	9.1E-03	8.5E-03
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	3.2	1.7	1.6E-01	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.054	7.9E-03	6.6E-03
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	2.6	1.2	7.4E-02	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	0.66	1.2E-01	8.6E-02	ND	--	--	0.088	1.6E-02	1.1E-02
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	42	24	8.7	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	69	40	15	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	0.13	2.8E-02	2.8E-02	24	5.2	5.2	ND	--	--	0.052	1.1E-02	1.1E-02
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	1	1.8E-01	9.4E-02	ND	--	--	0.071	1.3E-02	6.7E-03
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	2.8	1.6	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	2.1	1.2	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	0.71	4.2E-01	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	1.1	7.8E-01	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	2.9	1.7	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	0.99	8.1E-01	1.0E-01	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	1.8	1.6	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	0.004	2.7E-03	1.0E-03	7.6	5.1	1.9	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	2	1.4	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	0.18	5.0E-02	2.1E-02	0.002	5.5E-04	2.4E-04	0.002	5.5E-04	2.4E-04
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	14	9.6	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	10	6.7	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	7.6	6.2	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		1.3E-03	4.9E-04		4.1E-04	1.8E-04
Sum of SVOC TUs		2.8E-02	2.8E-02		72	30		0	0		7.0E-02	5.5E-02
Sum of VOC TUs		2.7E-03	1.0E-03		37	2.1		5.5E-04	2.4E-04		5.5E-04	2.4E-04
Sum of total TUs		3.1E-02	2.9E-02		110	32		1.8E-03	7.3E-04		7.1E-02	5.6E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B110111112B3 1/8/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B4 1/8/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B5 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B110111112B6 1/7/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	ND	--	--	ND	--	--	0.0007	9.5E-05	1.9E-05	NS	--	--
PEST	Lindane	ND	--	--	0.00024	3.4E-05	1.5E-05	ND	--	--	NS	--	--
PEST	Chlordane (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	0.0006	5.9E-05	2.7E-05	0.0009	8.8E-05	4.0E-05	0.00048	4.7E-05	2.1E-05	NS	--	--
PEST	Endosulfan sulfate	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endrin	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	0.00033	3.1E-05	--	ND	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	ND	--	--	ND	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	16.18	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	7.265	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	23.445	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	0.73	1.9E-01	1.8E-01
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.2	2.6E-01	1.9E-01
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	1.7	2.5E-01	1.9E-01
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	1.4	1.8E-01	1.4E-01
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	1.7	2.1E-01	2.0E-01
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	0.85	8.7E-02	1.5E-02
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.77	9.7E-02	9.6E-02
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	0.053	2.7E-02	2.7E-03
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	0.56	2.8E-01	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	1.6	2.4E-01	2.0E-01
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.16	1.7E-02	1.5E-02
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.46	2.1E-01	1.3E-02
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	3.9	6.9E-01	5.1E-01
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.72	1.7E-01	1.3E-01
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	0.8	8.8E-02	8.4E-02
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.074	4.3E-02	1.5E-02
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.12	6.9E-02	2.7E-02
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	4.4	9.5E-01	9.5E-01
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	3.3	5.8E-01	3.1E-01
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	0.003	1.8E-03	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	0.002	5.5E-04	2.4E-04
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		8.9E-05	2.7E-05		1.2E-04	5.5E-05		1.4E-04	4.0E-05		0	0
Sum of SVOC TUs		0	0		0	0		0	0		4.6	3.3
Sum of VOC TUs		0	0		0	0		0	0		2.4E-03	2.4E-04
Sum of total TUs		8.9E-05	2.7E-05		1.2E-04	5.5E-05		1.4E-04	4.0E-05		4.6	3.3

		B110111112B7	TLM TUs	Narc TUs	B113B1	TLM TUs	Narc TUs	B113B10	TLM TUs	Narc TUs	B113B11	TLM TUs	Narc TUs	B113B12	TLM TUs
Group	Chemical	1/7/2010	(TU)	(TU)	1/18/2010	(TU)	(TU)	12/17/2009	(TU)	(TU)	12/17/2009	(TU)	(TU)	1/5/2012	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	0.086	7.3E-03	--	0.0037	3.1E-04	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	ND	--	--	0.0011	1.6E-04	6.9E-05	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	ND	--	--	0.01	9.8E-04	4.4E-04	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	0.00086	8.5E-05	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	ND	--	--	0.0007	6.6E-05	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	ND	--	--	0.0027	2.6E-04	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	ND	--	--	ND	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	0.019	2.0E-03	8.8E-04	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.523	--	--	NS	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.1735	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.6965	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.066	9.7E-03	7.4E-03	NS	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.063	8.0E-03	6.5E-03	NS	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.057	7.2E-03	6.8E-03	NS	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.053	6.7E-03	6.6E-03	NS	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	0.11	1.6E-02	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	0.071	4.5E-02	--	ND	--	--	NS	--
SVOC	CS	NS	--	--	ND	--	--	0.25	1.2E-01	--	ND	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.07	1.0E-02	8.5E-03	NS	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.073	1.3E-02	9.5E-03	NS	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.053	1.1E-02	1.1E-02	NS	--
SVOC	Phenol	ND	--	--	ND	--	--	0.41	2.8E-01	--	ND	--	--	NS	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.081	1.4E-02	7.6E-03	NS	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.029	1.9E-03
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	0.072	5.1E-02	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.002	2.0E-03
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.014	8.4E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	0.002	5.5E-04	2.4E-04	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		7.3E-03	0		3.8E-03	1.4E-03		0
Sum of SVOC TUs		1.6E-02	0		0	0		4.4E-01	0		8.0E-02	6.4E-02		0
Sum of VOC TUs		9.0E-03	2.4E-04		5.1E-02	0		0	0		0	0		3.9E-03
Sum of total TUs		2.5E-02	2.4E-04		5.1E-02	0		4.5E-01	0		8.4E-02	6.6E-02		3.9E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B113B2 1/18/2010	TLM TUs (TU)	Narc TUs (TU)	B113B3 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B5 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B113B6 12/17/2009
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	0.5715	--	--	0.874	--	--	ND	--	--	0.51	--	--	2.2015
SVOC	PAHs (Low MW)	--	0.1805	--	--	0.1765	--	--	ND	--	--	0.324	--	--	0.635
SVOC	PAHs (total)	--	0.752	--	--	1.0505	--	--	ND	--	--	0.834	--	--	2.8365
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	0.041	1.1E-02	1.0E-02	0.12
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.091
SVOC	Benzo(a)anthracene	--	0.064	9.4E-03	7.2E-03	0.092	1.4E-02	1.0E-02	ND	--	--	0.047	6.9E-03	5.3E-03	0.23
SVOC	Benzo(a)pyrene	--	0.056	7.1E-03	5.8E-03	0.1	1.3E-02	1.0E-02	ND	--	--	0.051	6.5E-03	5.2E-03	0.24
SVOC	Benzo(b)fluoranthene	--	0.077	9.7E-03	9.1E-03	0.12	1.5E-02	1.4E-02	ND	--	--	0.047	5.9E-03	5.6E-03	0.26
SVOC	Benzo(g,h,i)perylene	--	0.046	4.7E-03	8.2E-04	0.1	1.0E-02	1.8E-03	ND	--	--	ND	--	--	0.18
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.12
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	0.26	1.7E-01	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	0.097	1.4E-02	--	ND	--	--	ND	--	--	0.12	1.7E-02	--	0.48
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.081
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	1.2	7.4E-01	--	2.2
SVOC	ortho-Chlorobenzaldehyde	--	0.15	9.4E-02	--	0.26	1.6E-01	--	ND	--	--	0.77	4.8E-01	--	2.2
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.48
SVOC	Chrysene	--	0.078	1.1E-02	9.5E-03	0.095	1.4E-02	1.2E-02	ND	--	--	0.063	9.3E-03	7.7E-03	0.29
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.051
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	0.095	1.7E-02	1.2E-02	0.13	2.3E-02	1.7E-02	ND	--	--	0.11	1.9E-02	1.4E-02	0.35
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.059
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	0.081	8.9E-03	8.5E-03	ND	--	--	ND	--	--	0.15
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	0.057	1.2E-02	1.2E-02	0.068	1.5E-02	1.5E-02	ND	--	--	0.18	3.9E-02	3.9E-02	0.3
SVOC	Phenol	--	ND	--	--	0.039	2.6E-02	--	ND	--	--	0.068	4.6E-02	--	1.5
SVOC	Pyrene	--	0.094	1.7E-02	8.8E-03	0.12	2.1E-02	1.1E-02	ND	--	--	0.11	1.9E-02	1.0E-02	0.36
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.028
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.15
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.06
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.017
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.14
VOC	Tetrachloroethylene	--	ND	--	--	0.006	3.2E-03	6.8E-04	0.27	1.5E-01	3.1E-02	0.017	9.2E-03	1.9E-03	0.003
VOC	Toluene	--	ND	--	--	ND	--	--	0.004	1.1E-03	4.8E-04	0.002	5.5E-04	2.4E-04	ND
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	0.002	1.4E-03	3.0E-04	0.094
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0		2.0E-01	6.6E-02		3.2E-01	1.0E-01		0	0		1.6	9.7E-02	
Sum of VOC TUs	0		0	0		3.2E-03	6.8E-04		1.5E-01	3.1E-02		1.1E-02	2.5E-03	
Sum of total TUs	0		2.0E-01	6.6E-02		3.3E-01	1.0E-01		1.5E-01	3.1E-02		1.6	1.0E-01	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B113B7 12/18/2009	TLM TUs (TU)	Narc TUs (TU)	B113B8 12/18/2009	TLM TUs (TU)	Narc TUs (TU)	B113B9 12/17/2009	TLM TUs (TU)	Narc TUs (TU)	B114B2 1/21/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	0.32	2.7E-02	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	0.57	5.5E-02	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	0.626	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	0.2605	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	0.8865	--	--
SVOC	Acenaphthene	3.2E-02	3.0E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	2	7.0E-01	--	ND	--	--	ND	--	--
SVOC	Anthracene	1.9E-02	1.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	3.4E-02	2.6E-02	ND	--	--	ND	--	--	ND	--	--	0.069	1.0E-02	7.7E-03
SVOC	Benzo(a)pyrene	3.1E-02	2.5E-02	ND	--	--	ND	--	--	ND	--	--	0.052	6.6E-03	5.4E-03
SVOC	Benzo(b)fluoranthene	3.3E-02	3.1E-02	ND	--	--	ND	--	--	ND	--	--	0.068	8.6E-03	8.1E-03
SVOC	Benzo(g,h,i)perylene	1.9E-02	3.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	1.5E-02	1.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	7.0E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	4.1E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	1.4	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	1.4	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	2.3E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	4.3E-02	3.5E-02	ND	--	--	ND	--	--	ND	--	--	0.073	1.1E-02	8.9E-03
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	2.3E-02	1.4E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	0.25	1.2E-01	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	6.2E-02	4.6E-02	ND	--	--	ND	--	--	ND	--	--	0.15	2.6E-02	2.0E-02
SVOC	Fluorene	1.4E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	1.6E-02	1.6E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	4.9E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	6.5E-02	6.5E-02	ND	--	--	ND	--	--	ND	--	--	0.14	3.0E-02	3.0E-02
SVOC	Phenol	1.0	--	0.62	4.2E-01	--	ND	--	--	0.93	6.3E-01	--	ND	--	--
SVOC	Pyrene	6.4E-02	3.4E-02	ND	--	--	ND	--	--	ND	--	--	0.14	2.5E-02	1.3E-02
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	1.8E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	ND	--	--	0.001	3.1E-04	1.3E-04	ND	--	--	ND	--	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	1.5E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	0.004	2.5E-03	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	4.9E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	1.5E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	0.009	5.4E-03	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	2.3E-02	--	ND	--	--	ND	--	--	0.036	6.0E-03	--	ND	--	--
VOC	Tetrachloroethylene	1.6E-03	3.4E-04	ND	--	--	0.019	1.0E-02	2.2E-03	0.004	2.2E-03	4.5E-04	ND	--	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	6.4E-02	1.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		8.2E-02	0		0	0
Sum of SVOC TUs	4.6	3.5E-01		4.2E-01	0		8.2E-01	0		6.3E-01	0		1.2E-01	9.3E-02
Sum of VOC TUs	3.1E-01	1.4E-02		0	0		1.9E-02	2.3E-03		8.2E-03	4.5E-04		0	0
Sum of total TUs	4.9	3.7E-01		4.2E-01	0		8.3E-01	2.3E-03		7.2E-01	4.5E-04		1.2E-01	9.3E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B114B3	TLM TUs	Narc TUs	B115B1	TLM TUs	Narc TUs	B115B2	TLM TUs	Narc TUs	B115B3	TLM TUs	Narc TUs	B115B4	TLM TUs
Group	Chemical	1/15/2010	(TU)	(TU)	12/14/2009	(TU)	(TU)	12/22/2009	(TU)	(TU)	12/14/2009	(TU)	(TU)	12/14/2009	(TU)
PEST	Aldrin	ND	--	--	NS	--	--	0.00026	2.2E-05	--	NS	--	--	NS	--
PEST	beta-BHC	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	delta-BHC	0.00091	1.2E-04	2.5E-05	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Lindane	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	0.00043	3.3E-05	--	NS	--	--	0.0016	1.2E-04	--	NS	--	--	NS	--
PEST	4,4'-DDD	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	ND	--	--	NS	--	--	0.0017	1.6E-04	--	NS	--	--	NS	--
PEST	4,4'-DDT	ND	--	--	NS	--	--	0.0028	2.4E-04	--	NS	--	--	NS	--
PEST	Dieldrin	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Endosulfan	0.00032	3.1E-05	1.4E-05	NS	--	--	0.0017	1.7E-04	7.5E-05	NS	--	--	NS	--
PEST	Endosulfan sulfate	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Endrin	ND	--	--	NS	--	--	0.0018	1.7E-04	--	NS	--	--	NS	--
PEST	Endrin aldehyde	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	ND	--	--	NS	--	--	0.0019	1.8E-04	--	NS	--	--	NS	--
PEST	Methoxychlor	ND	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--
PEST	2,4,5-T	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	1.1	1.6E-01	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	0.079	5.3E-02	--	ND	--	--	0.056	3.8E-02	--	0.11	7.4E-02
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	0.041	1.2E-02	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	0.002	1.2E-03	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	0.004	2.3E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	ND	--	--	0.003	1.8E-03	--	0.01	6.0E-03	--	0.003	1.8E-03	--	0.008	4.8E-03
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	0.001	2.8E-04	1.2E-04	ND	--	--	ND	--	--	0.006	1.7E-03
VOC	Trichloroethylene	ND	--	--	0.004	2.7E-03	5.9E-04	0.003	2.0E-03	4.5E-04	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		1.9E-04	3.9E-05		0	0		1.1E-03	7.5E-05		0	0		0
Sum of SVOC TUs		0	0		5.3E-02	0		1.6E-01	0		3.8E-02	0		7.4E-02
Sum of VOC TUs		1.4E-02	0		4.8E-03	7.1E-04		9.2E-03	4.5E-04		1.8E-03	0		6.5E-03
Sum of total TUs		1.4E-02	3.9E-05		5.8E-02	7.1E-04		1.7E-01	5.2E-04		4.0E-02	0		8.1E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B116128B1 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B11 4/21/2011	TLM TUs (TU)	Narc TUs (TU)	B116128B3 12/14/2009	TLM TUs (TU)	Narc TUs (TU)	B116128B4 12/17/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	0.00079	1.1E-04	2.2E-05
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	0.00055	7.8E-05	3.5E-05
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	0.017	1.7E-03	7.5E-04
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	0.00098	9.5E-05	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	0.00051	4.7E-05	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
SVOC	PAHs (High MW)	--	ND	--	--	NS	--	--	7.85	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	1.7865	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	9.6365	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	NS	--	--	0.18	4.7E-02	4.5E-02	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	NS	--	--	0.25	5.3E-02	4.1E-02	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	NS	--	--	0.78	1.1E-01	8.7E-02	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	NS	--	--	0.69	8.8E-02	7.1E-02	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	NS	--	--	0.97	1.2E-01	1.2E-01	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	NS	--	--	0.52	5.4E-02	9.2E-03	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	NS	--	--	0.41	5.2E-02	5.1E-02	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	NS	--	--	0.16	8.0E-02	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	NS	--	--	0.87	1.3E-01	1.1E-01	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	NS	--	--	0.13	1.4E-02	1.2E-02	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	NS	--	--	0.044	2.0E-02	1.3E-03	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	NS	--	--	0.093	3.8E-02	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	NS	--	--	1.4	2.5E-01	1.8E-01	ND	--	--
SVOC	Fluorene	--	ND	--	--	NS	--	--	0.1	2.4E-02	1.8E-02	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	NS	--	--	0.48	5.3E-02	5.1E-02	ND	--	--
SVOC	Benzophenone	--	ND	--	--	NS	--	--	ND	--	--	0.19	8.4E-02	--
SVOC	1-Methylnaphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	NS	--	--	1.2	2.6E-01	2.6E-01	ND	--	--
SVOC	Phenol	--	0.09	6.1E-02	--	NS	--	--	0.043	2.9E-02	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	NS	--	--	1.6	2.8E-01	1.5E-01	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	0.004	2.5E-03	--	ND	--	--	0.002	1.3E-03	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	0.006	3.6E-03	--	ND	--	--	0.007	4.2E-03	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	0.001	5.4E-04	1.1E-04	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	7.2E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	0.003	2.0E-03	4.5E-04
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	0.007	7.2E-03	--	ND	--	--	0.002	2.1E-03	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		2.0E-03	8.1E-04
Sum of SVOC TUs	0		6.1E-02	0		0	0		1.7	1.2		8.4E-02	0
Sum of VOC TUs	7.2E-04		1.4E-02	1.1E-04		0	0		7.6E-03	0		2.0E-03	4.5E-04
Sum of total TUs	7.2E-04		7.5E-02	1.1E-04		0	0		1.7	1.2		8.8E-02	1.3E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B117B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S2 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S3 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B117S4 3/10/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	ND	--	--	ND	--	--	0.01	8.4E-04	--	ND	--	--
PEST	beta-BHC	NS	--	--	ND	--	--	ND	--	--	0.023	3.2E-03	1.3E-03	ND	--	--
PEST	delta-BHC	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Lindane	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Chlordane (total)	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	ND	--	--	ND	--	--	0.0045	3.9E-04	--	ND	--	--
PEST	Dieldrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	0.0029	2.8E-04	1.3E-04	0.00093	9.1E-05	4.1E-05	0.0027	2.6E-04	1.2E-04	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	ND	--	--	0.013	1.3E-03	--	ND	--	--
PEST	Endrin	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	ND	--	--	0.0047	4.9E-04	2.2E-04	ND	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	ND	--	--	0.0013	2.2E-04	--	0.0016	2.7E-04	--	ND	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	0.513	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	0.191	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	0.704	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	0.055	8.1E-03	6.2E-03	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	0.046	5.9E-03	4.7E-03	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.06	7.6E-03	7.1E-03	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	0.14	2.0E-02	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	0.066	9.7E-03	8.1E-03	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	0.62	1.7E-01	2.1E-02	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	0.1	1.8E-02	1.3E-02	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	0.059	1.3E-02	1.3E-02	ND	--	--
SVOC	Phenol	0.27	1.8E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	0.098	1.7E-02	9.2E-03	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		2.8E-04	1.3E-04		8.0E-04	2.6E-04		6.3E-03	1.4E-03		0	0
Sum of SVOC TUs		1.8E-01	0		0	0		0	0		2.7E-01	8.2E-02		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of total TUs		1.8E-01	0		2.8E-04	1.3E-04		8.0E-04	2.6E-04		2.7E-01	8.4E-02		0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B119120B1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B3 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120B4 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S1 1/13/2010	TLM TUs (TU)	Narc TUs (TU)	B119120S2 1/13/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	101.3	--	--	69.18	--	--	71.2	--	--	1.5635	--	--	NS
SVOC	PAHs (Low MW)	28.5285	--	--	16.7565	--	--	15.0915	--	--	0.3405	--	--	NS
SVOC	PAHs (total)	129.8285	--	--	85.9365	--	--	86.2915	--	--	1.904	--	--	NS
SVOC	Acenaphthene	2.5	6.6E-01	6.3E-01	1.3	3.4E-01	3.3E-01	1	2.6E-01	2.5E-01	ND	--	--	NS
SVOC	Acenaphthylene	0.088	4.7E-02	3.8E-03	0.066	3.5E-02	2.9E-03	0.1	5.3E-02	4.4E-03	ND	--	--	NS
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Anthracene	5	1.1	8.1E-01	2.9	6.2E-01	4.7E-01	2.8	6.0E-01	4.5E-01	0.048	1.0E-02	7.8E-03	NS
SVOC	Benzo(a)anthracene	10	1.5	1.1	7	1.0	7.8E-01	7	1.0	7.8E-01	0.16	2.4E-02	1.8E-02	NS
SVOC	Benzo(a)pyrene	9	1.1	9.3E-01	6.5	8.3E-01	6.7E-01	6.5	8.3E-01	6.7E-01	0.15	1.9E-02	1.5E-02	NS
SVOC	Benzo(b)fluoranthene	11	1.4	1.3	7.3	9.2E-01	8.7E-01	8.7	1.1	1.0	0.19	2.4E-02	2.3E-02	NS
SVOC	Benzo(g,h,i)perylene	6.1	6.3E-01	1.1E-01	4.6	4.7E-01	8.2E-02	4.8	4.9E-01	8.5E-02	0.12	1.2E-02	2.1E-03	NS
SVOC	Benzo(k)fluoranthene	4.4	5.5E-01	5.5E-01	3.2	4.0E-01	4.0E-01	3.2	4.0E-01	4.0E-01	0.083	1.0E-02	1.0E-02	NS
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1,1'-Biphenyl	0.14	7.3E-02	7.0E-03	0.068	3.5E-02	3.4E-03	0.048	2.5E-02	2.4E-03	ND	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	0.31	4.5E-02	--	ND	--	--	NS
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Carbazole	2.4	1.2	--	1.7	8.5E-01	--	1.2	6.0E-01	--	ND	--	--	NS
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Chrysene	9.7	1.4	1.2	6.4	9.4E-01	7.8E-01	6.6	9.7E-01	8.1E-01	0.14	2.1E-02	1.7E-02	NS
SVOC	Dibenzo(a,h)anthracene	1.7	1.8E-01	1.6E-01	0.98	1.1E-01	9.2E-02	1.1	1.2E-01	1.0E-01	ND	--	--	NS
SVOC	Dibenzofuran	1.3	6.0E-01	3.7E-02	0.67	3.1E-01	1.9E-02	0.52	2.4E-01	1.5E-02	ND	--	--	NS
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Fluoranthene	24	4.2	3.1	16	2.8	2.1	16	2.8	2.1	0.3	5.3E-02	3.9E-02	NS
SVOC	Fluorene	2.4	5.7E-01	4.4E-01	1.2	2.8E-01	2.2E-01	1	2.4E-01	1.8E-01	ND	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	5.4	5.9E-01	5.7E-01	4.2	4.6E-01	4.4E-01	4.3	4.7E-01	4.5E-01	0.11	1.2E-02	1.2E-02	NS
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	1-Methylnaphthalene	0.23	1.3E-01	4.8E-02	0.13	7.5E-02	2.7E-02	0.091	5.2E-02	1.9E-02	ND	--	--	NS
SVOC	2-Methyl naphthalene	0.31	1.8E-01	6.9E-02	0.16	9.2E-02	3.5E-02	0.1	5.8E-02	2.2E-02	ND	--	--	NS
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Phenanthrene	18	3.9	3.9	11	2.4	2.4	10	2.2	2.2	0.19	4.1E-02	4.1E-02	NS
SVOC	Phenol	ND	--	--	0.047	3.2E-02	--	ND	--	--	ND	--	--	NS
SVOC	Pyrene	20	3.5	1.9	13	2.3	1.2	13	2.3	1.2	0.29	5.1E-02	2.7E-02	NS
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexanone	ND	--	--	ND	--	--	0.042	1.2E-02	--	NS	--	--	NS
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylene chloride	ND	--	--	0.006	3.6E-03	--	ND	--	--	NS	--	--	NS
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Toluene	ND	--	--	ND	--	--	0.002	5.5E-04	2.4E-04	NS	--	--	NS
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		24	17		15	11		15	11		2.8E-01	2.1E-01	
Sum of VOC TUs		0	0		3.6E-03	0		1.3E-02	2.4E-04		0	0	
Sum of total TUs		24	17		15	11		15	11		2.8E-01	2.1E-01	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	B121S1	TLM TUs	Narc TUs	B122B1	TLM TUs	Narc TUs	B122B10	TLM TUs	Narc TUs	B122B2	TLM TUs	Narc TUs	B122B3	TLM TUs
Group	Chemical	(TU)	(TU)	2/3/2010	(TU)	(TU)	12/4/2009	(TU)	(TU)	12/4/2009	(TU)	(TU)	12/8/2009	(TU)	(TU)	1/5/2010	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	1.6E-02
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	--	NS	--	--	0.005	3.0E-03	--	ND	--	--	0.004	2.4E-03	--	0.008	4.8E-03
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		1.6E-02
Sum of VOC TUs	0	0		0	0		3.0E-03	0		0	0		2.4E-03	0		4.8E-03
Sum of total TUs	0	0		0	0		3.0E-03	0		0	0		2.4E-03	0		2.1E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B122B5	TLM TUs	Narc TUs	B122B6	TLM TUs	Narc TUs	B122B7	TLM TUs	Narc TUs	B122B8	TLM TUs	Narc TUs	B122B9	TLM TUs
Group	Chemical	(TU)	12/10/2009	(TU)	(TU)	12/9/2009	(TU)	(TU)	12/8/2009	(TU)	(TU)	12/8/2009	(TU)	(TU)	12/7/2009	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.0675	--
SVOC	PAHs (Low MW)	--	0.2675	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	0.4875	--	--	ND	--	--	ND	--	--	ND	--	--	1.2115	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	1.5E-02
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.11	1.4E-02
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.2	2.5E-02
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.054	5.6E-03
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.084	1.1E-02
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.13	1.9E-02
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.1	1.8E-02
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.049	5.4E-03
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	0.067	3.9E-02	1.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	0.09	5.2E-02	2.0E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22	3.9E-02
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	0.027	1.8E-03	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	0.012	7.1E-03	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.003	1.8E-03	--	0.003	1.8E-03	--	0.003	1.8E-03	--	ND	--	--	0.003	1.8E-03
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		9.0E-02	3.4E-02		0	0		0	0		0	0		1.5E-01
Sum of VOC TUs	0		1.8E-03	0		1.8E-03	0		1.8E-03	0		8.9E-03	0		1.8E-03
Sum of total TUs	0		9.2E-02	3.4E-02		1.8E-03	0		1.8E-03	0		8.9E-03	0		1.5E-01

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B123B1	TLM TUs	Narc TUs	B123S1	TLM TUs	Narc TUs	B123S2	TLM TUs	Narc TUs	B123S3	TLM TUs	Narc TUs	B124135B1	TLM TUs
Group	Chemical	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	4/15/2010	(TU)	(TU)	1/19/2010	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	0.268	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	0.4155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	2.4E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	9.6E-04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	1.1E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	1.6E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	1.3E-02	0.048	8.5E-03	6.3E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	5.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	2.1E-02	0.052	9.2E-03	4.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Styrene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Toluene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	1.1E-01		1.8E-02	1.1E-02		0	0		0	0		0	0		0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	1.1E-01		1.8E-02	1.1E-02		0	0		0	0		0	0		0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B124135B2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B3 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B4 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B5 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135B7 1/20/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	0.38	2.6E-01	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		2.6E-01	0		0	0		0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	0		0	0		0	0		2.6E-01	0		0	0		0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B124135B8 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S2 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B124135S3 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B1 1/26/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	0.095	1.4E-02	--	ND	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	ND	--	--	0.024	1.6E-03	--	0.1	6.5E-03	--	0.018	1.2E-03	--	ND	--
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.0007	2.2E-04
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	0.006	3.6E-03	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		0	0		1.4E-02	0		0
Sum of VOC TUs	0		0	0		1.6E-03	0		1.0E-02	0		1.2E-03	0		2.2E-04
Sum of total TUs	0		0	0		1.6E-03	0		1.0E-02	0		1.5E-02	0		2.2E-04

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B125136B2 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136B3 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S1 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S2 2/1/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	20.57	--	--	ND	--	--	0.245	--	--	0.749	--	--
SVOC	PAHs (Low MW)	--	8.881	--	--	ND	--	--	ND	--	--	0.233	--	--
SVOC	PAHs (total)	--	29.451	--	--	ND	--	--	0.399	--	--	0.982	--	--
SVOC	Acenaphthene	--	1.1	2.9E-01	2.8E-01	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	1.6	3.4E-01	2.6E-01	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	2.5	3.7E-01	2.8E-01	ND	--	--	ND	--	--	0.09	1.3E-02	1.0E-02
SVOC	Benzo(a)pyrene	--	1.6	2.0E-01	1.6E-01	ND	--	--	ND	--	--	0.065	8.3E-03	6.7E-03
SVOC	Benzo(b)fluoranthene	--	2	2.5E-01	2.4E-01	ND	--	--	ND	--	--	0.088	1.1E-02	1.0E-02
SVOC	Benzo(g,h,i)perylene	--	0.97	1.0E-01	1.7E-02	ND	--	--	ND	--	--	0.048	4.9E-03	8.5E-04
SVOC	Benzo(k)fluoranthene	--	0.92	1.2E-01	1.2E-01	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	0.067	3.5E-02	3.4E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	1.1	5.5E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	2.6	3.8E-01	3.2E-01	ND	--	--	ND	--	--	0.083	1.2E-02	1.0E-02
SVOC	Dibenzo(a,h)anthracene	--	0.32	3.5E-02	3.0E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	0.55	2.5E-01	1.6E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	4.8	8.5E-01	6.3E-01	ND	--	--	0.047	8.3E-03	6.1E-03	0.16	2.8E-02	2.1E-02
SVOC	Fluorene	--	0.91	2.2E-01	1.7E-01	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	0.96	1.1E-01	1.0E-01	ND	--	--	ND	--	--	0.044	4.8E-03	4.6E-03
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	0.16	9.2E-02	3.3E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	0.29	1.7E-01	6.4E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	4.8	1.0	1.0	ND	--	--	ND	--	--	0.11	2.4E-02	2.4E-02
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	3.9	6.9E-01	3.7E-01	ND	--	--	ND	--	--	0.13	2.3E-02	1.2E-02
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Benzene	9.2E-05	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		6.1	4.1		0	0		8.3E-03	6.1E-03		1.3E-01	1.0E-01
Sum of VOC TUs	9.2E-05		0	0		0	0		0	0		0	0
Sum of total TUs	9.2E-05		6.1	4.1		0	0		8.3E-03	6.1E-03		1.3E-01	1.0E-01

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B125136S3 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S4 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S5 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S6 2/1/2010	TLM TUs (TU)	Narc TUs (TU)	B125136S7 2/1/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0		0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B125136S8	TLM TUs	Narc TUs	B134S1	TLM TUs	Narc TUs	B134S2	TLM TUs	Narc TUs	B134S3	TLM TUs	Narc TUs	B134S4	TLM TUs	Narc TUs	B142B1
Group	Chemical	2/1/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	12/11/2009
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.225
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.445
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.12
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.18
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.069
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.072
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.16
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.059
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.069
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.22
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.19
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.014
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.003
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B142B2 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B142B2 1/27/2010	TLM TUs (TU)	Narc TUs (TU)	B142B3 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B142B4 12/11/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	--	--	0.032	4.6E-03	2.0E-03	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	--	--	0.006	4.6E-04	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	--	--	ND	--	--	NS	--	--	0.0011	1.1E-04	--	NS	--	--
PEST	4,4'-DDE	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	--	--	ND	--	--	NS	--	--	0.0029	2.5E-04	--	NS	--	--
PEST	Dieldrin	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	--	--	0.0307	3.0E-03	1.4E-03	NS	--	--	0.055	5.4E-03	2.4E-03	NS	--	--
PEST	Endosulfan sulfate	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	--	--	0.0025	2.4E-04	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	--	--	0.2	2.1E-02	9.2E-03	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	--	--	ND	--	--	NS	--	--	ND	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	0.905	--	--	ND	--	--	0.27	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	0.225	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	1.13	--	--	ND	--	--	0.425	--	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	2.4E-02	1.8E-02	NS	--	--	0.12	1.8E-02	1.3E-02	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	1.5E-02	1.2E-02	NS	--	--	0.084	1.1E-02	8.6E-03	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	2.3E-02	2.1E-02	NS	--	--	0.12	1.5E-02	1.4E-02	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	7.1E-03	1.2E-03	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	9.1E-03	9.0E-03	NS	--	--	0.059	7.4E-03	7.4E-03	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	2.4E-02	2.0E-02	NS	--	--	0.12	1.8E-02	1.5E-02	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	2.8E-02	2.1E-02	NS	--	--	0.17	3.0E-02	2.2E-02	ND	--	--	0.047	8.3E-03	6.1E-03
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	6.5E-03	6.2E-03	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	1.5E-02	1.5E-02	NS	--	--	0.081	1.7E-02	1.7E-02	ND	--	--	ND	--	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	3.9E-02	2.1E-02	NS	--	--	0.16	2.8E-02	1.5E-02	ND	--	--	0.047	8.3E-03	4.4E-03
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	1.2E-02	--	ND	--	--	NS	--	--	0.053	3.4E-03	--	0.16	1.0E-02	--
VOC	Benzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	2.1E-03	--	ND	--	--	NS	--	--	ND	--	--	0.019	2.9E-03	--
VOC	n-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	0.38	4.6E-02	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	2.1E-03	--	ND	--	--	NS	--	--	0.002	1.4E-03	--	0.005	3.4E-03	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		2.9E-02	1.3E-02		0	0		5.7E-03	2.4E-03		0	0
Sum of SVOC TUs	1.9E-01	1.4E-01		0	0		1.4E-01	1.1E-01		0	0		1.7E-02	1.1E-02
Sum of VOC TUs	1.7E-02	0		4.6E-02	0		0	0		4.8E-03	0		1.7E-02	0
Sum of total TUs	2.1E-01	1.4E-01		7.5E-02	1.3E-02		1.4E-01	1.1E-01		1.1E-02	2.4E-03		3.3E-02	1.1E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B143B1 12/11/2009	TLM TUs (TU)	Narc TUs (TU)	B143B2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B143B3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	B144B1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B144S1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	0.0013	1.8E-04	3.6E-05	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	0.0016	1.2E-04	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	0.5155	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	0.688	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.28	1.8E-01	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	0.11	6.9E-02	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	0.054	7.9E-03	6.6E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	0.13	2.3E-02	1.7E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	0.16	2.8E-02	1.5E-02	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	0.046	3.0E-03	--	0.027	1.8E-03	--	0.021	1.4E-03	--	ND	--	--	NS	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		3.0E-04	3.6E-05		0	0		0	0
Sum of SVOC TUs		5.9E-02	3.9E-02		0	0		6.9E-02	0		0	0		1.8E-01	0
Sum of VOC TUs		3.0E-03	0		1.8E-03	0		1.4E-03	0		0	0		0	0
Sum of total TUs		6.2E-02	3.9E-02		1.8E-03	0		7.1E-02	3.6E-05		0	0		1.8E-01	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B146B1 1/5/2010	TLM TUs (TU)	Narc TUs (TU)	B146B3 1/5/2010	TLM TUs (TU)	Narc TUs (TU)	B147B1 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B10 12/15/2009	TLM TUs (TU)	Narc TUs (TU)	B147B11 12/15/2009	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	2.3E-04	1.0E-04
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0245	1.9E-03	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0028	2.4E-04	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	1.113	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	0.1735	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	1.2865	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	0.063	9.3E-03	7.1E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	0.17	2.2E-02	1.7E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	0.23	2.9E-02	2.7E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	0.19	2.0E-02	3.4E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	0.079	1.0E-02	9.9E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	ND	--	--	0.095	1.4E-02	1.2E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	0.071	1.3E-02	9.2E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	0.12	1.3E-02	1.3E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	0.053	1.1E-02	1.1E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	ND	--	--	ND	--	--	0.2	1.4E-01	--	0.76	5.1E-01	--	0.16	1.1E-01	--
SVOC	Pyrene	ND	--	--	0.075	1.3E-02	7.0E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	ND	--	--	0.014	9.1E-04	--	ND	--	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	0.005	3.0E-03	--	0.005	3.0E-03	--	0.004	2.4E-03	--	0.005	3.0E-03	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		2.3E-03	1.0E-04
Sum of SVOC TUs		0	0		1.5E-01	1.2E-01		1.4E-01	0		5.1E-01	0		1.1E-01	0
Sum of VOC TUs		0	0		3.0E-03	0		3.0E-03	0		3.3E-03	0		3.0E-03	0
Sum of total TUs		0	0		1.6E-01	1.2E-01		1.4E-01	0		5.2E-01	0		1.1E-01	1.0E-04

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		B147B12	TLM TUs	Narc TUs	B147B2	TLM TUs	Narc TUs	B147B3	TLM TUs	Narc TUs	B147B4	TLM TUs	Narc TUs	B147B5	TLM TUs
Group	Chemical	12/15/2009	(TU)	(TU)	12/16/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/16/2009	(TU)
PEST	Aldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	0.01	8.4E-04
PEST	beta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	NS	--	--	0.02	1.5E-03	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	NS	--	--	0.014	1.2E-03	--	NS	--	--	NS	--	--	0.00098	8.5E-05
PEST	Dieldrin	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	NS	--	--	0.046	4.5E-03	2.0E-03	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan sulfate	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin	NS	--	--	0.0065	6.1E-04	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	NS	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (High MW)	0.5075	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	0.652	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	0.069	8.8E-03	7.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	0.11	1.4E-02	1.3E-02	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	0.1	1.0E-02	1.8E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	0.049	6.2E-03	6.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	0.077	8.4E-03	8.1E-03	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	ND	--	--	0.05	3.2E-03	--	ND	--	--	ND	--	--	ND	--
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.052	4.3E-02
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	0.007	4.2E-03	--	ND	--	--	0.005	3.0E-03	--	ND	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	0.005	3.4E-03	7.4E-04	ND	--	--	ND	--	--	0.039	2.6E-02
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs		0	0		7.9E-03	2.0E-03		0	0		0	0		9.3E-04
Sum of SVOC TUs		4.8E-02	3.6E-02		0	0		0	0		0	0		0
Sum of VOC TUs		4.2E-03	0		6.6E-03	7.4E-04		3.0E-03	0		0	0		6.9E-02
Sum of total TUs		5.2E-02	3.6E-02		1.5E-02	2.8E-03		3.0E-03	0		0	0		7.0E-02

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B147B6	TLM TUs	Narc TUs	B147B7	TLM TUs	Narc TUs	B147B8	TLM TUs	Narc TUs	B147B9	TLM TUs	Narc TUs	B147S1	TLM TUs
Group	Chemical	(TU)	12/16/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	12/15/2009	(TU)	(TU)	2/2/2012	(TU)
PEST	Aldrin	--	NS	--	--	0.0005	4.2E-05	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	0.0019	1.8E-04	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	0.0039	3.4E-04	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	0.04	3.9E-03	1.8E-03	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	0.099	5.6E-02	--	ND	--	--	ND	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	0.22	3.2E-02	--	0.14	2.0E-02	--	ND	--	--	ND	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenol	--	ND	--	--	0.2	1.4E-01	--	ND	--	--	0.22	1.5E-01	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Acetone	--	ND	--	--	0.029	1.9E-03	--	ND	--	--	ND	--	--	0.016	1.0E-03
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.007	1.1E-03
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Methylene chloride	--	0.004	2.4E-03	--	0.004	2.4E-03	--	0.006	3.6E-03	--	0.004	2.4E-03	--	ND	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	5.8E-03	ND	--	--	0.002	1.4E-03	3.0E-04	ND	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0		0	0		4.5E-03	1.8E-03		0	0		0	0		0
Sum of SVOC TUs	0		3.2E-02	0		2.1E-01	0		0	0		1.5E-01	0		0
Sum of VOC TUs	5.8E-03		2.4E-03	0		5.7E-03	3.0E-04		3.6E-03	0		2.4E-03	0		2.1E-03
Sum of total TUs	5.8E-03		3.4E-02	0		2.2E-01	2.1E-03		3.6E-03	0		1.5E-01	0		2.1E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	B147S2	TLM TUs	Narc TUs	B148B1	TLM TUs	Narc TUs	B148B2	TLM TUs	Narc TUs	B148B3	TLM TUs	Narc TUs	B149B1
Group	Chemical	(TU)	2/2/2012	(TU)	(TU)	12/22/2009	(TU)	(TU)	12/22/2009	(TU)	(TU)	12/22/2009	(TU)	(TU)	1/14/2010
PEST	Aldrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	ND	--	--	0.00062	4.7E-05	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	0.0012	1.2E-04	5.3E-05	0.0022	2.2E-04	9.7E-05	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	ND	--	--	ND	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	0.001	1.7E-04	--	ND	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND
SVOC	Chrysene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	1.4
SVOC	Pyrene	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	0.064	4.2E-03	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	0.003	1.8E-03	--	ND	--	--	0.003	1.8E-03	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	ND	--	--	ND	--	--	0.007	4.2E-03	--	0.014	8.4E-03	--	0.006
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	0.066	4.5E-02	9.8E-03	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0		0	0		2.9E-04	5.3E-05		2.6E-04	9.7E-05		0	0	
Sum of SVOC TUs	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0		5.1E-02	9.8E-03		0	0		6.0E-03	0		8.4E-03	0	
Sum of total TUs	0		5.1E-02	9.8E-03		2.9E-04	5.3E-05		6.3E-03	9.7E-05		8.4E-03	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B149B2 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B3 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B4 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149B5 1/14/2010	TLM TUs (TU)	Narc TUs (TU)	B149S1 1/14/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	9.5E-01	--	0.51	3.4E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Butanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	sec-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	tert-Butylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Isopropylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Cyclohexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Ethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	2-Hexanone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methyl acetate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylcyclohexane	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Methylene chloride	3.6E-03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	n-Propyl benzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Styrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	t-Butyl alcohol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Tetrachloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Toluene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Trichloroethylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Vinyl chloride	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
VOC	Xylenes (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	9.5E-01	0		3.4E-01	0		0	0		0	0		0	0		0
Sum of VOC TUs	3.6E-03	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	9.5E-01	0		3.4E-01	0		0	0		0	0		0	0		0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B150151B1 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B2 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B150151B3 1/4/2010	TLM TUs (TU)	Narc TUs (TU)	B152S1 1/15/2010	TLM TUs (TU)	Narc TUs (TU)	B152S2 1/11/2010
PEST	Aldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	0.00051	3.9E-05	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	0.0026	2.5E-04	1.2E-04	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	0.00038	3.5E-05	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	6.883	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	0.305	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	7.188	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	0.052	2.8E-02	2.3E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	0.14	3.0E-02	2.3E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	0.66	9.7E-02	7.4E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	0.35	4.5E-02	3.6E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	0.91	1.1E-01	1.1E-01	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	0.17	1.7E-02	3.0E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	0.43	5.4E-02	5.4E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	0.17	8.5E-02	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	1	1.5E-01	1.2E-01	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	0.063	6.8E-03	5.9E-03	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	1.5	2.6E-01	2.0E-01	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	0.2	2.2E-02	2.1E-02	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	1.6	2.8E-01	1.5E-01	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Butanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	0.002	1.2E-03	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	2-Hexanone	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methyl acetate	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Methylene chloride	--	0.008	4.8E-03	--	0.007	4.2E-03	--	0.007	4.2E-03	--	NS	--	--	NS
VOC	Naphthalene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Styrene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Toluene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	NS

Sum of Pesticide TUs	0		0	0		3.3E-04	1.2E-04		0	0		0	0	
Sum of SVOC TUs	0		1.2	7.9E-01		0	0		0	0		0	0	
Sum of VOC TUs	0		6.0E-03	0		4.2E-03	0		4.2E-03	0		0	0	
Sum of total TUs	0		1.2	7.9E-01		4.5E-03	1.2E-04		4.2E-03	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	B152S3	TLM TUs	Narc TUs	B153B1	TLM TUs	Narc TUs	B153B2	TLM TUs	Narc TUs	B153B3	TLM TUs	Narc TUs	B153S1
Group	Chemical	(TU)	(TU)	1/11/2010	(TU)	(TU)	12/21/2009	(TU)	(TU)	12/21/2009	(TU)	(TU)	12/21/2009	(TU)	(TU)	12/21/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	0.00059	8.0E-05	1.6E-05	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	0.0016	1.6E-04	7.1E-05	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	0.0031	2.9E-04	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	0.72	4.9E-01	--	ND
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	0.016
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Methylene chloride	--	--	NS	--	--	0.012	7.2E-03	--	0.005	3.0E-03	--	0.021	1.3E-02	--	0.014
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--	ND

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		5.3E-04	8.7E-05	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		4.9E-01	0	
Sum of VOC TUs	0	0		0	0		7.2E-03	0		3.0E-03	0		1.3E-02	0	
Sum of total TUs	0	0		0	0		7.2E-03	0		3.0E-03	0		5.0E-01	8.7E-05	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	B154B1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B154S1 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B154S2 1/12/2010	TLM TUs (TU)	Narc TUs (TU)	B155B1 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B155B2 1/7/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	0.0025	2.4E-04
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	ND	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	1.0E-03	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	0.016	1.0E-03
VOC	Benzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Butanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	sec-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	tert-Butylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Isopropylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Cyclohexanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	p-Isopropyltoluene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2-Dichloroethane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	cis-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	trans-1,2-Dichloroethene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Ethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	2-Hexanone	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methyl acetate	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylcyclohexane	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Methylene chloride	8.4E-03	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Naphthalene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	n-Propyl benzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Styrene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	t-Butyl alcohol	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Tetrachloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Toluene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Trichloroethylene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Vinyl chloride	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Xylenes (total)	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		2.4E-04
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of VOC TUs	9.5E-03	0		0	0		0	0		0	0		0	0		1.0E-03
Sum of total TUs	9.5E-03	0		0	0		0	0		0	0		0	0		1.3E-03

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	Narc TUs (TU)	B155B3 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155B4 1/6/2010	TLM TUs (TU)	Narc TUs (TU)	B155S1 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B155S2 1/7/2010	TLM TUs (TU)	Narc TUs (TU)	B156B1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	1.1E-04	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.32	2.1E-01	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	0.1	6.3E-02	--	ND	--	--
SVOC	CS	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	0.018	1.2E-03	--	ND	--	--	NS	--	--	NS	--	--	0.01	6.5E-04	--
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.001	7.1E-04	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	0.002	1.2E-03	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Methylene chloride	--	0.002	1.2E-03	--	0.005	3.0E-03	--	NS	--	--	NS	--	--	ND	--	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--	--	ND	--	--

Sum of Pesticide TUs	1.1E-04		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		0	0		0	0		0	0		6.3E-02	0		2.1E-01	0
Sum of VOC TUs	0		2.4E-03	0		3.0E-03	0		0	0		0	0		2.5E-03	0
Sum of total TUs	1.1E-04		2.4E-03	0		3.0E-03	0		0	0		6.3E-02	0		2.1E-01	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	B156S1 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	B156S2 2/3/2010	TLM TUs (TU)	Narc TUs (TU)	BERS1 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS2 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BERS3 2/4/2010	TLM TUs (TU)	Narc TUs (TU)	BGS10S1 12/10/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	BGS11S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS12S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BGS1S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS2S1 12/9/2010	TLM TUs (TU)	Narc TUs (TU)	BGS3S1 12/9/2010
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	BGS4S1	TLM TUs	Narc TUs	BGS5S1	TLM TUs	Narc TUs	BGS6S1	TLM TUs	Narc TUs	BGS7S1	TLM TUs	Narc TUs	BGS8S1
Group	Chemical	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/9/2010	(TU)	(TU)	12/10/2010	(TU)	(TU)	12/10/2010
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	BGS9S1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BORROWAREAS1 12/10/2010	TLM TUs (TU)	Narc TUs (TU)	BPB1 1/26/2010	TLM TUs (TU)	Narc TUs (TU)	BPB2 1/26/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	ND	--	--	0.25	3.6E-02	--	0.16	2.3E-02	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	ND	--	--	0.84	2.3E-01	2.9E-02	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Benzene	--	--	NS	--	--	ND	--	--	ND	--	--	0.0009	2.8E-04	1.2E-04
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Styrene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Toluene	--	--	NS	--	--	ND	--	--	ND	--	--	0.002	5.5E-04	2.4E-04
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		2.6E-01	2.9E-02		2.3E-02	0
Sum of VOC TUs	0	0		0	0		0	0		0	0		8.3E-04	3.6E-04
Sum of total TUs	0	0		0	0		0	0		2.6E-01	2.9E-02		2.4E-02	3.6E-04

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	BPS1 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	BPS2 1/25/2010	TLM TUs (TU)	Narc TUs (TU)	BVLS1 1/20/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B2 1/19/2010	TLM TUs (TU)	Narc TUs (TU)	DA23B3 1/19/2010	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	30.89	--	--	ND	--	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	11.103	--	--	ND	--	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	41.993	--	--	ND	--	--
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	1.4	3.7E-01	3.5E-01	ND	--	--
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	1.4	3.0E-01	2.3E-01	ND	--	--
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	3.3	4.9E-01	3.7E-01	ND	--	--
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	2.3	2.9E-01	2.4E-01	ND	--	--
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	3	3.8E-01	3.6E-01	ND	--	--
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	1.4	1.4E-01	2.5E-02	ND	--	--
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	1.3	1.6E-01	1.6E-01	ND	--	--
SVOC	Benzoic acid	ND	--	--	NS	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	0.08	4.1E-02	4.0E-03	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	1	5.0E-01	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	0.61	3.8E-01	--	0.92	5.8E-01	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	1.8	8.5E-01	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	3.6	5.3E-01	4.4E-01	ND	--	--
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	0.39	4.2E-02	3.7E-02	ND	--	--
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	0.63	2.9E-01	1.8E-02	ND	--	--
SVOC	Diethylphthalate	0.1	4.0E-02	4.9E-03	0.79	3.2E-01	3.9E-02	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	0.11	3.0E-02	3.8E-03	0.13	3.5E-02	4.5E-03	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	8.4	1.5	1.1	ND	--	--
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	0.83	2.0E-01	1.5E-01	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	1.3	1.4E-01	1.4E-01	ND	--	--
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	0.14	8.0E-02	2.9E-02	ND	--	--
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	0.21	1.2E-01	4.7E-02	ND	--	--
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	7.1	1.5	1.5	ND	--	--
SVOC	Phenol	0.72	4.9E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	5.9	1.0	5.5E-01	ND	--	--
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	ND	--	--	ND	--	--	NS	--	--	0.008	5.2E-04	--	ND	--	--
VOC	Benzene	0.0009	2.8E-04	1.2E-04	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Butanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	p-Isopropyltoluene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	2-Hexanone	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methyl acetate	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Methylene chloride	ND	--	--	ND	--	--	NS	--	--	0.007	4.2E-03	--	ND	--	--
VOC	Naphthalene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Styrene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Toluene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	NS	--	--	ND	--	--	ND	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs		1.8	8.7E-03		9.3E-01	4.3E-02		0	0		8.1	5.8		0	0
Sum of VOC TUs		2.8E-04	1.2E-04		0	0		0	0		4.7E-03	0		0	0
Sum of total TUs		1.8	8.8E-03		9.3E-01	4.3E-02		0	0		8.1	5.8		0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		DA23B4	TLM TUs	Narc TUs	DA23B5	TLM TUs	Narc TUs	DA23B6	TLM TUs	Narc TUs	DA23S1	TLM TUs	Narc TUs	Debris Area 1S1	TLM TUs
Group	Chemical	12/15/2010	(TU)	(TU)	12/15/2010	(TU)	(TU)	1/3/2012	(TU)	(TU)	1/19/2010	(TU)	(TU)	1/11/2010	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	0.0021	1.6E-04	--	NS	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	0.025	2.4E-03	1.1E-03	NS	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	0.00045	4.4E-05	--	NS	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	ND	--	--	NS	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	ND	--	--	ND	--
VOC	Acetone	0.031	2.0E-03	--	NS	--	--	ND	--	--	NS	--	--	0.05	3.2E-03
VOC	Benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	2-Butanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	n-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	sec-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	tert-Butylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Isopropylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Cyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Cyclohexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	p-Isopropyltoluene	0.002	1.2E-03	--	0.003	1.8E-03	--	ND	--	--	NS	--	--	ND	--
VOC	1,2-Dichloroethane	ND	--	--	ND	--	--	0.009	5.7E-03	--	NS	--	--	ND	--
VOC	cis-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	trans-1,2-Dichloroethene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Ethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	2-Hexanone	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methyl acetate	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methylcyclohexane	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Methylene chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Naphthalene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	n-Propyl benzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Styrene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	t-Butyl alcohol	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Tetrachloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Toluene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Trichloroethylene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	1,2,4-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	1,3,5-Trimethylbenzene	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Vinyl chloride	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--
VOC	Xylenes (total)	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--

Sum of Pesticide TUs		0	0		0	0		0	0		2.7E-03	1.1E-03		0
Sum of SVOC TUs		0	0		0	0		0	0		0	0		0
Sum of VOC TUs		3.2E-03	0		1.8E-03	0		5.7E-03	0		0	0		3.2E-03
Sum of total TUs		3.2E-03	0		1.8E-03	0		5.7E-03	0		2.7E-03	1.1E-03		3.2E-03

Group	Chemical	Narc TUs (TU)	Debris Area 1S2 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	Debris Area 1S3 1/11/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S10 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S12 12/20/2010	TLM TUs (TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Aniline	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Phenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Acetone	--	ND	--	--	0.075	4.9E-03	--	NS	--	--	NS	--
VOC	Benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	2-Butanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Cyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	2-Hexanone	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methyl acetate	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Methylene chloride	--	0.003	1.8E-03	--	ND	--	--	NS	--	--	NS	--
VOC	Naphthalene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Styrene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Toluene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	--	ND	--	--	ND	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	--	ND	--	--	ND	--	--	NS	--	--	NS	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0		0	0		0	0		0	0		0
Sum of VOC TUs	0		1.8E-03	0		4.9E-03	0		0	0		0
Sum of total TUs	0		1.8E-03	0		4.9E-03	0		0	0		0

Group	Chemical	Narc TUs (TU)	DEBRISAREA1S13 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S14 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S15 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S16 1/3/2011
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (Low MW)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (total)	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acenaphthylene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Acetophenone	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Aniline	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(a)pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(b)fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(g,h,i)perylene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzo(k)fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzoic acid	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,1'-Biphenyl	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	bis (2-Ethylhexyl) phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Butylbenzylphthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Carbazole	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	4-Chloro-3-methylphenol	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	ortho-Chlorobenzaldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzo(a,h)anthracene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibenzofuran	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Diethylphthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dimethyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Dibutyl phthalate	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1,2-Diphenylhydrazine	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluoranthene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Fluorene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Indeno(1,2,3-c,d)pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Benzophenone	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	1-Methylnaphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2-Methyl naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	3-Nitroaniline	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenanthrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Phenol	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Pyrene	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	2,4,6-Trichlorophenol	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0		0	0		0	0		0	0	
Sum of SVOC TUs	0		0	0		0	0		0	0	
Sum of VOC TUs	0		0	0		0	0		0	0	
Sum of total TUs	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S17 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S18 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S19 1/3/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		0	0
Sum of VOC TUs	0	0		0	0		0	0		0	0
Sum of total TUs	0	0		0	0		0	0		0	0

		DEBRISAREA1S4	TLM TUs	Narc TUs	DEBRISAREA1S5	TLM TUs	Narc TUs	DEBRISAREA1S6	TLM TUs	Narc TUs	DEBRISAREA1S6	TLM TUs	Narc TUs
Group	Chemical	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)	12/20/2010	(TU)	(TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0

Group	Chemical	DEBRISAREA1S6 12/20/2010	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S7 1/3/2011	TLM TUs (TU)	Narc TUs (TU)	DEBRISAREA1S8 1/3/2011	TLM TUs (TU)	Narc TUs (TU)
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acenaphthylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Acetophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Aniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzoic acid	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Carbazole	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibenzofuran	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Diethylphthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluoranthene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Fluorene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Benzophenone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenanthrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Phenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Pyrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs		0	0		0	0		0	0		0	0
Sum of SVOC TUs		0	0		0	0		0	0		0	0
Sum of VOC TUs		0	0		0	0		0	0		0	0
Sum of total TUs		0	0		0	0		0	0		0	0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		DEBRISAREA1S9	TLM TUs	Narc TUs	DEBRISAREAS11	TLM TUs	Narc TUs	DUMPS1	TLM TUs	Narc TUs	DUMPTP1	TLM TUs	Narc TUs	DUMPTP3
Group	Chemical	1/3/2011	(TU)	(TU)	12/20/2010	(TU)	(TU)	2/3/2010	(TU)	(TU)	4/7/2010	(TU)	(TU)	4/7/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.472
SVOC	PAHs (Low MW)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.64
SVOC	Acenaphthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.049
SVOC	Benzo(b)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.065
SVOC	Benzo(g,h,i)perylene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.056
SVOC	Benzo(k)fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.059
SVOC	Dibenzo(a,h)anthracene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.073
SVOC	Fluorene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	NS	--	--	NS	--	--	ND	--	--	ND	--	--	0.074
SVOC	2,4,6-Trichlorophenol	NS	--	--	NS	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	DUMPTP5	TLM TUs	Narc TUs	PSOB1	TLM TUs	Narc TUs	TAS1	TLM TUs	Narc TUs	TAS2	TLM TUs	Narc TUs	TAS3
Group	Chemical	(TU)	(TU)	4/7/2010	(TU)	(TU)	1/19/2010	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009	(TU)	(TU)	12/10/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	6.2E-03	5.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	8.2E-03	7.7E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	5.8E-03	1.0E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	8.7E-03	7.2E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	1.3E-02	9.5E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	1.3E-02	6.9E-03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	0.007	4.2E-03	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	ND	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	5.5E-02	3.7E-02		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		4.2E-03	0		0	0		0	0	
Sum of total TUs	5.5E-02	3.7E-02		0	0		4.2E-03	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	TAS4	TLM TUs	Narc TUs	TAS5	TLM TUs	Narc TUs	TAS6	TLM TUs	Narc TUs	TAS7	TLM TUs	Narc TUs	TAS8
Group	Chemical	(TU)	(TU)	11/24/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	12/11/2009	(TU)	(TU)	11/24/2009	(TU)	(TU)	11/24/2009
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0	
Sum of total TUs	0	0		0	0		0	0		0	0		0	0	

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		TLM TUs	Narc TUs	TRA1S1	TLM TUs	Narc TUs	TRA1S2	TLM TUs	Narc TUs	TRA1S3	TLM TUs	Narc TUs	TRA1S4	TLM TUs	Narc TUs	TRA2S1	TLM TUs	Narc TUs
Group	Chemical	(TU)	(TU)	2/8/2010	(TU)	(TU)	2/8/2010	(TU)	(TU)	2/8/2010	(TU)	(TU)	2/8/2010	(TU)	(TU)	2/9/2010	(TU)	(TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	NS	--	--	ND	--	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		0	0
Sum of total TUs	0	0		0	0		0	0		0	0		0	0		0	0

Group	Chemical	TRA2S2 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S3 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S4 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S5 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA2S6 2/9/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S1 2/10/2010
PEST	Aldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	beta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	delta-BHC	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Lindane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Chlordane (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDD	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDE	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	4,4'-DDT	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Dieldrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endosulfan sulfate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Endrin aldehyde	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Heptachlor epoxide	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	Methoxychlor	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
PEST	2,4,5-T	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	PAHs (High MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (Low MW)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	PAHs (total)	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acenaphthylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Acetophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Aniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(a)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(b)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(g,h,i)perylene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzo(k)fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzoic acid	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.25	1.6E-01	--	ND
SVOC	1,1'-Biphenyl	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	bis (2-Ethylhexyl) phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Butylbenzylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Carbazole	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	4-Chloro-3-methylphenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	ortho-Chlorobenzaldehyde	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	CS	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
SVOC	Chrysene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzo(a,h)anthracene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibenzofuran	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Diethylphthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dimethyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Dibutyl phthalate	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1,2-Diphenylhydrazine	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluoranthene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Fluorene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Indeno(1,2,3-c,d)pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Benzophenone	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	1-Methylnaphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2-Methyl naphthalene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	3-Nitroaniline	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenanthrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Phenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	Pyrene	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
SVOC	2,4,6-Trichlorophenol	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND
VOC	Acetone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Butanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	sec-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	tert-Butylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Isopropylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Cyclohexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	p-Isopropyltoluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2-Dichloroethane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	cis-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	trans-1,2-Dichloroethene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Ethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	2-Hexanone	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methyl acetate	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylcyclohexane	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Methylene chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Naphthalene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	n-Propyl benzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Styrene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	t-Butyl alcohol	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Tetrachloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Toluene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Trichloroethylene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,2,4-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	1,3,5-Trimethylbenzene	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Vinyl chloride	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS
VOC	Xylenes (total)	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS

Sum of Pesticide TUs		0	0		0	0		0	0		0	0		0	0	
Sum of SVOC TUs		0	0		0	0		0	0		0	0		1.6E-01	0	
Sum of VOC TUs		0	0		0	0		0	0		0	0		0	0	
Sum of total TUs		0	0		0	0		0	0		0	0		1.6E-01	0	

Group	Chemical	TLM TUs (TU)	Narc TUs (TU)	TRA3S10 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S2 2/10/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S3 2/11/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S4 2/11/2010	TLM TUs (TU)	Narc TUs (TU)	TRA3S5 2/10/2010	TLM TUs (TU)
PEST	Aldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	beta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	delta-BHC	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Lindane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Chlordane (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDD	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDE	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	4,4'-DDT	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Dieldrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endosulfan sulfate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Endrin aldehyde	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Heptachlor epoxide	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	Methoxychlor	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
PEST	2,4,5-T	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	PAHs (High MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (Low MW)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	PAHs (total)	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acenaphthylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Acetophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Aniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(a)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(b)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(g,h,i)perylene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzo(k)fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzoic acid	--	--	0.39	2.5E-01	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,1'-Biphenyl	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	bis (2-Ethylhexyl) phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Butylbenzylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Carbazole	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	4-Chloro-3-methylphenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	ortho-Chlorobenzaldehyde	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	CS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
SVOC	Chrysene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzo(a,h)anthracene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibenzofuran	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Diethylphthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dimethyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Dibutyl phthalate	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1,2-Diphenylhydrazine	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluoranthene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Fluorene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Benzophenone	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	1-Methylnaphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2-Methyl naphthalene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	3-Nitroaniline	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenanthrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Phenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	Pyrene	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
SVOC	2,4,6-Trichlorophenol	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
VOC	Acetone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Butanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	sec-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	tert-Butylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Isopropylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Cyclohexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	p-Isopropyltoluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2-Dichloroethane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	cis-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	trans-1,2-Dichloroethene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Ethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	2-Hexanone	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methyl acetate	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylcyclohexane	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Methylene chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Naphthalene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	n-Propyl benzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Styrene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	t-Butyl alcohol	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Tetrachloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Toluene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Trichloroethylene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,2,4-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	1,3,5-Trimethylbenzene	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Vinyl chloride	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--
VOC	Xylenes (total)	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--	NS	--

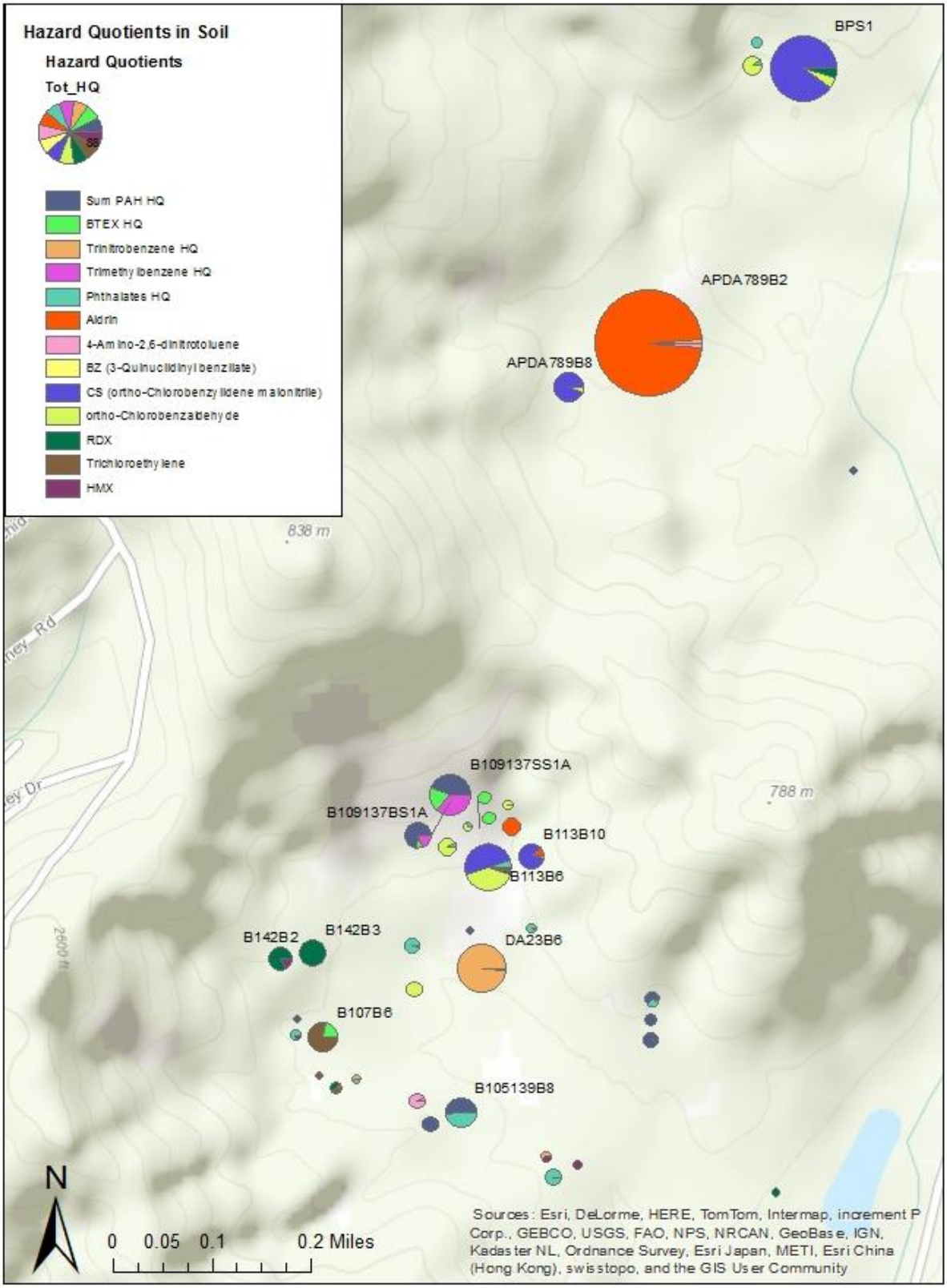
Sum of Pesticide TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of SVOC TUs	0	0		2.5E-01	0		0	0		0	0		0	0		0
Sum of VOC TUs	0	0		0	0		0	0		0	0		0	0		0
Sum of total TUs	0	0		2.5E-01	0		0	0		0	0		0	0		0

M5-4C: Surface Soil EqP Toxic Units at 1% Organic Carbon
Chemtronics, Swannanoa NC

		Narc TUs	TRA3S6	TLM TUs	Narc TUs	TRA3S7	TLM TUs	Narc TUs	TRA3S8	TLM TUs	Narc TUs	TRA3S9	TLM TUs	Narc TUs
Group	Chemical	(TU)	2/10/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/11/2010	(TU)	(TU)	2/10/2010	(TU)	(TU)
PEST	Aldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	beta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	delta-BHC	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Lindane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Chlordane (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDD	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDE	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	4,4'-DDT	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Dieldrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endosulfan sulfate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Endrin aldehyde	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Heptachlor epoxide	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	Methoxychlor	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
PEST	2,4,5-T	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	PAHs (High MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (Low MW)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	PAHs (total)	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acenaphthylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Acetophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Aniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(a)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(b)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(g,h,i)perylene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzo(k)fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzoic acid	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,1'-Biphenyl	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	bis (2-Ethylhexyl) phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Butylbenzylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Carbazole	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	4-Chloro-3-methylphenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	ortho-Chlorobenzaldehyde	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	CS	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
SVOC	Chrysene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzo(a,h)anthracene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibenzofuran	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Diethylphthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dimethyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Dibutyl phthalate	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1,2-Diphenylhydrazine	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluoranthene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Fluorene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Indeno(1,2,3-c,d)pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Benzophenone	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	1-Methylnaphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2-Methyl naphthalene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	3-Nitroaniline	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenanthrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Phenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	Pyrene	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
SVOC	2,4,6-Trichlorophenol	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
VOC	Acetone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Butanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	sec-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	tert-Butylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Isopropylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Cyclohexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	p-Isopropyltoluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2-Dichloroethane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	cis-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	trans-1,2-Dichloroethene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Ethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	2-Hexanone	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methyl acetate	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylcyclohexane	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Methylene chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Naphthalene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	n-Propyl benzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Styrene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	t-Butyl alcohol	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Tetrachloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Toluene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Trichloroethylene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,2,4-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	1,3,5-Trimethylbenzene	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Vinyl chloride	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--
VOC	Xylenes (total)	--	NS	--	--	NS	--	--	NS	--	--	NS	--	--

Sum of Pesticide TUs	0		0	0		0	0		0	0		0	0
Sum of SVOC TUs	0		0	0		0	0		0	0		0	0
Sum of VOC TUs	0		0	0		0	0		0	0		0	0
Sum of total TUs	0		0	0		0	0		0	0		0	0

Figure M5-5A. Organic chemicals in surface soils that have the greatest contribution to hazard quotients above 1 for the soil invertebrate community.



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M6 Contents: Step 3a BERA Technical Supporting Materials: Aquatic Community Evaluation (Surface Water, Ground Water, and Sediment)

Table M6-1: Refinement of COPECs: BERA Surface Water Criteria for Aquatic Wildlife

Table M6-2: Refinement of COPECs: BERA Sediment Criteria for Aquatic Wildlife

Table M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)

Table M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)

Table M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)

Table M6-4A: Calculation of Water Quality Benchmarks For Equilibrium Partioning Analysis From Target Lipid Model and USEPA Narcosis Values

Table M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)

Table M6-5: Sediment Equilibrium Partitioning Toxic Unit Results (All Samples)

Table M6-6A: Lindane Analyses for Surface Water Chemtronics Site

Table M6 – 6B: Lindane Analyses for Groundwater

Table M6 – 7A : Endosulfan Analyses for Surface Water

Table M6 – 7B: Endosulfan Analyses for Groundwater

Table M6 – 8A: Heptachlor Analyses for Surface Water

Table M6 – 8B: Heptachlor Analyses for Groundwater

Table M6 – 9A: Aldrin Analyses for Surface Water

Table M6 – 9B: Aldrin Analyses for Groundwater

Table M6 – 9C: Aldrin Analyses for Sediment

Table M6 – 10A: Chlordane Analyses for Surface Water

Table M6 – 10B: Chlordane Analyses for Groundwater

M6 Contents: Step 3a BERA Technical Supporting Materials: Aquatic Community Evaluation (Surface Water, Ground Water, and Sediment) CONTINUED

Table M6‑11A: DDT, DDD, and DDE Analyses for Surface Water

Table M6‑11B: DDT, DDD, and DDE Analyses for Groundwater

Table M6‑12A: TCE Analyses for Surface Water

Table M6‑12B: TCE Analyses for Groundwater

Table M6‑13A: Perchlorate Analyses for Surface Water

Table M6‑13B: Perchlorate Analyses for Sediment

Table M6‑13C: Perchlorate Analyses for Groundwater

Table M6‑14A: Ammonia Analyses for Surface Water

Table M6‑14B: Ammonia Analyses for Groundwater

M6-1: Refinement of COPECs: BERA Surface Water Criteria for Aquatic Wildlife
Chemtronics Site - Swannanoa, NC

CASRN	ChemicalGroup	Chemical	SLERA Criterion	Source	EC20 Daphnids (a)	EC20 Fish (a)	EC20 Sensitive Species (a)	EC25 Bass Population (a)	LCV Aquatic Plants (a)	LCV Daphnids (a)	LCV Fish (a)	LCV Non-Daphnid Inverts (a)	Med Effects Based Criterion (b)	Source (b)	BERA Criterion (c) (mg/L)	Source (d)
7429-90-5	INORG	Aluminum	0.087	NRWQC	0.54	4.7	0.075	--	0.46	1.9	3.29	--	1.22	median	1.22	BERA
7664-41-7	INORG	Ammonia	--		--	--	--	--	--	--	--	--	--	EC20 Daph	--	BERA
7440-39-3	INORG	Barium	0.22	R5	--	--	--	--	--	--	--	--	--	EC20 Daph	0.22	SLERA
7440-43-9	INORG	Cadmium	0.00025	NRWQC	0.00075	0.0018	0.000013	0.0043	0.002	0.00015	0.0017	--	0.0017	LCV Fish	0.0017	BERA
7440-70-2	INORG	Calcium	--		--	--	--	--	--	116	--	--	116	LCV Daph	116	BERA
7440-47-3	INORG	Chromium (total)	0.05	NC	--	--	--	--	--	--	--	--	--	EC20 Daph	0.05	SLERA
7440-48-4	INORG	Cobalt	0.024	R5	0.0044	0.81	--	0.00398	--	0.0051	0.29	--	0.0051	LCV Daph	0.024	SLERA
7440-50-8	INORG	Copper	0.009	NRWQC	0.000205	0.005	0.00026	0.0086	0.001	0.00023	0.0038	0.00607	0.0024	median	0.009	SLERA
57-12-5	INORG	Cyanide	0.0052	NRWQC	--	0.0053	0.00117	0.011	0.03	--	0.0078	0.0183	0.0094	median	0.0094	BERA
7439-89-6	INORG	Iron	1	NRWQC	0.016	--	--	--	--	0.158	1.3	--	0.158	LCV Daph	1	SLERA
7439-92-1	INORG	Lead	0.0025	NRWQC	--	0.022	0.00035	0.071	0.5	0.0123	0.0189	0.0255	0.022	EC20 Fish	0.022	BERA
7439-95-4	INORG	Magnesium	3.2	TX	--	--	--	--	--	82	--	--	82	LCV Daph	82	BERA
7439-96-5	INORG	Manganese	0.12	T2	1.1	1.27	--	0.112	--	1.1	1.78	--	1.1	EC20 Daph	1.1	BERA
14797-55-8	INORG	Nitrate	--		--	--	--	--	--	--	--	--	--	EC20 Daph	--	BERA
14797-65-0	INORG	Nitrite	--		--	--	--	--	--	--	--	--	--	EC20 Daph	--	BERA
7782-49-2	INORG	Selenium	0.005	NRWQC	0.025	0.04	0.0026	--	0.1	0.0917	0.0883	--	0.0642	median	0.0642	BERA
7440-22-4	INORG	Silver	0.000012	R4	0.00056	0.0002	0.00014	0.00032	0.03	0.0026	0.00012	--	0.00032	EC20 Bass Pop	0.00032	BERA
7440-23-5	INORG	Sodium	--		--	--	--	--	--	680	--	--	680	LCV Daph	680	BERA
7440-62-2	INORG	Vanadium	0.012	R5	0.43	0.041	--	0.032	--	1.9	0.08	--	0.08	LCV Fish	0.08	BERA
7440-66-6	INORG	Zinc	0.12	NRWQC	--	0.047	0.021	0.08	0.03	0.0467	0.0364	5.24	0.0467	LCV Daph	0.12	SLERA
18496-25-8	WQ	Sulfide (total)	--		--	--	--	--	--	--	--	--	--	EC20 Daph	--	

--	No criterion.
BERA	Baseline ecological risk assessment.
COPECs	Chemicals of potential ecological concern.
EC20	20% effects concentration. Value taken from Daphnia (Daph), bass (Bass pop), or fish (Fish) studies found in ORNL.
LCV	Lowest acceptable chronic value. Value taken from Daphnia (Daph), plants (Plants), or fish (Fish) studies found in ORNL.
Median	Median was taken from values found in ORNL.
mg/L	Milligram per liter.
NA	Not available.
NC	NC DENR. 2007. Redbook - Surface Waters And Wetlands Standards. NC Administrative Code 15ANCAC02B.0100, 0200 & 0300. Amended Effective May 1, 2007. Last accessed March 5, 2009. http://h2o.enr.state.nc.us/admin/rules/codes_statutes.htm.
NRWQC	USEPA. 2006. National Recommended Water Quality Criteria. Office of Water, Office of Science and Technology.
R4	USEPA Region 4. 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html
R5	USEPA Region 5. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
SLERA	Screening level ecological risk assessement.
T2	Suter, G.W. II and C.L. Tsao 1996. Toxicological benchmarks for screening potential chemicals of concern for effects on aquatic biota: 1996 revision. ES/ER/TM-96/R2. Oak Ridge National Laboratory, Oak Ridge, TN. Tier 2 Values. http://www.esd.ornl.gov/programs/ecorisk/documents/tm96r2.pdf.
TX	Texas Commission for Environmental Quality (TCEQ). 2006. Update to Guidance for Conducting Ecological Risk Assessments at Remediation Sites In Texas RG-263 (Revised). Remediation Division. http://www.tceq.state.tx.us/assets/public/remediation/eco/0106eragupdate.pdf.
(a)	Effects-based criteria from RAIS. http://rais.ornl.gov/tools/eco_search.php
(b)	The median criterion is identified as the specific criterion (for chemicals with odd numbers of criteria) or as the calculated median (for chemicals with even number of criteria).
(c)	The BERA criterion is the greater of the median effects-based criterion or the screening-level criterion.
(d)	The source of the BERA criterion is identified as the BERA criterion (the mean effects-based criterion) or as "no change" from the SLERA criterion.
(e)	The median value for DDT was not used. The LCV for daphnids was used instead in order to be appropriately conservative.

M6-2: Refinement of COPECs: BERA Sediment Criteria for Aquatic Wildlife
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Chemical	USEPA Region 4 Screening Criterion (a) (mg/kg)	Region 5 Ecological Screening Level (b) (mg/kg)	Other Criterion (c) (mg/kg)	Source	BERA Criterion (mg/kg)	Source
7440-41-7	INORG	Beryllium	--	--			12	R4 antimony
7440-42-8	INORG	Boron	--	--			12	R4 antimony
7440-43-9	INORG	Cadmium	1	0.99			1	R4
7439-89-6	INORG	Iron	--	--	20000	NOAA-LEL	20000	NOAA-LEL
7439-93-2	INORG	Lithium	--	--			12	R4 antimony
7439-96-5	INORG	Manganese	--	--	630	NOAA-TEL	630	NOAA-TEL
14797-73-0	INORG	Perchlorate	--	--	0.6	NCEA	0.6	NCEA
7782-49-2	INORG	Selenium	--	--	2	USEPA R3	2	USEPA R3
7440-28-0	INORG	Thallium	--	--			12	R4 antimony
7440-31-5	INORG	Tin	--	--	5	NOAA-BKG	5	NOAA-BKG
7440-32-6	INORG	Titanium	--	--			1000	R4 SS Crit

--	No criterion.
BERA	Baseline ecological risk assessment.
COPEC	Chemicals of potential ecological concern.
mg/kg	Milligram per kilogram.
MW	Molecular weight.
PAHs	Polycyclic aromatic hydrocarbons.

(a)	USEPA Region 4. 2001 (R4). "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html.
(b)	USEPA Region 5. 2003 (R5). Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
(c)	Criteria from other sources.

NCEA	USEPA. 2002. Perchlorate Environmental Contamination. http://www.epa.gov/ncea/pdfs/perchlorate/final_rpt.pdf
NOAA-BKG	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. Background values for freshwater sediment.
NOAA-LEL	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. ARCS Lowest Effects Level.
NOAA-TEL	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. ARCS Threshold Effects Level.
R4	USEPA Region 4. 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html
R4n antimony	USEPA Region 4 criterium for antimony used as a surrogate.
USEPA R3	USEPA Region 3. 2006. Freshwater Screening benchmarks. http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fwsed/screenbench.htm

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Bee Tree Creek	BTW 1-P44	INORG	Aluminum	7429-90-5	T	0.103	J	0.0802	1.22	BERA	0.08
Bee Tree Creek	BTW 1-P44	INORG	Aluminum	7429-90-5	T	0.162	J	0.0802	1.22	BERA	0.1
Bee Tree Creek	BTW 1-P44	INORG	Ammonia	7664-41-7	T	0.036	J	0.03	--	SLERA	--
Bee Tree Creek	BTW 1-P44	INORG	Iron	7439-89-6	T	0.213		0.0522	1	SLERA	0.2
Bee Tree Creek	BTW 1-P44	INORG	Iron	7439-89-6	T	0.252		0.0522	1	SLERA	0.3
Bee Tree Creek	BTW 1-P44	INORG	Manganese	7439-96-5	T	0.0224		0.00084	1.1	BERA	0.02
Bee Tree Creek	BTW 1-P44	INORG	Nitrate	14797-55-8	T	0.16		0.04	--	SLERA	--
Bee Tree Creek	BTW 1-P44	INORG	Potassium	7440-09-7	T	1.12		0.0503	--	SLERA	--
Bee Tree Creek	BTW 1-P44	WQ	Sulfate	14808-79-8	T	5.7		1.5	WQ	WQ	--
Bee Tree Creek	BTW 1-P45	INORG	Aluminum	7429-90-5	T	0.133	J	0.0802	1.22	BERA	0.1
Bee Tree Creek	BTW 1-P45	INORG	Iron	7439-89-6	T	0.206		0.0522	1	SLERA	0.2
Bee Tree Creek	BTW 2A-T35	INORG	Aluminum	7429-90-5	T	0.136	J	0.0802	1.22	BERA	0.1
Bee Tree Creek	BTW 2A-T35	INORG	Iron	7439-89-6	T	0.236		0.0522	1	SLERA	0.2
Bee Tree Creek	BTW 2-S35	INORG	Aluminum	7429-90-5	T	0.12	J	0.0802	1.22	BERA	0.1
Bee Tree Creek	BTW 2-S35	INORG	Aluminum	7429-90-5	T	0.392	J	0.0802	1.22	BERA	0.3
Bee Tree Creek	BTW 2-S35	INORG	Ammonia	7664-41-7	T	0.034	J	0.03	--	SLERA	--
Bee Tree Creek	BTW 2-S35	INORG	Iron	7439-89-6	T	0.236		0.0522	1	SLERA	0.2
Bee Tree Creek	BTW 2-S35	INORG	Iron	7439-89-6	T	0.513		0.0522	1	SLERA	0.5
Bee Tree Creek	BTW 2-S35	INORG	Manganese	7439-96-5	T	0.0292		0.00084	1.1	BERA	0.03
Bee Tree Creek	BTW 2-S35	INORG	Nitrate	14797-55-8	T	0.16		0.04	--	SLERA	--
Bee Tree Creek	BTW 2-S35	INORG	Potassium	7440-09-7	T	1.12		0.0503	--	SLERA	--
Bee Tree Creek	BTW 2-S35	INORG	Sulfide	18496-25-8	T	0.72	J	0.53	--	0	--
Bee Tree Creek	BTW 2-S35	WQ	Sulfate	14808-79-8	T	5.5		1.5	WQ	WQ	--
Bee Tree Creek	BTW 3-U30	INORG	Aluminum	7429-90-5	T	0.225		0.0802	1.22	BERA	0.2
Bee Tree Creek	BTW 3-U30	INORG	Aluminum	7429-90-5	T	0.146	J	0.0802	1.22	BERA	0.1
Bee Tree Creek	BTW 3-U30	INORG	Ammonia	7664-41-7	T	0.035	J	0.03	--	SLERA	--
Bee Tree Creek	BTW 3-U30	INORG	Iron	7439-89-6	T	0.376		0.0522	1	SLERA	0.4
Bee Tree Creek	BTW 3-U30	INORG	Iron	7439-89-6	T	0.267		0.0522	1	SLERA	0.3
Bee Tree Creek	BTW 3-U30	INORG	Manganese	7439-96-5	T	0.0312		0.00084	1.1	BERA	0.03
Bee Tree Creek	BTW 3-U30	INORG	Nitrate	14797-55-8	T	0.2		0.04	--	SLERA	--
Bee Tree Creek	BTW 3-U30	INORG	Potassium	7440-09-7	T	1.1		0.0503	--	SLERA	--
Bee Tree Creek	BTW 3-U30	PEST	Chlordane (total)	57-74-9	T	0.000015		0.000003	EqP	EqP	--
Bee Tree Creek	BTW 3-U30	WQ	Sulfate	14808-79-8	T	7	J	1.5	WQ	WQ	--
Gregg Branch	GBW 1A-R33	INORG	Aluminum	7429-90-5	T	0.297		0.0802	1.22	BERA	0.2
Gregg Branch	GBW 1A-R33	INORG	Aluminum	7429-90-5	T	1.3	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 1A-R33	INORG	Aluminum	7429-90-5	D	0.225		0.0802	1.22	BERA	0.2
Gregg Branch	GBW 1A-R33	INORG	Aluminum	7429-90-5	T	0.465	J	0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1A-R33	INORG	Ammonia	7664-41-7	T	0.037	J	0.03	--	SLERA	--
Gregg Branch	GBW 1A-R33	INORG	Iron	7439-89-6	T	0.412		0.0522	1	SLERA	0.4
Gregg Branch	GBW 1A-R33	INORG	Iron	7439-89-6	T	1.95	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1A-R33	INORG	Iron	7439-89-6	D	0.266		0.0522	1	SLERA	0.3
Gregg Branch	GBW 1A-R33	INORG	Iron	7439-89-6	T	0.611		0.0522	1	SLERA	0.6

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 1A-R33	INORG	Manganese	7439-96-5	T	0.0175		0.00084	1.1	BERA	0.02
Gregg Branch	GBW 1A-R33	INORG	Nitrate	14797-55-8	T	0.054	J	0.04	--	SLERA	--
Gregg Branch	GBW 1A-R33	INORG	Potassium	7440-09-7	T	1.45		0.0503	--	SLERA	--
Gregg Branch	GBW 1A-R33	WQ	Sulfate	14808-79-8	T	5.4		1.5	WQ	WQ	--
Gregg Branch	GBW 1B-Q29	INORG	Aluminum	7429-90-5	T	0.453		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1B-Q29	INORG	Aluminum	7429-90-5	T	1.09	J	0.0802	1.22	BERA	0.9
Gregg Branch	GBW 1B-Q29	INORG	Aluminum	7429-90-5	T	0.417		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 1B-Q29	INORG	Aluminum	7429-90-5	T	0.465		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1B-Q29	INORG	Iron	7439-89-6	T	0.679		0.0522	1	SLERA	0.7
Gregg Branch	GBW 1B-Q29	INORG	Iron	7439-89-6	D	0.104	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 1B-Q29	INORG	Iron	7439-89-6	T	1.72	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1B-Q29	INORG	Iron	7439-89-6	T	0.504		0.0522	1	SLERA	0.5
Gregg Branch	GBW 1B-Q29	INORG	Iron	7439-89-6	T	0.577		0.0522	1	SLERA	0.6
Gregg Branch	GBW 1B-Q29	INORG	Manganese	7439-96-5	T	0.0385		0.00084	1.1	BERA	0.04
Gregg Branch	GBW 1B-Q29	INORG	Nitrate	14797-55-8	T	0.048	J	0.04	--	SLERA	--
Gregg Branch	GBW 1B-Q29	INORG	Potassium	7440-09-7	T	1.36		0.0503	--	SLERA	--
Gregg Branch	GBW 1B-Q29	WQ	Sulfate	14808-79-8	T		J	1.5	WQ	WQ	--
Gregg Branch	GBW 1B-R31	INORG	Aluminum	7429-90-5	T	1.2	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 1B-R31	INORG	Aluminum	7429-90-5	T	1.21	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 1B-R31	INORG	Aluminum	7429-90-5	T	0.459		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1B-R31	INORG	Iron	7439-89-6	T	1.92	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1B-R31	INORG	Iron	7439-89-6	D	0.0696	J	0.0522	1	SLERA	0.07
Gregg Branch	GBW 1B-R31	INORG	Iron	7439-89-6	T	1.98	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1B-R31	INORG	Iron	7439-89-6	D	0.0762	J	0.0522	1	SLERA	0.08
Gregg Branch	GBW 1B-R31	INORG	Iron	7439-89-6	T	0.535		0.0522	1	SLERA	0.5
Gregg Branch	GBW 1C-Q28	INORG	Aluminum	7429-90-5	T	2.94		0.0802	1.22	BERA	2
Gregg Branch	GBW 1C-Q28	INORG	Aluminum	7429-90-5	T	0.639	J	0.0802	1.22	BERA	0.5
Gregg Branch	GBW 1C-Q28	INORG	Aluminum	7429-90-5	T	0.363		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 1C-Q28	INORG	Iron	7439-89-6	T	4.01		0.0522	1	SLERA	4
Gregg Branch	GBW 1C-Q28	INORG	Iron	7439-89-6	T	1.43		0.0522	1	SLERA	1
Gregg Branch	GBW 1C-Q28	INORG	Iron	7439-89-6	D	0.0847	J	0.0522	1	SLERA	0.08
Gregg Branch	GBW 1C-Q28	INORG	Iron	7439-89-6	T	0.437		0.0522	1	SLERA	0.4
Gregg Branch	GBW 1C-Q28	INORG	Manganese	7439-96-5	T	0.277		0.00084	1.1	BERA	0.3
Gregg Branch	GBW 1C-Q28	INORG	Potassium	7440-09-7	T	1.57		0.0503	--	SLERA	--
Gregg Branch	GBW 1C-Q29	INORG	Aluminum	7429-90-5	T	0.716	J	0.0802	1.22	BERA	0.6
Gregg Branch	GBW 1C-Q29	INORG	Aluminum	7429-90-5	T	0.53		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1C-Q29	INORG	Iron	7439-89-6	D	0.109	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 1C-Q29	INORG	Iron	7439-89-6	T	1.43	J	0.0522	1	SLERA	1
Gregg Branch	GBW 1C-Q29	INORG	Iron	7439-89-6	T	0.679		0.0522	1	SLERA	0.7
Gregg Branch	GBW 1D-O28	INORG	Aluminum	7429-90-5	T	0.354		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 1D-O28	INORG	Aluminum	7429-90-5	T	0.561	J	0.0802	1.22	BERA	0.5
Gregg Branch	GBW 1D-O28	INORG	Iron	7439-89-6	T	0.466		0.0522	1	SLERA	0.5

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 1D-O28	INORG	Iron	7439-89-6	T	1.19		0.0522	1	SLERA	1
Gregg Branch	GBW 1D-O28	INORG	Iron	7439-89-6	D	0.11	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 1D-Q29	INORG	Aluminum	7429-90-5	T	0.293		0.0802	1.22	BERA	0.2
Gregg Branch	GBW 1D-Q29	INORG	Aluminum	7429-90-5	T	1.42	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 1D-Q29	INORG	Aluminum	7429-90-5	T	0.654		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 1D-Q29	INORG	Iron	7439-89-6	T	0.441		0.0522	1	SLERA	0.4
Gregg Branch	GBW 1D-Q29	INORG	Iron	7439-89-6	T	2	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1D-Q29	INORG	Iron	7439-89-6	D	0.0948	J	0.0522	1	SLERA	0.09
Gregg Branch	GBW 1D-Q29	INORG	Iron	7439-89-6	T	0.809		0.0522	1	SLERA	0.8
Gregg Branch	GBW 1D-Q29	INORG	Manganese	7439-96-5	T	0.0185		0.00084	1.1	BERA	0.02
Gregg Branch	GBW 1D-Q29	INORG	Nitrate	14797-55-8	T	0.044	J	0.04	--	SLERA	--
Gregg Branch	GBW 1D-Q29	INORG	Potassium	7440-09-7	T	1.32		0.0503	--	SLERA	--
Gregg Branch	GBW 1E-N28	INORG	Aluminum	7429-90-5	T	0.55	J	0.0802	1.22	BERA	0.5
Gregg Branch	GBW 1E-N28	INORG	Aluminum	7429-90-5	T	0.452		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1E-N28	INORG	Iron	7439-89-6	T	1.19		0.0522	1	SLERA	1
Gregg Branch	GBW 1E-N28	INORG	Iron	7439-89-6	D	0.106	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 1E-N28	INORG	Iron	7439-89-6	T	0.685		0.0522	1	SLERA	0.7
Gregg Branch	GBW 1E-Q27	INORG	Aluminum	7429-90-5	T	0.968	J	0.0802	1.22	BERA	0.8
Gregg Branch	GBW 1E-Q27	INORG	Aluminum	7429-90-5	T	0.613		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 1E-Q27	INORG	Iron	7439-89-6	T	1.55	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1E-Q27	INORG	Iron	7439-89-6	D	0.0754	J	0.0522	1	SLERA	0.08
Gregg Branch	GBW 1E-Q27	INORG	Iron	7439-89-6	T	0.747		0.0522	1	SLERA	0.7
Gregg Branch	GBW 1E-Q27	PEST	Chlordane (total)	57-74-9	T	0.000015	J	0.000011	EqP	EqP	--
Gregg Branch	GBW 1F-P26	INORG	Aluminum	7429-90-5	T	0.996	J	0.0802	1.22	BERA	0.8
Gregg Branch	GBW 1F-P26	INORG	Aluminum	7429-90-5	T	0.375		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 1F-P26	INORG	Iron	7439-89-6	T	1.53	J	0.0522	1	SLERA	2
Gregg Branch	GBW 1F-P26	INORG	Iron	7439-89-6	T	0.54		0.0522	1	SLERA	0.5
Gregg Branch	GBW 1-S35	INORG	Aluminum	7429-90-5	T	0.17	J	0.0802	1.22	BERA	0.1
Gregg Branch	GBW 1-S35	INORG	Aluminum	7429-90-5	T	1.32	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 1-S35	INORG	Aluminum	7429-90-5	T	0.453	J	0.0802	1.22	BERA	0.4
Gregg Branch	GBW 1-S35	INORG	Ammonia	7664-41-7	T	0.055	J	0.03	--	SLERA	--
Gregg Branch	GBW 1-S35	INORG	Iron	7439-89-6	T	0.282		0.0522	1	SLERA	0.3
Gregg Branch	GBW 1-S35	INORG	Iron	7439-89-6	T	2.2		0.0522	1	SLERA	2
Gregg Branch	GBW 1-S35	INORG	Iron	7439-89-6	T	0.613		0.0522	1	SLERA	0.6
Gregg Branch	GBW 1-S35	INORG	Manganese	7439-96-5	T	0.051		0.00084	1.1	BERA	0.05
Gregg Branch	GBW 1-S35	INORG	Nitrate	14797-55-8	T	0.058	J	0.04	--	SLERA	--
Gregg Branch	GBW 1-S35	INORG	Potassium	7440-09-7	T	1.23		0.0503	--	SLERA	--
Gregg Branch	GBW 1-S35	INORG	Sulfide	18496-25-8	T	0.72	J	0.53	--	0	--
Gregg Branch	GBW 1-S35	WQ	Sulfate	14808-79-8	T	5.3	J	1.5	WQ	WQ	--
Gregg Branch	GBW 2A-L26	INORG	Aluminum	7429-90-5	T	0.563	J	0.0802	1.22	BERA	0.5
Gregg Branch	GBW 2A-L26	INORG	Aluminum	7429-90-5	T	0.428	J	0.0802	1.22	BERA	0.4
Gregg Branch	GBW 2A-L26	INORG	Iron	7439-89-6	T	1.03		0.0522	1	SLERA	1

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 2A-L26	INORG	Iron	7439-89-6	D	0.124	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 2A-L26	INORG	Iron	7439-89-6	T	0.82		0.0522	1	SLERA	0.8
Gregg Branch	GBW 2A-O25	INORG	Aluminum	7429-90-5	T	1.98	J	0.0802	1.22	BERA	2
Gregg Branch	GBW 2A-O25	INORG	Aluminum	7429-90-5	T	0.624		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 2A-O25	INORG	Iron	7439-89-6	T	3.29	J	0.0522	1	SLERA	3
Gregg Branch	GBW 2A-O25	INORG	Iron	7439-89-6	T	1.07		0.0522	1	SLERA	1
Gregg Branch	GBW 2B-L26	INORG	Aluminum	7429-90-5	T	0.474	J	0.0802	1.22	BERA	0.4
Gregg Branch	GBW 2B-L26	INORG	Aluminum	7429-90-5	T	0.604		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 2B-L26	INORG	Iron	7439-89-6	T	0.654		0.0522	1	SLERA	0.7
Gregg Branch	GBW 2B-L26	INORG	Iron	7439-89-6	D	0.0974	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 2B-L26	INORG	Iron	7439-89-6	T	0.745		0.0522	1	SLERA	0.7
Gregg Branch	GBW 2B-P25	INORG	Aluminum	7429-90-5	T	2.94	J	0.0802	1.22	BERA	2
Gregg Branch	GBW 2B-P25	INORG	Aluminum	7429-90-5	T	0.437		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 2B-P25	INORG	Iron	7439-89-6	T	11.7	J	0.0522	1	SLERA	10
Gregg Branch	GBW 2B-P25	INORG	Iron	7439-89-6	T	1.96		0.0522	1	SLERA	2
Gregg Branch	GBW 2C-P25	INORG	Aluminum	7429-90-5	T	0.83	J	0.0802	1.22	BERA	0.7
Gregg Branch	GBW 2C-P25	INORG	Aluminum	7429-90-5	T	0.296		0.0802	1.22	BERA	0.2
Gregg Branch	GBW 2C-P25	INORG	Iron	7439-89-6	T	1.02	J	0.0522	1	SLERA	1
Gregg Branch	GBW 2C-P25	INORG	Iron	7439-89-6	T	0.333		0.0522	1	SLERA	0.3
Gregg Branch	GBW 2D-O25	INORG	Aluminum	7429-90-5	T	1.34	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 2D-O25	INORG	Aluminum	7429-90-5	T	0.545		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 2D-O25	INORG	Iron	7439-89-6	T	2	J	0.0522	1	SLERA	2
Gregg Branch	GBW 2D-O25	INORG	Iron	7439-89-6	D	0.127	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 2D-O25	INORG	Iron	7439-89-6	T	0.9		0.0522	1	SLERA	0.9
Gregg Branch	GBW 2-M27	INORG	Aluminum	7429-90-5	T	0.595		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 2-M27	INORG	Aluminum	7429-90-5	T	0.882	J	0.0802	1.22	BERA	0.7
Gregg Branch	GBW 2-M27	INORG	Aluminum	7429-90-5	T	0.555		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 2-M27	INORG	Iron	7439-89-6	T	0.824		0.0522	1	SLERA	0.8
Gregg Branch	GBW 2-M27	INORG	Iron	7439-89-6	T	1.53	J	0.0522	1	SLERA	2
Gregg Branch	GBW 2-M27	INORG	Iron	7439-89-6	D	0.093	J	0.0522	1	SLERA	0.09
Gregg Branch	GBW 2-M27	INORG	Iron	7439-89-6	T	0.633		0.0522	1	SLERA	0.6
Gregg Branch	GBW 2-M27	INORG	Manganese	7439-96-5	T	0.0476		0.00084	1.1	BERA	0.04
Gregg Branch	GBW 2-M27	INORG	Nitrate	14797-55-8	T	0.051	J	0.04	--	SLERA	--
Gregg Branch	GBW 2-M27	INORG	Potassium	7440-09-7	T	1.21		0.0503	--	SLERA	--
Gregg Branch	GBW 3-L27	INORG	Aluminum	7429-90-5	T	0.574		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 3-L27	INORG	Iron	7439-89-6	T	0.683		0.0522	1	SLERA	0.7
Gregg Branch	GBW 3-N24	INORG	Aluminum	7429-90-5	T	1.43	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 3-N24	INORG	Aluminum	7429-90-5	T	0.562		0.0802	1.22	BERA	0.5
Gregg Branch	GBW 3-N24	INORG	Iron	7439-89-6	T	2.32		0.0522	1	SLERA	2
Gregg Branch	GBW 3-N24	INORG	Iron	7439-89-6	D	0.11	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 3-N24	INORG	Iron	7439-89-6	T	0.856		0.0522	1	SLERA	0.9
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	T	1.16		0.0802	1.22	BERA	1

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	T	1.26	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	T	1.48	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	T	0.541		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 3-O25	INORG	Ammonia	7664-41-7	T	0.033	J	0.03	--	SLERA	--
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	T	1.56		0.0522	1	SLERA	2
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	D	0.496		0.0522	1	SLERA	0.5
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	T	5.02	J	0.0522	1	SLERA	5
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	T	5.62	J	0.0522	1	SLERA	6
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	D	0.381		0.0522	1	SLERA	0.4
Gregg Branch	GBW 3-O25	INORG	Iron	7439-89-6	T	2.49		0.0522	1	SLERA	2
Gregg Branch	GBW 3-O25	INORG	Manganese	7439-96-5	T	0.066		0.00084	1.1	BERA	0.06
Gregg Branch	GBW 3-O25	INORG	Potassium	7440-09-7	T	1.34		0.0503	--	SLERA	--
Gregg Branch	GBW 3-O25	INORG	Sulfide	18496-25-8	T	0.62	J	0.53	--	0	--
Gregg Branch	GBW 3-O25	WQ	Sulfate	14808-79-8	T	5.3	J	1.5	WQ	WQ	--
Gregg Branch	GBW 3-Q23	INORG	Aluminum	7429-90-5	T	0.898	J	0.0802	1.22	BERA	0.7
Gregg Branch	GBW 3-Q23	INORG	Aluminum	7429-90-5	T	0.371		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 3-Q23	INORG	Iron	7439-89-6	T	1.12	J	0.0522	1	SLERA	1
Gregg Branch	GBW 3-Q23	INORG	Iron	7439-89-6	T	0.458		0.0522	1	SLERA	0.5
Gregg Branch	GBW 4-N23	INORG	Aluminum	7429-90-5	T	1.08	J	0.0802	1.22	BERA	0.9
Gregg Branch	GBW 4-N23	INORG	Aluminum	7429-90-5	T	0.512		0.0802	1.22	BERA	0.4
Gregg Branch	GBW 4-N23	INORG	Iron	7439-89-6	T	1.75		0.0522	1	SLERA	2
Gregg Branch	GBW 4-N23	INORG	Iron	7439-89-6	D	0.105	J	0.0522	1	SLERA	0.1
Gregg Branch	GBW 4-N23	INORG	Iron	7439-89-6	T	0.827		0.0522	1	SLERA	0.8
Gregg Branch	GBW 4-O23	INORG	Aluminum	7429-90-5	T	1.5	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 4-O23	INORG	Aluminum	7429-90-5	T	0.69		0.0802	1.22	BERA	0.6
Gregg Branch	GBW 4-O23	INORG	Iron	7439-89-6	T	5.9	J	0.0522	1	SLERA	6
Gregg Branch	GBW 4-O23	INORG	Iron	7439-89-6	D	0.441		0.0522	1	SLERA	0.4
Gregg Branch	GBW 4-O23	INORG	Iron	7439-89-6	T	2.54		0.0522	1	SLERA	3
Gregg Branch	GBW 4-R21	INORG	Aluminum	7429-90-5	T	0.872	J	0.0802	1.22	BERA	0.7
Gregg Branch	GBW 4-R21	INORG	Aluminum	7429-90-5	T	0.391		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 4-R21	INORG	Iron	7439-89-6	T	1.08	J	0.0522	1	SLERA	1
Gregg Branch	GBW 4-R21	INORG	Iron	7439-89-6	T	0.435		0.0522	1	SLERA	0.4
Gregg Branch	GBW 5-R20	INORG	Aluminum	7429-90-5	T	1.36	J	0.0802	1.22	BERA	1
Gregg Branch	GBW 5-R20	INORG	Aluminum	7429-90-5	T	0.402		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 5-R20	INORG	Iron	7439-89-6	T	1.72	J	0.0522	1	SLERA	2
Gregg Branch	GBW 5-R20	INORG	Iron	7439-89-6	T	0.433		0.0522	1	SLERA	0.4
Gregg Branch	GBW 6-R20	INORG	Aluminum	7429-90-5	T	0.348		0.0802	1.22	BERA	0.3
Gregg Branch	GBW 6-R20	INORG	Iron	7439-89-6	T	0.502	J	0.0522	1	SLERA	0.5
Gregg Branch	GBW 6-R20	INORG	Iron	7439-89-6	T	0.419		0.0522	1	SLERA	0.4
POND1	POND 1W-O43	INORG	Iron	7439-89-6	T	0.402		0.0522	1	SLERA	0.4
POND1	POND 1W-O43	INORG	Iron	7439-89-6	T	0.819		0.0522	1	SLERA	0.8
POND1	POND 1W-O43	INORG	Manganese	7439-96-5	T	0.11		0.00084	1.1	BERA	0.1

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
POND1	POND 1W-O43	INORG	Potassium	7440-09-7	T	1.07		0.0503	--	SLERA	--
POND1	POND 1W-O43	INORG	Sulfide	18496-25-8	T	0.72	J	0.53	--	0	--
POND1	POND 1W-O43	WQ	Sulfate	14808-79-8	T	4.8	J	1.5	WQ	WQ	--
POND2	POND 2W-P39	INORG	Aluminum	7429-90-5	T	0.0865	J	0.0802	1.22	BERA	0.07
POND2	POND 2W-P39	INORG	Ammonia	7664-41-7	T	0.058	J	0.03	--	SLERA	--
POND2	POND 2W-P39	INORG	Iron	7439-89-6	T	0.679		0.0522	1	SLERA	0.7
POND2	POND 2W-P39	INORG	Iron	7439-89-6	T	0.752		0.0522	1	SLERA	0.8
POND2	POND 2W-P39	INORG	Manganese	7439-96-5	T	0.062		0.00084	1.1	BERA	0.06
POND2	POND 2W-P39	INORG	Potassium	7440-09-7	T	1.4		0.0503	--	SLERA	--
POND2	POND 2W-P39	WQ	Sulfate	14808-79-8	T	3	J	1.5	WQ	WQ	--
POND3	POND 3W-S35	INORG	Aluminum	7429-90-5	T	0.229		0.0802	1.22	BERA	0.2
POND3	POND 3W-S35	INORG	Iron	7439-89-6	T	1.6		0.0522	1	SLERA	2
POND3	POND 3W-S35	INORG	Iron	7439-89-6	T	1.4		0.0522	1	SLERA	1
POND3	POND 3W-S35	INORG	Manganese	7439-96-5	T	0.174		0.00084	1.1	BERA	0.2
POND3	POND 3W-S35	INORG	Potassium	7440-09-7	T	1.55		0.0503	--	SLERA	--
POND3	POND 3W-S35	WQ	Sulfate	14808-79-8	T	6.2	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 1A-M42	INORG	Aluminum	7429-90-5	T	0.212		0.0802	1.22	BERA	0.2
Unnamed Branch	UBW 1A-M42	INORG	Aluminum	7429-90-5	T	0.542	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 1A-M42	INORG	Aluminum	7429-90-5	T	0.469	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 1A-M42	INORG	Ammonia	7664-41-7	T	0.044	J	0.03	--	SLERA	--
Unnamed Branch	UBW 1A-M42	INORG	Iron	7439-89-6	T	0.415		0.0522	1	SLERA	0.4
Unnamed Branch	UBW 1A-M42	INORG	Iron	7439-89-6	T	0.931	J	0.0522	1	SLERA	0.9
Unnamed Branch	UBW 1A-M42	INORG	Iron	7439-89-6	D	0.128	J	0.0522	1	SLERA	0.1
Unnamed Branch	UBW 1A-M42	INORG	Iron	7439-89-6	T	0.722		0.0522	1	SLERA	0.7
Unnamed Branch	UBW 1A-M42	INORG	Manganese	7439-96-5	T	0.0714		0.00084	1.1	BERA	0.06
Unnamed Branch	UBW 1A-M42	INORG	Nitrate	14797-55-8	T	0.18		0.04	--	SLERA	--
Unnamed Branch	UBW 1A-M42	INORG	Potassium	7440-09-7	T	1.54		0.0503	--	SLERA	--
Unnamed Branch	UBW 1A-M42	INORG	Sulfide	18496-25-8	T	0.83	J	0.53	--	0	--
Unnamed Branch	UBW 1A-M42	WQ	Sulfate	14808-79-8	T	4.8	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 1B-L42	INORG	Aluminum	7429-90-5	T	0.81	J	0.0802	1.22	BERA	0.7
Unnamed Branch	UBW 1B-L42	INORG	Aluminum	7429-90-5	D	0.123	J	0.0802	1.22	BERA	0.1
Unnamed Branch	UBW 1B-L42	INORG	Aluminum	7429-90-5	T	0.287	J	0.0802	1.22	BERA	0.2
Unnamed Branch	UBW 1B-L42	INORG	Iron	7439-89-6	T	1.24	J	0.0522	1	SLERA	1
Unnamed Branch	UBW 1B-L42	INORG	Iron	7439-89-6	D	0.218		0.0522	1	SLERA	0.2
Unnamed Branch	UBW 1B-L42	INORG	Iron	7439-89-6	T	0.429		0.0522	1	SLERA	0.4
Unnamed Branch	UBW 1-O44	INORG	Aluminum	7429-90-5	T	0.541		0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 1-O44	INORG	Aluminum	7429-90-5	T	0.575	J	0.0802	1.22	BERA	0.5
Unnamed Branch	UBW 1-O44	INORG	Aluminum	7429-90-5	D	0.105	J	0.0802	1.22	BERA	0.09
Unnamed Branch	UBW 1-O44	INORG	Aluminum	7429-90-5	T	0.317	J	0.0802	1.22	BERA	0.3
Unnamed Branch	UBW 1-O44	INORG	Iron	7439-89-6	T	0.793		0.0522	1	SLERA	0.8
Unnamed Branch	UBW 1-O44	INORG	Iron	7439-89-6	T	1.03		0.0522	1	SLERA	1
Unnamed Branch	UBW 1-O44	INORG	Iron	7439-89-6	D	0.26		0.0522	1	SLERA	0.3

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Unnamed Branch	UBW 1-O44	INORG	Iron	7439-89-6	T	0.482		0.0522	1	SLERA	0.5
Unnamed Branch	UBW 1-O44	INORG	Manganese	7439-96-5	T	0.0646		0.00084	1.1	BERA	0.06
Unnamed Branch	UBW 1-O44	INORG	Nitrate	14797-55-8	T	0.11		0.04	--	SLERA	--
Unnamed Branch	UBW 1-O44	INORG	Potassium	7440-09-7	T	1.8		0.0503	--	SLERA	--
Unnamed Branch	UBW 1-O44	WQ	Sulfate	14808-79-8	T	3.3	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 2A-L40	INORG	Aluminum	7429-90-5	T	0.545	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 2A-L40	INORG	Aluminum	7429-90-5	T	0.325	J	0.0802	1.22	BERA	0.3
Unnamed Branch	UBW 2A-L40	INORG	Iron	7439-89-6	T	0.934		0.0522	1	SLERA	0.9
Unnamed Branch	UBW 2A-L40	INORG	Iron	7439-89-6	T	0.474		0.0522	1	SLERA	0.5
Unnamed Branch	UBW 2A-L40	PEST	Aldrin	309-00-2	T	1.10E-05	J	0.0000038	EqP	EqP	--
Unnamed Branch	UBW 2A-L40	PEST	Aldrin	309-00-2	T	6.40E-06	J	0.0000028	EqP	EqP	--
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	T	0.638		0.0802	1.22	BERA	0.5
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	T	0.966	J	0.0802	1.22	BERA	0.8
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	T	2.26	J	0.0802	1.22	BERA	2
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	T	0.361	J	0.0802	1.22	BERA	0.3
Unnamed Branch	UBW 2-L41	INORG	Ammonia	7664-41-7	T	0.048	J	0.03	--	SLERA	--
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	T	1.01		0.0522	1	SLERA	1
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	T	1.91	J	0.0522	1	SLERA	2
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	D	0.0977	J	0.0522	1	SLERA	0.1
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	T	4.03	J	0.0522	1	SLERA	4
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	D	0.0686	J	0.0522	1	SLERA	0.07
Unnamed Branch	UBW 2-L41	INORG	Iron	7439-89-6	T	0.477		0.0522	1	SLERA	0.5
Unnamed Branch	UBW 2-L41	INORG	Manganese	7439-96-5	T	0.187		0.00084	1.1	BERA	0.2
Unnamed Branch	UBW 2-L41	INORG	Nitrate	14797-55-8	T	0.16		0.04	--	SLERA	--
Unnamed Branch	UBW 2-L41	INORG	Potassium	7440-09-7	T	1.61		0.0503	--	SLERA	--
Unnamed Branch	UBW 2-L41	WQ	Sulfate	14808-79-8	T	4.5	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 3A-J38	INORG	Aluminum	7429-90-5	T	0.636	J	0.0802	1.22	BERA	0.5
Unnamed Branch	UBW 3A-J38	INORG	Aluminum	7429-90-5	T	0.593	J	0.0802	1.22	BERA	0.5
Unnamed Branch	UBW 3A-J38	INORG	Iron	7439-89-6	T	1.22		0.0522	1	SLERA	1
Unnamed Branch	UBW 3A-J38	INORG	Iron	7439-89-6	D	0.0564	J	0.0522	1	SLERA	0.06
Unnamed Branch	UBW 3A-J38	INORG	Iron	7439-89-6	T	1.23		0.0522	1	SLERA	1
Unnamed Branch	UBW 3A-J38	PEST	Aldrin	309-00-2	T	3.90E-05		0.0000038	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	PEST	Aldrin	309-00-2	T	1.30E-05	NJ	0.0000028	EqP	EqP	--
Unnamed Branch	UBW 3-K39	INORG	Aluminum	7429-90-5	T	0.247		0.0802	1.22	BERA	0.2
Unnamed Branch	UBW 3-K39	INORG	Aluminum	7429-90-5	T	0.539	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 3-K39	INORG	Aluminum	7429-90-5	T	0.331	J	0.0802	1.22	BERA	0.3
Unnamed Branch	UBW 3-K39	INORG	Ammonia	7664-41-7	T	0.042	J	0.03	--	SLERA	--
Unnamed Branch	UBW 3-K39	INORG	Iron	7439-89-6	T	0.718		0.0522	1	SLERA	0.7
Unnamed Branch	UBW 3-K39	INORG	Iron	7439-89-6	T	0.935		0.0522	1	SLERA	0.9
Unnamed Branch	UBW 3-K39	INORG	Iron	7439-89-6	T	0.589		0.0522	1	SLERA	0.6
Unnamed Branch	UBW 3-K39	INORG	Manganese	7439-96-5	T	0.284		0.00084	1.1	BERA	0.3
Unnamed Branch	UBW 3-K39	INORG	Nitrate	14797-55-8	T	0.12		0.04	--	SLERA	--

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Unnamed Branch	UBW 3-K39	INORG	Potassium	7440-09-7	T	1.47		0.0503	--	SLERA	--
Unnamed Branch	UBW 3-K39	PEST	Aldrin	309-00-2	T	3.00E-05		0.0000038	EqP	EqP	--
Unnamed Branch	UBW 3-K39	PEST	Aldrin	309-00-2	T	9.30E-06	J	0.0000028	EqP	EqP	--
Unnamed Branch	UBW 3-K39	WQ	Sulfate	14808-79-8	T	6.6	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 4-I37	INORG	Aluminum	7429-90-5	T	0.494		0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 4-I37	INORG	Aluminum	7429-90-5	T	0.7	J	0.0802	1.22	BERA	0.6
Unnamed Branch	UBW 4-I37	INORG	Aluminum	7429-90-5	T	0.463	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 4-I37	INORG	Aluminum	7429-90-5	T	0.481	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 4-I37	INORG	Iron	7439-89-6	T	2.33		0.0522	1	SLERA	2
Unnamed Branch	UBW 4-I37	INORG	Iron	7439-89-6	T	1.47		0.0522	1	SLERA	1
Unnamed Branch	UBW 4-I37	INORG	Iron	7439-89-6	D	0.426		0.0522	1	SLERA	0.4
Unnamed Branch	UBW 4-I37	INORG	Iron	7439-89-6	T	0.969		0.0522	1	SLERA	1
Unnamed Branch	UBW 4-I37	INORG	Iron	7439-89-6	T	0.966		0.0522	1	SLERA	1
Unnamed Branch	UBW 4-I37	INORG	Manganese	7439-96-5	T	1.1		0.0017	1.1	BERA	1
Unnamed Branch	UBW 4-I37	INORG	Nitrate	14797-55-8	T	0.11		0.04	--	SLERA	--
Unnamed Branch	UBW 4-I37	INORG	Potassium	7440-09-7	T	1.58		0.0503	--	SLERA	--
Unnamed Branch	UBW 4-I37	PEST	Aldrin	309-00-2	T	3.70E-05		0.0000038	EqP	EqP	--
Unnamed Branch	UBW 4-I37	PEST	Aldrin	309-00-2	T	1.20E-05	NJ	0.0000028	EqP	EqP	--
Unnamed Branch	UBW 4-I37	PEST	Aldrin	309-00-2	T	9.00E-06	J	0.0000028	EqP	EqP	--
Unnamed Branch	UBW 4-I37	WQ	Sulfate	14808-79-8	T	4.6	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 5A-H37	INORG	Aluminum	7429-90-5	T	1.07	J	0.0802	1.22	BERA	0.9
Unnamed Branch	UBW 5A-H37	INORG	Aluminum	7429-90-5	T	0.54	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 5A-H37	INORG	Iron	7439-89-6	T	2.08	J	0.0522	1	SLERA	2
Unnamed Branch	UBW 5A-H37	INORG	Iron	7439-89-6	T	0.711		0.0522	1	SLERA	0.7
Unnamed Branch	UBW 5B-G37	INORG	Aluminum	7429-90-5	T	1.18	J	0.0802	1.22	BERA	1
Unnamed Branch	UBW 5B-G37	INORG	Aluminum	7429-90-5	T	1.57		0.0802	1.22	BERA	1
Unnamed Branch	UBW 5B-G37	INORG	Iron	7439-89-6	T	2.56		0.0522	1	SLERA	3
Unnamed Branch	UBW 5B-G37	INORG	Iron	7439-89-6	D	0.0618	J	0.0522	1	SLERA	0.06
Unnamed Branch	UBW 5B-G37	INORG	Iron	7439-89-6	T	2.07		0.0522	1	SLERA	2
Unnamed Branch	UBW 5C-G37	INORG	Aluminum	7429-90-5	D	0.129	J	0.0802	1.22	BERA	0.1
Unnamed Branch	UBW 5C-G37	INORG	Aluminum	7429-90-5	T	11.9	J	0.0802	1.22	BERA	10
Unnamed Branch	UBW 5C-G37	INORG	Aluminum	7429-90-5	T	4.66		0.0802	1.22	BERA	4
Unnamed Branch	UBW 5C-G37	INORG	Iron	7439-89-6	D	0.659		0.0522	1	SLERA	0.7
Unnamed Branch	UBW 5C-G37	INORG	Iron	7439-89-6	T	32.8	J	0.0522	1	SLERA	30
Unnamed Branch	UBW 5C-G37	INORG	Iron	7439-89-6	T	7.71		0.0522	1	SLERA	8
Unnamed Branch	UBW 5D-F37	INORG	Aluminum	7429-90-5	T	2.34	J	0.0802	1.22	BERA	2
Unnamed Branch	UBW 5D-F37	INORG	Aluminum	7429-90-5	T	2.05		0.0802	1.22	BERA	2
Unnamed Branch	UBW 5D-F37	INORG	Iron	7439-89-6	T	4.33		0.0522	1	SLERA	4
Unnamed Branch	UBW 5D-F37	INORG	Iron	7439-89-6	D	0.0765	J	0.0522	1	SLERA	0.08
Unnamed Branch	UBW 5D-F37	INORG	Iron	7439-89-6	T	2.98		0.0522	1	SLERA	3
Unnamed Branch	UBW 5-I37	INORG	Aluminum	7429-90-5	T	1.43		0.0802	1.22	BERA	1
Unnamed Branch	UBW 5-I37	INORG	Aluminum	7429-90-5	T	0.93	J	0.0802	1.22	BERA	0.8

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
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Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Unnamed Branch	UBW 5-I37	INORG	Aluminum	7429-90-5	D	0.138	J	0.0802	1.22	BERA	0.1
Unnamed Branch	UBW 5-I37	INORG	Aluminum	7429-90-5	T	0.436	J	0.0802	1.22	BERA	0.4
Unnamed Branch	UBW 5-I37	INORG	Iron	7439-89-6	T	2.35		0.0522	1	SLERA	2
Unnamed Branch	UBW 5-I37	INORG	Iron	7439-89-6	T	1.5		0.0522	1	SLERA	2
Unnamed Branch	UBW 5-I37	INORG	Iron	7439-89-6	D	0.336		0.0522	1	SLERA	0.3
Unnamed Branch	UBW 5-I37	INORG	Iron	7439-89-6	T	0.519		0.0522	1	SLERA	0.5
Unnamed Branch	UBW 5-I37	INORG	Manganese	7439-96-5	T	0.123		0.00084	1.1	BERA	0.1
Unnamed Branch	UBW 5-I37	INORG	Nitrate	14797-55-8	T	0.17		0.04	--	SLERA	--
Unnamed Branch	UBW 5-I37	INORG	Potassium	7440-09-7	T	1.26		0.0503	--	SLERA	--
Unnamed Branch	UBW 5-I37	WQ	Sulfate	14808-79-8	T	3.6	J	1.5	WQ	WQ	--
Unnamed Branch	UBW 6A-I36	INORG	Aluminum	7429-90-5	T	2.13	J	0.0802	1.22	BERA	2
Unnamed Branch	UBW 6A-I36	INORG	Aluminum	7429-90-5	T	1.14		0.0802	1.22	BERA	0.9
Unnamed Branch	UBW 6A-I36	INORG	Iron	7439-89-6	T	4.42		0.0522	1	SLERA	4
Unnamed Branch	UBW 6A-I36	INORG	Iron	7439-89-6	D	0.106	J	0.0522	1	SLERA	0.1
Unnamed Branch	UBW 6A-I36	INORG	Iron	7439-89-6	T	0.787		0.0522	1	SLERA	0.8
Unnamed Branch	UBW 6B-H36	INORG	Aluminum	7429-90-5	T	2.18	J	0.0802	1.22	BERA	2
Unnamed Branch	UBW 6B-H36	INORG	Aluminum	7429-90-5	D	0.204		0.0802	1.22	BERA	0.2
Unnamed Branch	UBW 6B-H36	INORG	Aluminum	7429-90-5	T	1.09		0.0802	1.22	BERA	0.9
Unnamed Branch	UBW 6B-H36	INORG	Iron	7439-89-6	T	1.93		0.0522	1	SLERA	2
Unnamed Branch	UBW 6B-H36	INORG	Iron	7439-89-6	D	0.219		0.0522	1	SLERA	0.2
Unnamed Branch	UBW 6B-H36	INORG	Iron	7439-89-6	T	0.786		0.0522	1	SLERA	0.8
Unnamed Branch	UBW 6C-H35	INORG	Aluminum	7429-90-5	T	1.92	J	0.0802	1.22	BERA	2
Unnamed Branch	UBW 6C-H35	INORG	Aluminum	7429-90-5	T	1.94		0.0802	1.22	BERA	2
Unnamed Branch	UBW 6C-H35	INORG	Iron	7439-89-6	T	2.14		0.0522	1	SLERA	2
Unnamed Branch	UBW 6C-H35	INORG	Iron	7439-89-6	D	0.258		0.0522	1	SLERA	0.3
Unnamed Branch	UBW 6C-H35	INORG	Iron	7439-89-6	T	2.24		0.0522	1	SLERA	2
Unnamed Branch	UBW 6-I37	INORG	Aluminum	7429-90-5	T	0.81		0.0802	1.22	BERA	0.7
Unnamed Branch	UBW 6-I37	INORG	Aluminum	7429-90-5	T	1.13	J	0.0802	1.22	BERA	0.9
Unnamed Branch	UBW 6-I37	INORG	Aluminum	7429-90-5	T	0.95	J	0.0802	1.22	BERA	0.8
Unnamed Branch	UBW 6-I37	INORG	Iron	7439-89-6	T	2.43		0.0522	1	SLERA	2
Unnamed Branch	UBW 6-I37	INORG	Iron	7439-89-6	T	1.55		0.0522	1	SLERA	2
Unnamed Branch	UBW 6-I37	INORG	Iron	7439-89-6	D	0.226		0.0522	1	SLERA	0.2
Unnamed Branch	UBW 6-I37	INORG	Iron	7439-89-6	T	0.953		0.0522	1	SLERA	1
Unnamed Branch	UBW 6-I37	INORG	Manganese	7439-96-5	T	0.735		0.00084	1.1	BERA	0.7
Unnamed Branch	UBW 6-I37	INORG	Nitrate	14797-55-8	T	0.17		0.04	--	SLERA	--
Unnamed Branch	UBW 6-I37	INORG	Potassium	7440-09-7	T	1.58		0.0503	--	SLERA	--
Unnamed Branch	UBW 6-I37	PEST	Aldrin	309-00-2	T	6.80E-06	J	0.000004	EqP	EqP	--
Unnamed Branch	UBW 6-I37	WQ	Sulfate	14808-79-8	T	3.9	J	1.5	WQ	WQ	--

M6-3a: Location-Specific Surface Water HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	HQ

--	No criterion or not applicable (for source and HQ).
BERA	Baseline ecological risk assessment.
EqP	Constituent addressed via equilbrium partitioning.
HQ	Hazard quotient.
J	Estimated Value.
mg/L	Milligram per liter.
SLERA	Screening level ecological risk assessment.
SQL	Sample quantitation level.
T/D	Total/Dissolved.
U	Not detected.
U*	Not detected, duplicate analysiss not within control limits.
UJ	Non-detect, estimated quantitation limit.
WQ	Water quality parameter. Not for risk assessment.

0.1	HQ is "-" or 0.
1	HQ is between 0 and 1.
2	HQ is between 2 and 10.
40	HQ is between 10 and 100.
200	HQ is over 100.

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Back Valley	A	MW165-O28A	INORG	Aluminum	7429-90-5	0.172	J	0.0802	1.22	median	0.1
Back Valley	A	MW166-T32A	INORG	Aluminum	7429-90-5	0.227		0.0802	1.22	median	0.2
Back Valley	AB	MW190-N24AB	INORG	Aluminum	7429-90-5	0.239		0.0802	1.22	median	0.2
Back Valley	AB	MW205-M27AB	INORG	Aluminum	7429-90-5	0.0836	J	0.0802	1.22	median	0.07
Back Valley	AB	MW208-L26AB	INORG	Aluminum	7429-90-5	0.347		0.0802	1.22	median	0.3
Back Valley	AB	MW223-L26AB	INORG	Aluminum	7429-90-5	2.48		0.0834	1.22	median	2
Back Valley	AB	MW233-O20AB	INORG	Aluminum	7429-90-5	10.3		0.0801	1.22	median	8
Back Valley	B	MW168-O28B	INORG	Aluminum	7429-90-5	0.325	J	0.0802	1.22	median	0.3
Back Valley	B	SW-13	INORG	Aluminum	7429-90-5	1.58	J	0.0802	1.22	median	1
Back Valley	E	BW-14	INORG	Aluminum	7429-90-5	0.426	J	0.0802	1.22	median	0.3
Front Valley	A	M85L-4	INORG	Aluminum	7429-90-5	6.68		0.0802	1.22	median	5
Front Valley	A	MW156-P44A	INORG	Aluminum	7429-90-5	0.155	J	0.0802	1.22	median	0.1
Front Valley	A	MW162-T31A	INORG	Aluminum	7429-90-5	0.163	J	0.0802	1.22	median	0.1
Front Valley	A	MW167-O44A	INORG	Aluminum	7429-90-5	0.133	J	0.0802	1.22	median	0.1
Front Valley	A	SW-151-1	INORG	Aluminum	7429-90-5	0.225		0.0802	1.22	median	0.2
Front Valley	A	SW-151-2	INORG	Aluminum	7429-90-5	0.104	J	0.0802	1.22	median	0.09
Front Valley	A	SW-152-3	INORG	Aluminum	7429-90-5	0.363	J	0.0802	1.22	median	0.3
Front Valley	AB	MW181-I37AB	INORG	Aluminum	7429-90-5	0.108	J	0.0802	1.22	median	0.09
Front Valley	AB	MW182-K39AB	INORG	Aluminum	7429-90-5	1.34		0.0802	1.22	median	1
Front Valley	AB	MW216-G37AB	INORG	Aluminum	7429-90-5	1.49		0.0834	1.22	median	1
Front Valley	B	M85L-11	INORG	Aluminum	7429-90-5	2.32	J	0.0802	1.22	median	2
Front Valley	C	MW155-P43C	INORG	Aluminum	7429-90-5	0.726		0.0802	1.22	median	0.6
Front Valley	CD	MW183-O39CD	INORG	Aluminum	7429-90-5	0.101	J	0.0802	1.22	median	0.08
Front Valley	CD	MW192-P41CD	INORG	Aluminum	7429-90-5	0.0845	J	0.0802	1.22	median	0.07
Front Valley	CD	MW193-Q40CD	INORG	Aluminum	7429-90-5	0.302		0.0802	1.22	median	0.2
Front Valley	CD	MW235-P39CD	INORG	Aluminum	7429-90-5	0.18	J	0.0801	1.22	median	0.1
Back Valley	AB	MW190-N24AB	INORG	Ammonia	7664-41-7	0.059	J	0.05	--	--	--
Back Valley	AB	MW233-O20AB	INORG	Ammonia	7664-41-7	0.13	J	0.05	--	--	--
Back Valley	B	MW168-O28B	INORG	Ammonia	7664-41-7	0.034	J	0.03	--	--	--
Front Valley	A	MW156-P44A	INORG	Ammonia	7664-41-7	3.2		0.03	--	--	--
Front Valley	A	MW158-N44A	INORG	Ammonia	7664-41-7	0.47		0.03	--	--	--
Front Valley	A	MW-1S	INORG	Ammonia	7664-41-7	0.77		0.03	--	--	--
Front Valley	AB	MW181-I37AB	INORG	Ammonia	7664-41-7	0.053	J	0.05	--	--	--
Front Valley	AB	MW182-K39AB	INORG	Ammonia	7664-41-7	2.6		0.05	--	--	--
Front Valley	AB	MW216-G37AB	INORG	Ammonia	7664-41-7	0.06	J	0.05	--	--	--
Front Valley	CD	MW192-P41CD	INORG	Ammonia	7664-41-7	0.22		0.05	--	--	--
Back Valley	A	MW165-O28A	INORG	Barium	7440-39-3	0.0111		0.0006	0.22	SLERA	0.05
Back Valley	A	MW166-T32A	INORG	Barium	7440-39-3	0.0225		0.0006	0.22	SLERA	0.1
Back Valley	AB	MW190-N24AB	INORG	Barium	7440-39-3	0.0123		0.0006	0.22	SLERA	0.06
Back Valley	AB	MW205-M27AB	INORG	Barium	7440-39-3	0.0313		0.0006	0.22	SLERA	0.1
Back Valley	AB	MW208-L26AB	INORG	Barium	7440-39-3	0.026		0.0006	0.22	SLERA	0.1
Back Valley	AB	MW223-L26AB	INORG	Barium	7440-39-3	0.0968		0.0006	0.22	SLERA	0.4
Back Valley	AB	MW233-O20AB	INORG	Barium	7440-39-3	0.117		0.00026	0.22	SLERA	0.5
Back Valley	B	MW168-O28B	INORG	Barium	7440-39-3	0.0326		0.0006	0.22	SLERA	0.1
Back Valley	B	SW-13	INORG	Barium	7440-39-3	0.0279		0.0006	0.22	SLERA	0.1
Back Valley	E	BW-14	INORG	Barium	7440-39-3	0.031		0.0006	0.22	SLERA	0.1
Front Valley	A	M85L-4	INORG	Barium	7440-39-3	0.0533		0.0006	0.22	SLERA	0.2
Front Valley	A	MW156-P44A	INORG	Barium	7440-39-3	0.249		0.0006	0.22	SLERA	1
Front Valley	A	MW158-N44A	INORG	Barium	7440-39-3	0.0713		0.0006	0.22	SLERA	0.3
Front Valley	A	MW162-T31A	INORG	Barium	7440-39-3	0.0133		0.0006	0.22	SLERA	0.06

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Front Valley	A	MW167-O44A	INORG	Barium	7440-39-3	0.0229		0.0006	0.22	SLERA	0.1
Front Valley	A	MW-1S	INORG	Barium	7440-39-3	0.0291		0.0006	0.22	SLERA	0.1
Front Valley	A	SW-151-1	INORG	Barium	7440-39-3	0.0266		0.0006	0.22	SLERA	0.1
Front Valley	A	SW-151-2	INORG	Barium	7440-39-3	0.279		0.0006	0.22	SLERA	1
Front Valley	A	SW-152-3	INORG	Barium	7440-39-3	0.037		0.0006	0.22	SLERA	0.2
Front Valley	AB	MW181-I37AB	INORG	Barium	7440-39-3	0.0442		0.0006	0.22	SLERA	0.2
Front Valley	AB	MW182-K39AB	INORG	Barium	7440-39-3	0.0968		0.0006	0.22	SLERA	0.4
Front Valley	AB	MW216-G37AB	INORG	Barium	7440-39-3	0.0197		0.0006	0.22	SLERA	0.09
Front Valley	B	DW-152-3	INORG	Barium	7440-39-3	0.0107		0.0006	0.22	SLERA	0.05
Front Valley	B	M85L-11	INORG	Barium	7440-39-3	0.104		0.0006	0.22	SLERA	0.5
Front Valley	C	MW155-P43C	INORG	Barium	7440-39-3	0.0163		0.0006	0.22	SLERA	0.07
Front Valley	CD	MW183-O39CD	INORG	Barium	7440-39-3	0.0348		0.0006	0.22	SLERA	0.2
Front Valley	CD	MW192-P41CD	INORG	Barium	7440-39-3	0.0258		0.0006	0.22	SLERA	0.1
Front Valley	CD	MW193-Q40CD	INORG	Barium	7440-39-3	0.0236		0.0006	0.22	SLERA	0.1
Front Valley	CD	MW235-P39CD	INORG	Barium	7440-39-3	0.0378		0.00026	0.22	SLERA	0.2
Front Valley	D	MW-149-1	INORG	Barium	7440-39-3	0.0489		0.0006	0.22	SLERA	0.2
Back Valley	AB	MW233-O20AB	INORG	Cadmium	7440-43-9	0.0019	J	0.00027	0.0017	LCV Fish	1
Back Valley	AB	MW208-L26AB	INORG	Chromium	7440-47-3	0.0183		0.0034	0.05	SLERA	0.4
Back Valley	AB	MW208-L26AB	INORG	Chromium	7440-47-3	0.0389		0.0011	0.05	SLERA	0.8
Back Valley	AB	MW208-L26AB	INORG	Chromium	7440-47-3	0.0058		0.005	0.05	SLERA	0.1
Back Valley	AB	MW208-L26AB	INORG	Chromium	7440-47-3	0.0235		0.005	0.05	SLERA	0.5
Back Valley	AB	MW233-O20AB	INORG	Chromium	7440-47-3	0.013	J	0.0011	0.05	SLERA	0.3
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0134	J	0.0023	0.05	SLERA	0.3
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0067		0.005	0.05	SLERA	0.1
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0074		0.005	0.05	SLERA	0.1
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0628		0.0034	0.05	SLERA	1
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0118	J	0.0034	0.05	SLERA	0.2
Back Valley	B	SW-13	INORG	Chromium	7440-47-3	0.0026	J	0.0011	0.05	SLERA	0.05
Back Valley	E	BW-14	INORG	Chromium	7440-47-3	0.0023	J	0.0023	0.05	SLERA	0.05
Front Valley	A	M85L-4	INORG	Chromium	7440-47-3	0.0065	J	0.0023	0.05	SLERA	0.1
Front Valley	A	MW-1S	INORG	Chromium	7440-47-3	0.123		0.005	0.05	SLERA	2
Front Valley	A	MW-1S	INORG	Chromium	7440-47-3	0.0132	J	0.0034	0.05	SLERA	0.3
Front Valley	A	MW-1S	INORG	Chromium	7440-47-3	0.0086	J	0.0034	0.05	SLERA	0.2
Front Valley	AB	MW182-K39AB	INORG	Chromium	7440-47-3	0.0063	J	0.0034	0.05	SLERA	0.1
Front Valley	B	M85L-11	INORG	Chromium	7440-47-3	0.0026	J	0.0023	0.05	SLERA	0.05
Back Valley	AB	MW223-L26AB	INORG	Cobalt	7440-48-4	0.0094		0.0023	0.024	LCV Daph	0.4
Back Valley	AB	MW233-O20AB	INORG	Cobalt	7440-48-4	0.0078		0.00062	0.024	LCV Daph	0.3
Front Valley	A	M85L-4	INORG	Cobalt	7440-48-4	0.0119		0.0021	0.024	LCV Daph	0.5
Front Valley	A	MW156-P44A	INORG	Cobalt	7440-48-4	0.0103		0.0021	0.024	LCV Daph	0.4
Front Valley	A	MW158-N44A	INORG	Cobalt	7440-48-4	0.0092		0.0021	0.024	LCV Daph	0.4
Front Valley	A	SW-151-2	INORG	Cobalt	7440-48-4	0.0102		0.0021	0.024	LCV Daph	0.4
Front Valley	AB	MW181-I37AB	INORG	Cobalt	7440-48-4	0.0084		0.0021	0.024	LCV Daph	0.4
Front Valley	AB	MW182-K39AB	INORG	Cobalt	7440-48-4	0.0162		0.0021	0.024	LCV Daph	0.7
Front Valley	D	MW-149-1	INORG	Cobalt	7440-48-4	0.0251		0.0021	0.024	LCV Daph	1
Back Valley	AB	MW208-L26AB	INORG	Copper	7440-50-8	0.0295		0.0027	0.009	median	3
Back Valley	AB	MW208-L26AB	INORG	Copper	7440-50-8	0.053		0.00094	0.009	median	6
Back Valley	AB	MW208-L26AB	INORG	Copper	7440-50-8	0.0259		0.005	0.009	median	3
Back Valley	AB	MW223-L26AB	INORG	Copper	7440-50-8	0.007	J	0.0027	0.009	median	0.8
Back Valley	AB	MW233-O20AB	INORG	Copper	7440-50-8	0.0221		0.00094	0.009	median	2
Back Valley	B	SW-13	INORG	Copper	7440-50-8	0.0035	J	0.0022	0.009	median	0.4

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Back Valley	B	SW-13	INORG	Copper	7440-50-8	0.0079		0.005	0.009	median	0.9
Back Valley	B	SW-13	INORG	Copper	7440-50-8	0.0635		0.0027	0.009	median	7
Back Valley	B	SW-13	INORG	Copper	7440-50-8	0.0042	J	0.0027	0.009	median	0.5
Back Valley	B	SW-13	INORG	Copper	7440-50-8	0.0045	J	0.00094	0.009	median	0.5
Front Valley	A	M85L-4	INORG	Copper	7440-50-8	0.0171		0.0022	0.009	median	2
Front Valley	A	MW-1S	INORG	Copper	7440-50-8	0.0761		0.005	0.009	median	8
Front Valley	A	MW-1S	INORG	Copper	7440-50-8	0.0048	J	0.0027	0.009	median	0.5
Front Valley	A	MW-1S	INORG	Copper	7440-50-8	0.0028	J	0.0027	0.009	median	0.3
Front Valley	CD	MW235-P39CD	INORG	Copper	7440-50-8	0.0072	J	0.00094	0.009	median	0.8
Back Valley	A	MW165-O28A	INORG	Iron	7439-89-6	0.326		0.0522	1	LCV Daph	0.3
Back Valley	A	MW166-T32A	INORG	Iron	7439-89-6	4.39		0.0522	1	LCV Daph	4
Back Valley	AB	MW208-L26AB	INORG	Iron	7439-89-6	0.444		0.0522	1	LCV Daph	0.4
Back Valley	B	MW168-O28B	INORG	Iron	7439-89-6	0.467		0.0522	1	LCV Daph	0.5
Back Valley	B	SW-13	INORG	Iron	7439-89-6	1.89		0.0522	1	LCV Daph	2
Back Valley	E	BW-14	INORG	Iron	7439-89-6	8		0.0522	1	LCV Daph	8
Front Valley	A	M85L-4	INORG	Iron	7439-89-6	10.8		0.0522	1	LCV Daph	10
Front Valley	A	MW156-P44A	INORG	Iron	7439-89-6	66.1	J	0.261	1	LCV Daph	70
Front Valley	A	MW158-N44A	INORG	Iron	7439-89-6	25.8	J	0.0522	1	LCV Daph	30
Front Valley	A	MW162-T31A	INORG	Iron	7439-89-6	0.187	J	0.0522	1	LCV Daph	0.2
Front Valley	A	MW167-O44A	INORG	Iron	7439-89-6	0.259	J	0.0522	1	LCV Daph	0.3
Front Valley	A	MW-1S	INORG	Iron	7439-89-6	7.01		0.0522	1	LCV Daph	7
Front Valley	A	SW-151-1	INORG	Iron	7439-89-6	0.259		0.0522	1	LCV Daph	0.3
Front Valley	A	SW-151-2	INORG	Iron	7439-89-6	6.08		0.0522	1	LCV Daph	6
Front Valley	A	SW-152-3	INORG	Iron	7439-89-6	1.75	J	0.0522	1	LCV Daph	2
Front Valley	B	DW-152-3	INORG	Iron	7439-89-6	0.0745	J	0.0522	1	LCV Daph	0.07
Front Valley	B	M85L-11	INORG	Iron	7439-89-6	3.07	J	0.0522	1	LCV Daph	3
Front Valley	C	MW155-P43C	INORG	Iron	7439-89-6	0.871	J	0.0522	1	LCV Daph	0.9
Back Valley	AB	MW208-L26AB	INORG	Lead	7439-92-1	0.0102		0.000052	0.022	EC20 Fish	0.5
Back Valley	AB	MW208-L26AB	INORG	Lead	7439-92-1	0.0173		0.00008	0.022	EC20 Fish	0.8
Back Valley	AB	MW208-L26AB	INORG	Lead	7439-92-1	0.0053		0.005	0.022	EC20 Fish	0.2
Back Valley	B	SW-13	INORG	Lead	7439-92-1	0.0195		0.005	0.022	EC20 Fish	0.9
Back Valley	B	SW-13	INORG	Lead	7439-92-1	0.0355		0.00005	0.022	EC20 Fish	2
Back Valley	B	SW-13	INORG	Lead	7439-92-1	0.0027		0.000052	0.022	EC20 Fish	0.1
Back Valley	B	SW-13	INORG	Lead	7439-92-1	0.0031		0.00008	0.022	EC20 Fish	0.1
Front Valley	A	MW-1S	INORG	Lead	7439-92-1	0.14		0.005	0.022	EC20 Fish	6
Front Valley	A	MW-1S	INORG	Lead	7439-92-1	0.0024		0.00005	0.022	EC20 Fish	0.1
Front Valley	A	MW-1S	INORG	Lead	7439-92-1	0.0017		0.000052	0.022	EC20 Fish	0.08
Front Valley	CD	MW235-P39CD	INORG	Lead	7439-92-1	0.0035	J	0.0022	0.022	EC20 Fish	0.2
Back Valley	A	MW165-O28A	INORG	Nitrate	14797-55-8	0.19		0.04	--	--	--
Back Valley	A	MW165-O28A	INORG	Nitrate	14797-55-8	0.39		0.04	--	--	--
Back Valley	AB	MW190-N24AB	INORG	Nitrate	14797-55-8	1.5		0.04	--	--	--
Back Valley	AB	MW205-M27AB	INORG	Nitrate	14797-55-8	1.4		0.04	--	--	--
Back Valley	AB	MW208-L26AB	INORG	Nitrate	14797-55-8	0.2		0.04	--	--	--
Back Valley	B	MW168-O28B	INORG	Nitrate	14797-55-8	0.35		0.04	--	--	--
Back Valley	B	MW168-O28B	INORG	Nitrate	14797-55-8	0.19		0.04	--	--	--
Back Valley	B	SW-13	INORG	Nitrate	14797-55-8	0.18		0.04	--	--	--
Front Valley	A	M85L-4	INORG	Nitrate	14797-55-8	1.6	J	0.04	--	--	--
Front Valley	A	MW162-T31A	INORG	Nitrate	14797-55-8	0.39		0.04	--	--	--
Front Valley	A	MW162-T31A	INORG	Nitrate	14797-55-8	0.19		0.04	--	--	--
Front Valley	A	MW167-O44A	INORG	Nitrate	14797-55-8	0.12		0.04	--	--	--

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Front Valley	A	SW-151-1	INORG	Nitrate	14797-55-8	0.23		0.04	--	--	--
Front Valley	A	SW-151-1	INORG	Nitrate	14797-55-8	0.25		0.04	--	--	--
Front Valley	A	SW-151-2	INORG	Nitrate	14797-55-8	0.83		0.04	--	--	--
Front Valley	AB	MW181-I37AB	INORG	Nitrate	14797-55-8	0.16		0.04	--	--	--
Front Valley	C	MW155-P43C	INORG	Nitrate	14797-55-8	0.066	J	0.04	--	--	--
Front Valley	C	MW155-P43C	INORG	Nitrate	14797-55-8	0.058	J	0.04	--	--	--
Front Valley	CD	MW183-O39CD	INORG	Nitrate	14797-55-8	0.48		0.04	--	--	--
Front Valley	CD	MW235-P39CD	INORG	Nitrate	14797-55-8	0.76		0.25	--	--	--
Front Valley	D	MW-149-1	INORG	Nitrate	14797-55-8	2.5		0.04	--	--	--
Front Valley	D	MW-149-1	INORG	Nitrate	14797-55-8	2.9		0.04	--	--	--
Front Valley	A	MW156-P44A	INORG	Nitrite	14797-65-0	0.049	J	0.015	--	--	--
Front Valley	A	MW156-P44A	INORG	Nitrite	14797-65-0	0.059		0.015	--	--	--
Front Valley	A	MW158-N44A	INORG	Nitrite	14797-65-0	0.047	J	0.015	--	--	--
Front Valley	A	MW158-N44A	INORG	Nitrite	14797-65-0	0.033	J	0.015	--	--	--
Front Valley	AB	MW182-K39AB	INORG	Nitrite	14797-65-0	0.046	J	0.015	--	--	--
Back Valley	A	MW165-O28A	INORG	Potassium	7440-09-7	0.606		0.0503	--	--	--
Back Valley	A	MW166-T32A	INORG	Potassium	7440-09-7	1.4		0.0503	--	--	--
Back Valley	AB	MW208-L26AB	INORG	Potassium	7440-09-7	1.7		0.0503	--	--	--
Back Valley	B	MW168-O28B	INORG	Potassium	7440-09-7	1.95		0.0503	--	--	--
Back Valley	B	SW-13	INORG	Potassium	7440-09-7	1.16		0.0503	--	--	--
Back Valley	E	BW-14	INORG	Potassium	7440-09-7	3.18		0.0503	--	--	--
Front Valley	A	M85L-4	INORG	Potassium	7440-09-7	2.64		0.0503	--	--	--
Front Valley	A	MW156-P44A	INORG	Potassium	7440-09-7	2.71		0.0503	--	--	--
Front Valley	A	MW158-N44A	INORG	Potassium	7440-09-7	2.38		0.0503	--	--	--
Front Valley	A	MW162-T31A	INORG	Potassium	7440-09-7	1.81		0.0503	--	--	--
Front Valley	A	MW167-O44A	INORG	Potassium	7440-09-7	0.684		0.0503	--	--	--
Front Valley	A	MW-1S	INORG	Potassium	7440-09-7	3.13		0.0503	--	--	--
Front Valley	A	SW-151-1	INORG	Potassium	7440-09-7	1.09		0.0503	--	--	--
Front Valley	A	SW-151-2	INORG	Potassium	7440-09-7	2.11		0.0503	--	--	--
Front Valley	A	SW-152-3	INORG	Potassium	7440-09-7	2.29		0.0503	--	--	--
Front Valley	B	DW-152-3	INORG	Potassium	7440-09-7	1.63		0.0503	--	--	--
Front Valley	B	M85L-11	INORG	Potassium	7440-09-7	2.29	J	0.0503	--	--	--
Front Valley	C	MW155-P43C	INORG	Potassium	7440-09-7	2.36		0.0503	--	--	--
Front Valley	D	MW-149-1	INORG	Potassium	7440-09-7	1.75		0.0503	--	--	--
Front Valley	A	MW156-P44A	INORG	Silver	7440-22-4	0.0023	J	0.0016	0.00032	EC20 Bass Pop	7
Front Valley	A	MW156-P44A	INORG	Sulfide	18496-25-8	1.6	J	0.53	--	--	--
Front Valley	A	MW158-N44A	INORG	Sulfide	18496-25-8	1	J	0.53	--	--	--
Front Valley	A	MW167-O44A	INORG	Sulfide	18496-25-8	3.8		0.53	--	--	--
Back Valley	A	MW165-O28A	INORG	Zinc	7440-66-6	0.0569		0.0081	0.12	LCV Daph	0.5
Back Valley	A	MW166-T32A	INORG	Zinc	7440-66-6	0.0301		0.0081	0.12	LCV Daph	0.3
Back Valley	AB	MW208-L26AB	INORG	Zinc	7440-66-6	0.0285		0.0081	0.12	LCV Daph	0.2
Back Valley	AB	MW208-L26AB	INORG	Zinc	7440-66-6	0.0733		0.0032	0.12	LCV Daph	0.6
Back Valley	AB	MW208-L26AB	INORG	Zinc	7440-66-6	0.0118		0.01	0.12	LCV Daph	0.1
Back Valley	AB	MW208-L26AB	INORG	Zinc	7440-66-6	0.0165	J	0.0081	0.12	LCV Daph	0.1
Back Valley	AB	MW208-L26AB	INORG	Zinc	7440-66-6	0.0274		0.01	0.12	LCV Daph	0.2
Back Valley	AB	MW233-O20AB	INORG	Zinc	7440-66-6	0.0276		0.0032	0.12	LCV Daph	0.2
Back Valley	B	MW168-O28B	INORG	Zinc	7440-66-6	0.0472		0.0081	0.12	LCV Daph	0.4
Back Valley	B	SW-13	INORG	Zinc	7440-66-6	0.0236		0.0081	0.12	LCV Daph	0.2
Back Valley	B	SW-13	INORG	Zinc	7440-66-6	0.0491		0.0081	0.12	LCV Daph	0.4
Back Valley	B	SW-13	INORG	Zinc	7440-66-6	0.0059	J	0.0032	0.12	LCV Daph	0.05

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Back Valley	E	BW-14	INORG	Zinc	7440-66-6	0.0168	J	0.0081	0.12	LCV Daph	0.1
Front Valley	A	M85L-4	INORG	Zinc	7440-66-6	0.0233		0.0081	0.12	LCV Daph	0.2
Front Valley	A	MW162-T31A	INORG	Zinc	7440-66-6	0.0248		0.0081	0.12	LCV Daph	0.2
Front Valley	A	MW167-O44A	INORG	Zinc	7440-66-6	0.0168	J	0.0081	0.12	LCV Daph	0.1
Front Valley	A	MW-1S	INORG	Zinc	7440-66-6	0.806		0.01	0.12	LCV Daph	7
Front Valley	A	MW-1S	INORG	Zinc	7440-66-6	0.0397		0.0081	0.12	LCV Daph	0.3
Front Valley	A	MW-1S	INORG	Zinc	7440-66-6	0.0265		0.0081	0.12	LCV Daph	0.2
Front Valley	A	MW-1S	INORG	Zinc	7440-66-6	0.0048	J	0.0032	0.12	LCV Daph	0.04
Front Valley	A	SW-151-1	INORG	Zinc	7440-66-6	0.0093	J	0.0081	0.12	LCV Daph	0.08
Front Valley	A	SW-151-2	INORG	Zinc	7440-66-6	0.137		0.0081	0.12	LCV Daph	1
Front Valley	B	M85L-11	INORG	Zinc	7440-66-6	0.0446		0.0081	0.12	LCV Daph	0.4
Front Valley	C	MW155-P43C	INORG	Zinc	7440-66-6	0.0184	J	0.0081	0.12	LCV Daph	0.2
Front Valley	CD	MW235-P39CD	INORG	Zinc	7440-66-6	0.0047	J	0.0032	0.12	LCV Daph	0.04
Front Valley	D	MW-149-1	INORG	Zinc	7440-66-6	0.0174	J	0.0081	0.12	LCV Daph	0.1
Back Valley	A	MW165-O28A	INORG	Manganese	7439-96-5	0.0085		0.00084	1.1	EC20 Daph	0.008
Back Valley	A	MW166-T32A	INORG	Manganese	7439-96-5	0.306		0.00084	1.1	EC20 Daph	0.3
Back Valley	AB	MW190-N24AB	INORG	Manganese	7439-96-5	0.168		0.00084	1.1	EC20 Daph	0.2
Back Valley	AB	MW205-M27AB	INORG	Manganese	7439-96-5	0.137		0.00084	1.1	EC20 Daph	0.1
Back Valley	AB	MW208-L26AB	INORG	Manganese	7439-96-5	0.0228		0.00084	1.1	EC20 Daph	0.02
Back Valley	AB	MW223-L26AB	INORG	Manganese	7439-96-5	1.65		0.0042	1.1	EC20 Daph	2
Back Valley	AB	MW233-O20AB	INORG	Manganese	7439-96-5	0.31		0.00044	1.1	EC20 Daph	0.3
Back Valley	B	MW168-O28B	INORG	Manganese	7439-96-5	0.0317		0.00084	1.1	EC20 Daph	0.03
Back Valley	B	SW-13	INORG	Manganese	7439-96-5	0.0277		0.00084	1.1	EC20 Daph	0.03
Back Valley	E	BW-14	INORG	Manganese	7439-96-5	0.141		0.00084	1.1	EC20 Daph	0.1
Front Valley	A	M85L-4	INORG	Manganese	7439-96-5	0.455		0.00084	1.1	EC20 Daph	0.4
Front Valley	A	MW156-P44A	INORG	Manganese	7439-96-5	14		0.0168	1.1	EC20 Daph	10
Front Valley	A	MW158-N44A	INORG	Manganese	7439-96-5	2.72		0.0042	1.1	EC20 Daph	2
Front Valley	A	MW162-T31A	INORG	Manganese	7439-96-5	0.0201		0.00084	1.1	EC20 Daph	0.02
Front Valley	A	MW167-O44A	INORG	Manganese	7439-96-5	0.152		0.00084	1.1	EC20 Daph	0.1
Front Valley	A	MW-1S	INORG	Manganese	7439-96-5	0.627		0.00084	1.1	EC20 Daph	0.6
Front Valley	A	SW-151-1	INORG	Manganese	7439-96-5	0.0544		0.00084	1.1	EC20 Daph	0.05
Front Valley	A	SW-151-2	INORG	Manganese	7439-96-5	2.02		0.0042	1.1	EC20 Daph	2
Front Valley	A	SW-152-3	INORG	Manganese	7439-96-5	0.444		0.00084	1.1	EC20 Daph	0.4
Front Valley	AB	MW181-I37AB	INORG	Manganese	7439-96-5	1.59		0.0042	1.1	EC20 Daph	1
Front Valley	AB	MW182-K39AB	INORG	Manganese	7439-96-5	14.2		0.042	1.1	EC20 Daph	10
Front Valley	AB	MW216-G37AB	INORG	Manganese	7439-96-5	0.0733		0.00084	1.1	EC20 Daph	0.07
Front Valley	B	DW-152-3	INORG	Manganese	7439-96-5	0.0544		0.00084	1.1	EC20 Daph	0.05
Front Valley	B	M85L-11	INORG	Manganese	7439-96-5	0.0159		0.00084	1.1	EC20 Daph	0.01
Front Valley	C	MW155-P43C	INORG	Manganese	7439-96-5	0.0556		0.00084	1.1	EC20 Daph	0.05
Front Valley	CD	MW183-O39CD	INORG	Manganese	7439-96-5	0.0352		0.00084	1.1	EC20 Daph	0.03
Front Valley	CD	MW192-P41CD	INORG	Manganese	7439-96-5	2.27		0.0042	1.1	EC20 Daph	2
Front Valley	CD	MW193-Q40CD	INORG	Manganese	7439-96-5	0.213		0.00084	1.1	EC20 Daph	0.2
Front Valley	CD	MW235-P39CD	INORG	Manganese	7439-96-5	0.299		0.00044	1.1	EC20 Daph	0.3
Front Valley	D	MW-149-1	INORG	Manganese	7439-96-5	1.93		0.0042	1.1	EC20 Daph	2
Back Valley	AB	MW205-M27AB	PEST	Chlordane (total)	57-74-9	0.0000083	J	0.0000045	0.0000043	SLERA	2
Back Valley	AB	MW223-L26AB	PEST	Chlordane (total)	57-74-9	0.0000061	J	0.000059	0.0000043	SLERA	1
Front Valley	A	M85L-4	PEST	Aldrin	309-00-2	0.0000066	J	0.0000041	0.000002	SLERA	3
Front Valley	AB	MW182-K39AB	PEST	Chlordane (total)	57-74-9	0.0000049	J	0.0000047	0.0000043	SLERA	1
Back Valley	AB	MW205-M27AB	VOC	t-Butyl alcohol	75-65-0	1.4		0.04	0.63	Tetrachloroethylene	2

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Back Valley	AB	MW205-M27AB	VOC	t-Butyl alcohol	75-65-0	1		0.04	0.63	Tetrachloroethylene	2
Back Valley	AB	MW205-M27AB	VOC	Trichloroethylene	79-01-6	0.048		0.001	6.51	median	0.007
Back Valley	AB	MW205-M27AB	VOC	Trichloroethylene	79-01-6	0.027		0.001	6.51	median	0.004
Back Valley	AB	MW208-L26AB	VOC	Trichloroethylene	79-01-6	0.0001	J	0.0001	6.51	median	0.00002
Back Valley	AB	MW208-L26AB	VOC	Trichloroethylene	79-01-6	0.0003	J	0.0001	6.51	median	0.00005
Back Valley	AB	MW223-L26AB	VOC	Trichloroethylene	79-01-6	30		0.5	6.51	median	5
Back Valley	B	MW168-O28B	VOC	Trichloroethylene	79-01-6	0.0001	J	0.0001	6.51	median	0.00002
Front Valley	A	MW-1S	VOC	t-Butyl alcohol	75-65-0	0.0081	J	0.004	0.63	Tetrachloroethylene	0.01
Front Valley	CD	MW192-P41CD	VOC	t-Butyl alcohol	75-65-0	0.0045	J	0.004	0.63	Tetrachloroethylene	0.007
Front Valley	CD	MW192-P41CD	VOC	t-Butyl alcohol	75-65-0	0.029		0.004	0.63	Tetrachloroethylene	0.05
Front Valley	CD	MW192-P41CD	VOC	t-Butyl alcohol	75-65-0	0.022		0.004	0.63	Tetrachloroethylene	0.03
Front Valley	A	M85L-4	VOC	Trichloroethylene	79-01-6	0.0004	J	0.0001	6.51	median	0.00006
Front Valley	A	MW-1S	VOC	Trichloroethylene	79-01-6	0.0004	J	0.0001	6.51	median	0.00006
Front Valley	A	MW-1S	VOC	Trichloroethylene	79-01-6	0.0002	J	0.0001	6.51	median	0.00003
Front Valley	A	SW-151-1	VOC	Trichloroethylene	79-01-6	0.0045		0.0001	6.51	median	0.0007
Front Valley	A	SW-151-1	VOC	Trichloroethylene	79-01-6	0.0041		0.0001	6.51	median	0.0006
Front Valley	A	SW-151-2	VOC	Trichloroethylene	79-01-6	0.0004	J	0.0001	6.51	median	0.00006
Front Valley	AB	MW181-I37AB	VOC	Trichloroethylene	79-01-6	0.0002	J	0.0001	6.51	median	0.00003
Front Valley	AB	MW182-K39AB	VOC	Trichloroethylene	79-01-6	0.0025		0.0001	6.51	median	0.0004
Front Valley	B	DW-152-3	VOC	Trichloroethylene	79-01-6	0.0001	J	0.0001	6.51	median	0.00002
Front Valley	B	M85L-11	VOC	Trichloroethylene	79-01-6	0.0003	J	0.0001	6.51	median	0.00005
Front Valley	CD	MW183-O39CD	VOC	Trichloroethylene	79-01-6	0.36		0.01	6.51	median	0.06
Front Valley	CD	MW183-O39CD	VOC	Trichloroethylene	79-01-6	0.31		0.01	6.51	median	0.05
Front Valley	CD	MW192-P41CD	VOC	Trichloroethylene	79-01-6	0.0004	J	0.0001	6.51	median	0.00006
Front Valley	CD	MW192-P41CD	VOC	Trichloroethylene	79-01-6	0.0001	J	0.0001	6.51	median	0.00002
Front Valley	CD	MW193-Q40CD	VOC	Trichloroethylene	79-01-6	0.0007		0.0001	6.51	median	0.0001
Front Valley	CD	MW193-Q40CD	VOC	Trichloroethylene	79-01-6	0.001		0.0001	6.51	median	0.0002
Front Valley	CD	MW193-Q40CD	VOC	Trichloroethylene	79-01-6	0.001		0.0001	6.51	median	0.0002
Front Valley	CD	MW193-Q40CD	VOC	Trichloroethylene	79-01-6	0.0009		0.0001	6.51	median	0.0001
Front Valley	CD	MW235-P39CD	VOC	Trichloroethylene	79-01-6	0.0028		0.0001	6.51	median	0.0004
Front Valley	D	MW-149-1	VOC	Trichloroethylene	79-01-6	0.37		0.005	6.51	median	0.06
Front Valley	D	MW-149-1	VOC	Trichloroethylene	79-01-6	0.35		0.002	6.51	median	0.05
Back Valley	A	MW166-T32A	WQ	Sulfate	14808-79-8	5.1		1.5	WQ	WQ	--
Back Valley	A	MW166-T32A	WQ	Sulfate	14808-79-8	10.2		1.5	WQ	WQ	--
Back Valley	AB	MW190-N24AB	WQ	Sulfate	14808-79-8	1.7	J	1.5	WQ	WQ	--
Back Valley	AB	MW205-M27AB	WQ	Sulfate	14808-79-8	1.7	J	1.5	WQ	WQ	--
Back Valley	AB	MW208-L26AB	WQ	Sulfate	14808-79-8	1.5	J	1.5	WQ	WQ	--
Back Valley	AB	MW233-O20AB	WQ	Sulfate	14808-79-8	4.5	J	1.5	WQ	WQ	--
Back Valley	B	MW168-O28B	WQ	Sulfate	14808-79-8	22.1		1.5	WQ	WQ	--
Back Valley	B	MW168-O28B	WQ	Sulfate	14808-79-8	24.3		1.5	WQ	WQ	--
Back Valley	B	SW-13	WQ	Sulfate	14808-79-8	2.5	J	1.5	WQ	WQ	--
Back Valley	E	BW-14	WQ	Sulfate	14808-79-8	5.9		1.5	WQ	WQ	--
Back Valley	E	BW-14	WQ	Sulfate	14808-79-8	5.4		1.5	WQ	WQ	--
Front Valley	A	M85L-4	WQ	Sulfate	14808-79-8	3.9	J	1.5	WQ	WQ	--
Front Valley	A	MW156-P44A	WQ	Sulfate	14808-79-8	7.2	J	1.5	WQ	WQ	--
Front Valley	A	MW158-N44A	WQ	Sulfate	14808-79-8	2.7	J	1.5	WQ	WQ	--
Front Valley	A	MW158-N44A	WQ	Sulfate	14808-79-8	5.6		1.5	WQ	WQ	--
Front Valley	A	MW162-T31A	WQ	Sulfate	14808-79-8	4.7	J	1.5	WQ	WQ	--

M6-3b: Location-Specific Groundwater HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Result (total mg/L)	Flag	SQL	BERA Criterion	Source	HQ
Front Valley	A	MW162-T31A	WQ	Sulfate	14808-79-8	25		1.5	WQ	WQ	--
Front Valley	A	MW167-O44A	WQ	Sulfate	14808-79-8	9.8	J	1.5	WQ	WQ	--
Front Valley	A	MW167-O44A	WQ	Sulfate	14808-79-8	6.3		1.5	WQ	WQ	--
Front Valley	A	MW-1S	WQ	Sulfate	14808-79-8	13.5		1.5	WQ	WQ	--
Front Valley	A	MW-1S	WQ	Sulfate	14808-79-8	9.3		1.5	WQ	WQ	--
Front Valley	A	SW-151-2	WQ	Sulfate	14808-79-8	2.1	J	1.5	WQ	WQ	--
Front Valley	A	SW-151-2	WQ	Sulfate	14808-79-8	15.9		1.5	WQ	WQ	--
Front Valley	A	SW-152-3	WQ	Sulfate	14808-79-8	6.8	J	1.5	WQ	WQ	--
Front Valley	A	SW-152-3	WQ	Sulfate	14808-79-8	5	J	1.5	WQ	WQ	--
Front Valley	AB	MW181-I37AB	WQ	Sulfate	14808-79-8	4.1	J	1.5	WQ	WQ	--
Front Valley	AB	MW182-K39AB	WQ	Sulfate	14808-79-8	95.2		3	WQ	WQ	--
Front Valley	AB	MW216-G37AB	WQ	Sulfate	14808-79-8	2	J	1.5	WQ	WQ	--
Front Valley	B	DW-152-3	WQ	Sulfate	14808-79-8	3.3	J	1.5	WQ	WQ	--
Front Valley	B	DW-152-3	WQ	Sulfate	14808-79-8	3.4	J	1.5	WQ	WQ	--
Front Valley	B	M85L-11	WQ	Sulfate	14808-79-8	6.2		1.5	WQ	WQ	--
Front Valley	C	MW155-P43C	WQ	Sulfate	14808-79-8	8.6		1.5	WQ	WQ	--
Front Valley	C	MW155-P43C	WQ	Sulfate	14808-79-8	9.6		1.5	WQ	WQ	--
Front Valley	CD	MW235-P39CD	WQ	Sulfate	14808-79-8	2.4	J	1.5	WQ	WQ	--

--	No criterion or not applicable (for source and HQ).
BERA	Baseline ecological risk assessment.
COPEC	Chemicals of potential ecological concern.
EC20	20% effects concentration. Value taken from Daphnia (Daph) studies found in ORNL.
HQ	Hazard quotient.
J	Estimated value.
median	Median was taken from values found in ORNL.
mg/L	Milligram per liter.
SQL	Sample quantitation level.
U	Not detected.
UJ	Non-detect, estimated quantitation limit.
U*	Not detected, duplicate analysiss not within control limits.
WQ	Water quality parameter. Not for risk assessment.

0.1	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.
40	HQ is between 11 and 100.
200	HQ > 100.

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
POND2	POND 2W-P39	POND2W-P39SED	PEST	4,4'-DDD	72-54-8	0.00044	J	0.00033	EqP	EqP	--
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	PEST	4,4'-DDT	50-29-3	0.00062	J	0.00033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	PEST	4,4'-DDT	50-29-3	0.00039	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	PEST	4,4'-DDT	50-29-3	0.0011	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	PEST	4,4'-DDT	50-29-3	0.0017	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 3-L27	GBW3-L27SED	PEST	4,4'-DDT	50-29-3	0.0011	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 3-O25	GBW3-O25SED	PEST	4,4'-DDT	50-29-3	0.00084	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 5-O22	GBW5-O22SED	PEST	4,4'-DDT	50-29-3	0.00069	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	PEST	4,4'-DDT	50-29-3	0.001	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	PEST	4,4'-DDT	50-29-3	0.00034	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 2-L41	UBW2-L41SED	PEST	4,4'-DDT	50-29-3	0.00066	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	PEST	4,4'-DDT	50-29-3	0.0023		0.00033	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	PEST	4,4'-DDT	50-29-3	0.0031		0.00033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	PEST	4,4'-DDT	50-29-3	0.0017	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	PEST	4,4'-DDT	50-29-3	0.0026	NJ	0.00033	EqP	EqP	--
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	PEST	4,4'-DDT	50-29-3	0.0016	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	PEST	4,4'-DDT	50-29-3	0.0013	J	0.00099	EqP	EqP	--
Unnamed Branch	UBW 5-I37	UBW5-I37SED	PEST	4,4'-DDT	50-29-3	0.0013	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	PEST	4,4'-DDT	50-29-3	0.0017		0.00033	EqP	EqP	--
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	PEST	Aldrin	309-00-2	0.00079	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	PEST	Aldrin	309-00-2	0.0092	J	0.0034	EqP	EqP	--
Unnamed Branch	UBW 1-O44	UBW1-O44SED	PEST	Aldrin	309-00-2	0.00093	NJ	0.00017	EqP	EqP	--
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	PEST	Aldrin	309-00-2	0.0061	J	0.0034	EqP	EqP	--
Unnamed Branch	UBW 2-L41	UBW2-L41SED	PEST	Aldrin	309-00-2	0.00029	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	PEST	Aldrin	309-00-2	0.0055		0.00017	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	PEST	Aldrin	309-00-2	0.0045		0.00017	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	PEST	Aldrin	309-00-2	0.0036		0.00017	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	PEST	Aldrin	309-00-2	0.0057		0.00017	EqP	EqP	--
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	PEST	beta-BHC	319-85-7	0.0011	J	0.00096	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	PEST	beta-BHC	319-85-7	0.0017	J	0.00096	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	PEST	beta-BHC	319-85-7	0.0012	J	0.00096	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	PEST	beta-BHC	319-85-7	0.0012	J	0.00096	EqP	EqP	--
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	PEST	beta-BHC	319-85-7	0.0037	J	0.00096	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	PEST	beta-BHC	319-85-7	0.0048	J	0.0029	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	PEST	beta-BHC	319-85-7	0.0011	J	0.00096	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	PEST	Chlordane (total)	57-74-9	0.00021	J	0.00017	EqP	EqP	--
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	PEST	Chlordane (total)	57-74-9	0.00018	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	PEST	Chlordane (total)	57-74-9	0.00036	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 3-L27	GBW3-L27SED	PEST	Chlordane (total)	57-74-9	0.00101	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 3-O25	GBW3-O25SED	PEST	Chlordane (total)	57-74-9	0.00034	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	PEST	Chlordane (total)	57-74-9	0.00029	J	0.00017	EqP	EqP	--
POND2	POND 2W-P39	POND2W-P39SED	PEST	Chlordane (total)	57-74-9	0.00079	J	0.00017	EqP	EqP	--
POND3	POND 3W-S35	POND3W-S35SED	PEST	Chlordane (total)	57-74-9	0.00039	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	PEST	Chlordane (total)	57-74-9	0.0017	NJ	0.001	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	PEST	Chlordane (total)	57-74-9	0.002	J	0.00051	EqP	EqP	--
Unnamed Branch	UBW 5-I37	UBW5-I37SED	PEST	Chlordane (total)	57-74-9	0.00062	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	PEST	Chlordane (total)	57-74-9	0.00203		0.00017	EqP	EqP	--
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	PEST	Lindane	58-89-9	0.00021	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	PEST	Lindane	58-89-9	0.00031	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 3-N24	GBW3-N24SED	PEST	Lindane	58-89-9	0.00024	J	0.00017	EqP	EqP	--

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 4-N23	GBW4-N23SED	PEST	Lindane	58-89-9	0.00026	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	PEST	Lindane	58-89-9	0.0006	J	0.00051	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Acenaphthene	83-32-9	2.8		0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Acenaphthylene	208-96-8	0.73	J	0.33	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Benzo(a)anthracene	56-55-3	0.063	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Benzo(a)pyrene	50-32-8	0.055	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	Benzo(b)fluoranthene	205-99-2	0.039	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Benzo(b)fluoranthene	205-99-2	0.072	J	0.033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Chrysene	218-01-9	0.51	J	0.33	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Chrysene	218-01-9	0.061	J	0.033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Dibenzofuran	132-64-9	1.1	J	0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Fluoranthene	206-44-0	0.36	J	0.33	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	Fluoranthene	206-44-0	0.05	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Fluoranthene	206-44-0	0.12	J	0.033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Phenanthrene	85-01-8	7.8		0.33	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	Phenanthrene	85-01-8	0.035	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Phenanthrene	85-01-8	0.088	J	0.033	EqP	EqP	--
Gregg Branch	GBW 5-O22	GBW5-O22SED	SVOC	Phenol	108-95-2	0.13	J	0.033	EqP	EqP	--
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	VOC	Acetone	67-64-1	0.007	J	0.006	EqP	EqP	--
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	VOC	Acetone	67-64-1	0.014	J	0.009	EqP	EqP	--
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	VOC	Acetone	67-64-1	0.009	J	0.008	EqP	EqP	--
Gregg Branch	GBW 3-L27	GBW3-L27SED	VOC	Acetone	67-64-1	0.013	J	0.008	EqP	EqP	--
Gregg Branch	GBW 5-O22	GBW5-O22SED	VOC	Acetone	67-64-1	0.042	J	0.01	EqP	EqP	--
Gregg Branch	GBW 6-R20	GBW6-R20SED	VOC	Acetone	67-64-1	0.007	J	0.007	EqP	EqP	--
POND2	POND 2W-P39	POND2W-P39SED	VOC	Acetone	67-64-1	0.021	J	0.006	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	VOC	Acetone	67-64-1	0.017	J	0.01	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	VOC	Acetone	67-64-1	0.018	J	0.013	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	VOC	Acetone	67-64-1	0.046		0.012	EqP	EqP	--
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	VOC	Acetone	67-64-1	0.01	J	0.008	EqP	EqP	--
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	VOC	Acetone	67-64-1	0.014	J	0.01	EqP	EqP	--
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	VOC	Acetone	67-64-1	0.01	J	0.009	EqP	EqP	--
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	VOC	Acetone	67-64-1	0.008	J	0.006	EqP	EqP	--
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	VOC	Chloroform	67-66-3	0.001	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	VOC	Chloroform	67-66-3	0.002	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	VOC	Chloroform	67-66-3	0.003	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 2-L41	UBW2-L41SED	VOC	Chloroform	67-66-3	0.17	J	0.052	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	VOC	Chloroform	67-66-3	0.005	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	VOC	Ethylbenzene	100-41-4	0.004	J	0.001	EqP	EqP	--
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	VOC	Trichloroethylene	79-01-6	0.001	J	0.001	EqP	EqP	--
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	VOC	Trichloroethylene	79-01-6	0.075	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	VOC	Trichloroethylene	79-01-6	0.006		0.001	EqP	EqP	--
Unnamed Branch	UBW 2-L41	UBW2-L41SED	VOC	Trichloroethylene	79-01-6	0.2		0.001	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	VOC	Trichloroethylene	79-01-6	0.002	J	0.0009	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	VOC	Trichloroethylene	79-01-6	0.009	J	0.002	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	VOC	Trichloroethylene	79-01-6	0.004	J	0.002	EqP	EqP	--
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	VOC	Trichloroethylene	79-01-6	0.016		0.001	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	VOC	Trichloroethylene	79-01-6	0.012		0.001	EqP	EqP	--
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	VOC	Trichloroethylene	79-01-6	0.003	J	0.001	EqP	EqP	--
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	VOC	Trichloroethylene	79-01-6	0.022		0.001	EqP	EqP	--
Unnamed Branch	UBW 5-I37	UBW5-I37SED	VOC	Trichloroethylene	79-01-6	0.049		0.0009	EqP	EqP	--

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
Unnamed Branch	UBW 6-I37	UBW6-I37SED	VOC	Trichloroethylene	79-01-6	0.001	J	0.001	EqP	EqP	--
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Iron	7439-89-6	17100	J	4.66	20000	NOAA-LEL	0.9
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Manganese	7439-96-5	305	J	0.0554	630	NOAA-TEL	0.5
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Titanium	7440-32-6	882		1.88	1000	R4 SS Crit	0.9
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Iron	7439-89-6	17600	J	4.62	20000	NOAA-LEL	0.9
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Manganese	7439-96-5	266	J	0.0549	630	NOAA-TEL	0.4
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Titanium	7440-32-6	591		1.86	1000	R4 SS Crit	0.6
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	1,1'-Biphenyl	92-52-4	3.3		0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	1-Methylnaphthalene	90-12-0	34		0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	2-Methyl naphthalene	91-57-6	65		1.7	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Anthracene	120-12-7	1.1	J	0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Fluorene	86-73-7	2.5		0.33	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	Pyrene	129-00-0	1.6	J	0.33	EqP	EqP	--
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Iron	7439-89-6	17100	J	4.53	20000	NOAA-LEL	0.9
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Manganese	7439-96-5	269	J	0.0538	630	NOAA-TEL	0.4
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Titanium	7440-32-6	1160		1.83	1000	R4 SS Crit	1
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	PEST	Endosulfan	115-29-7	0.00033	J	0.00033	EqP	EqP	--
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	PEST	Heptachlor epoxide	1024-57-3	0.00021	J	0.00017	EqP	EqP	--
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Iron	7439-89-6	22500	J	23.3	20000	NOAA-LEL	1
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Manganese	7439-96-5	203	J	0.0554	630	NOAA-TEL	0.3
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Titanium	7440-32-6	335		0.376	1000	R4 SS Crit	0.3
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Iron	7439-89-6	16300	J	4.62	20000	NOAA-LEL	0.8
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Manganese	7439-96-5	281	J	0.0549	630	NOAA-TEL	0.4
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Titanium	7440-32-6	1010		1.86	1000	R4 SS Crit	1
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Iron	7439-89-6	10700	J	4.53	20000	NOAA-LEL	0.5
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Manganese	7439-96-5	203	J	0.0538	630	NOAA-TEL	0.3
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Titanium	7440-32-6	468		0.365	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Cadmium	7440-43-9	0.418	J	0.137	1	R4	0.4
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Iron	7439-89-6	12100		4.62	20000	NOAA-LEL	0.6
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Manganese	7439-96-5	168		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Tin	7440-31-5	10.7	J	0.98	5	NOAA-BKG	2
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Titanium	7440-32-6	543		3.73	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Iron	7439-89-6	14000		4.57	20000	NOAA-LEL	0.7
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Manganese	7439-96-5	235		0.0544	630	NOAA-TEL	0.4
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Tin	7440-31-5	1.3	J	0.971	5	NOAA-BKG	0.3
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Titanium	7440-32-6	455		0.369	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Iron	7439-89-6	14000		4.62	20000	NOAA-LEL	0.7
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Manganese	7439-96-5	182		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Tin	7440-31-5	1.38	J	0.98	5	NOAA-BKG	0.3
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Titanium	7440-32-6	612		3.73	1000	R4 SS Crit	0.6
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	PEST	Endosulfan	115-29-7	0.002		0.00033	EqP	EqP	--
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Iron	7439-89-6	34100		46.6	20000	NOAA-LEL	2
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Manganese	7439-96-5	489		0.0554	630	NOAA-TEL	0.8
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Perchlorate	14797-73-0	0.0028	J	0.0021	--		--
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Selenium	7782-49-2	3.16		0.97	2	USEPA R3	2
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Titanium	7440-32-6	538		3.76	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Cadmium	7440-43-9	1.75		0.137	1	R4	2
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Iron	7439-89-6	42800		23.1	20000	NOAA-LEL	2
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Manganese	7439-96-5	328		0.0549	630	NOAA-TEL	0.5
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Selenium	7782-49-2	3.82		0.961	2	USEPA R3	2

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Titanium	7440-32-6	403		0.373	1000	R4 SS Crit	0.4
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Iron	7439-89-6	20600		46.2	20000	NOAA-LEL	1
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Manganese	7439-96-5	685		0.549	630	NOAA-TEL	1
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Titanium	7440-32-6	462		0.373	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Iron	7439-89-6	12000		4.53	20000	NOAA-LEL	0.6
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Manganese	7439-96-5	173		0.0538	630	NOAA-TEL	0.3
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Selenium	7782-49-2	1.15	J	0.942	2	USEPA R3	0.6
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Titanium	7440-32-6	463		0.365	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	PEST	Heptachlor epoxide	1024-57-3	0.00067	J	0.00051	EqP	EqP	--
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Iron	7439-89-6	20700		46.2	20000	NOAA-LEL	1
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Manganese	7439-96-5	716		0.549	630	NOAA-TEL	1
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Selenium	7782-49-2	1.62	J	0.961	2	USEPA R3	0.8
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Titanium	7440-32-6	512		3.73	1000	R4 SS Crit	0.5
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Iron	7439-89-6	16500		4.53	20000	NOAA-LEL	0.8
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Manganese	7439-96-5	131		0.0538	630	NOAA-TEL	0.2
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Selenium	7782-49-2	0.99	J	0.942	2	USEPA R3	0.5
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Titanium	7440-32-6	406		0.365	1000	R4 SS Crit	0.4
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	PEST	Endosulfan	115-29-7	0.0003	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Iron	7439-89-6	9990		4.66	20000	NOAA-LEL	0.5
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Manganese	7439-96-5	306		0.0554	630	NOAA-TEL	0.5
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Titanium	7440-32-6	351		0.376	1000	R4 SS Crit	0.4
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Iron	7439-89-6	17000	J	4.57	20000	NOAA-LEL	0.9
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Manganese	7439-96-5	152	J	0.0544	630	NOAA-TEL	0.2
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Titanium	7440-32-6	358		0.369	1000	R4 SS Crit	0.4
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Iron	7439-89-6	21300	J	22.6	20000	NOAA-LEL	1
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Manganese	7439-96-5	278	J	0.0538	630	NOAA-TEL	0.4
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Titanium	7440-32-6	574		1.83	1000	R4 SS Crit	0.6
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	PEST	Heptachlor epoxide	1024-57-3	0.00065	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Iron	7439-89-6	15100		4.66	20000	NOAA-LEL	0.8
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Manganese	7439-96-5	232		0.0554	630	NOAA-TEL	0.4
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Selenium	7782-49-2	1.25	J	0.97	2	USEPA R3	0.6
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Titanium	7440-32-6	397		0.376	1000	R4 SS Crit	0.4
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Iron	7439-89-6	25600		45.3	20000	NOAA-LEL	1
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Manganese	7439-96-5	293		0.0538	630	NOAA-TEL	0.5
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Selenium	7782-49-2	2.34		0.942	2	USEPA R3	1
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Titanium	7440-32-6	749		3.65	1000	R4 SS Crit	0.7
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Iron	7439-89-6	14700		4.66	20000	NOAA-LEL	0.7
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Manganese	7439-96-5	220		0.0554	630	NOAA-TEL	0.3
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Titanium	7440-32-6	509		3.76	1000	R4 SS Crit	0.5
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Iron	7439-89-6	11900		4.66	20000	NOAA-LEL	0.6
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Manganese	7439-96-5	143		0.0554	630	NOAA-TEL	0.2
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Titanium	7440-32-6	618		3.76	1000	R4 SS Crit	0.6
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Iron	7439-89-6	15100		4.57	20000	NOAA-LEL	0.8
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Manganese	7439-96-5	246		0.0544	630	NOAA-TEL	0.4
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Selenium	7782-49-2	1.46	J	0.951	2	USEPA R3	0.7
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Titanium	7440-32-6	377		0.369	1000	R4 SS Crit	0.4
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Iron	7439-89-6	16000		4.71	20000	NOAA-LEL	0.8
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Manganese	7439-96-5	263		0.056	630	NOAA-TEL	0.4
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Selenium	7782-49-2	1.35	J	0.98	2	USEPA R3	0.7
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Titanium	7440-32-6	733		3.8	1000	R4 SS Crit	0.7

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	PEST	Endosulfan	115-29-7	0.0015		0.00033	EqP	EqP	--
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	PEST	Heptachlor epoxide	1024-57-3	0.00057	J	0.00017	EqP	EqP	--
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Cadmium	7440-43-9	0.954		0.139	1	R4	1
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Iron	7439-89-6	33100		46.6	20000	NOAA-LEL	2
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Manganese	7439-96-5	466		0.0554	630	NOAA-TEL	0.7
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Titanium	7440-32-6	395		3.73	1000	R4 SS Crit	0.4
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Iron	7439-89-6	12400		4.71	20000	NOAA-LEL	0.6
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Manganese	7439-96-5	145		0.056	630	NOAA-TEL	0.2
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Titanium	7440-32-6	716		3.8	1000	R4 SS Crit	0.7
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Iron	7439-89-6	24400		23.6	20000	NOAA-LEL	1
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Manganese	7439-96-5	98.4		0.056	630	NOAA-TEL	0.2
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Selenium	7782-49-2	1.97	J	0.98	2	USEPA R3	1
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Titanium	7440-32-6	402		0.38	1000	R4 SS Crit	0.4
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Iron	7439-89-6	11600		4.62	20000	NOAA-LEL	0.6
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Manganese	7439-96-5	166		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Titanium	7440-32-6	451		0.373	1000	R4 SS Crit	0.5
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Iron	7439-89-6	17500		4.62	20000	NOAA-LEL	0.9
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Manganese	7439-96-5	192		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Titanium	7440-32-6	544		3.73	1000	R4 SS Crit	0.5
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Iron	7439-89-6	20100		23.6	20000	NOAA-LEL	1
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Manganese	7439-96-5	171		0.056	630	NOAA-TEL	0.3
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Selenium	7782-49-2	1.86	J	0.98	2	USEPA R3	0.9
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Titanium	7440-32-6	384		0.38	1000	R4 SS Crit	0.4
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Iron	7439-89-6	20600		23.1	20000	NOAA-LEL	1
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Manganese	7439-96-5	204		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Selenium	7782-49-2	1.71	J	0.961	2	USEPA R3	0.9
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Titanium	7440-32-6	401		0.373	1000	R4 SS Crit	0.4
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Iron	7439-89-6	28800		22.9	20000	NOAA-LEL	1
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Manganese	7439-96-5	114		0.0544	630	NOAA-TEL	0.2
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Selenium	7782-49-2	2.34		0.951	2	USEPA R3	1
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Titanium	7440-32-6	392		0.369	1000	R4 SS Crit	0.4
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Iron	7439-89-6	11000		4.57	20000	NOAA-LEL	0.6
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Manganese	7439-96-5	139		0.0544	630	NOAA-TEL	0.2
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Titanium	7440-32-6	452		0.369	1000	R4 SS Crit	0.5
Gregg Branch	GBW 5-R20	GBW5-R20SED	PEST	Endosulfan	115-29-7	0.0013	J	0.00033	EqP	EqP	--
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Iron	7439-89-6	12800		4.62	20000	NOAA-LEL	0.6
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Manganese	7439-96-5	215		0.0549	630	NOAA-TEL	0.3
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Titanium	7440-32-6	464		0.373	1000	R4 SS Crit	0.5
Gregg Branch	GBW 6-R20	GBW6-R20SED	SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	0.28	J	0.17	EqP	EqP	--
POND1	POND 1W-O43	POND1W-O43SED	INORG	Cadmium	7440-43-9	0.669		0.14	1	R4	0.7
POND1	POND 1W-O43	POND1W-O43SED	INORG	Iron	7439-89-6	18800		4.71	20000	NOAA-LEL	0.9
POND1	POND 1W-O43	POND1W-O43SED	INORG	Manganese	7439-96-5	267		0.28	630	NOAA-TEL	0.4
POND1	POND 1W-O43	POND1W-O43SED	INORG	Tin	7440-31-5	1.79	J	1	5	NOAA-BKG	0.4
POND1	POND 1W-O43	POND1W-O43SED	INORG	Titanium	7440-32-6	872		1.9	1000	R4 SS Crit	0.9
POND2	POND 2W-P39	POND2W-P39SED	INORG	Cadmium	7440-43-9	0.538		0.14	1	R4	0.5
POND2	POND 2W-P39	POND2W-P39SED	INORG	Iron	7439-89-6	15900		4.71	20000	NOAA-LEL	0.8
POND2	POND 2W-P39	POND2W-P39SED	INORG	Manganese	7439-96-5	218		0.28	630	NOAA-TEL	0.3
POND2	POND 2W-P39	POND2W-P39SED	INORG	Tin	7440-31-5	1.82	J	1	5	NOAA-BKG	0.4
POND2	POND 2W-P39	POND2W-P39SED	INORG	Titanium	7440-32-6	737		1.9	1000	R4 SS Crit	0.7
POND2	POND 2W-P39	POND2W-P39SED	PEST	Endosulfan	115-29-7	0.00074	J	0.00033	EqP	EqP	--

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
POND3	POND 3W-S35	POND3W-S35SED	INORG	Cadmium	7440-43-9	0.388	J	0.14	1	R4	0.4
POND3	POND 3W-S35	POND3W-S35SED	INORG	Iron	7439-89-6	11800		4.71	20000	NOAA-LEL	0.6
POND3	POND 3W-S35	POND3W-S35SED	INORG	Manganese	7439-96-5	159		0.28	630	NOAA-TEL	0.3
POND3	POND 3W-S35	POND3W-S35SED	INORG	Tin	7440-31-5	1.64	J	1	5	NOAA-BKG	0.3
POND3	POND 3W-S35	POND3W-S35SED	INORG	Titanium	7440-32-6	633		1.9	1000	R4 SS Crit	0.6
POND3	POND 3W-S35	POND3W-S35SED	PEST	Endosulfan	115-29-7	0.00053	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Iron	7439-89-6	14700	J	4.71	20000	NOAA-LEL	0.7
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Manganese	7439-96-5	651	J	0.28	630	NOAA-TEL	1
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Titanium	7440-32-6	480		0.38	1000	R4 SS Crit	0.5
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	PEST	Endosulfan	115-29-7	0.0055		0.00033	EqP	EqP	--
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Iron	7439-89-6	7170	J	4.62	20000	NOAA-LEL	0.4
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Manganese	7439-96-5	367	J	0.0549	630	NOAA-TEL	0.6
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Titanium	7440-32-6	278		0.373	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	PEST	Endosulfan	115-29-7	0.00051	J	0.00033	EqP	EqP	--
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Iron	7439-89-6	18800	J	4.57	20000	NOAA-LEL	0.9
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Manganese	7439-96-5	217	J	0.0544	630	NOAA-TEL	0.3
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Selenium	7782-49-2	1.35	J	0.951	2	USEPA R3	0.7
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Titanium	7440-32-6	329		0.369	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Iron	7439-89-6	12100	J	4.66	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Manganese	7439-96-5	1400	J	0.277	630	NOAA-TEL	2
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Selenium	7782-49-2	1.06	J	0.97	2	USEPA R3	0.5
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Titanium	7440-32-6	404		0.376	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Iron	7439-89-6	10800	J	4.66	20000	NOAA-LEL	0.5
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Manganese	7439-96-5	400	J	0.0554	630	NOAA-TEL	0.6
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Perchlorate	14797-73-0	0.038		0.0021	--		--
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Titanium	7440-32-6	431		0.376	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 2-L41	UBW2-L41SED	PEST	Heptachlor epoxide	1024-57-3	0.0014	NJ	0.00017	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Iron	7439-89-6	21500	J	23.3	20000	NOAA-LEL	1
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Manganese	7439-96-5	2200	J	0.277	630	NOAA-TEL	3
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Selenium	7782-49-2	1.72	J	0.97	2	USEPA R3	0.9
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Titanium	7440-32-6	296		0.376	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	PEST	Endosulfan	115-29-7	0.0066		0.00033	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	SVOC	BZ (3-Quinuclidinyl benzilate)	6581-06-2	0.34	J	0.17	EqP	EqP	--
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.24		0.033	EqP	EqP	--
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Iron	7439-89-6	11500	J	4.57	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Manganese	7439-96-5	473	J	0.0544	630	NOAA-TEL	0.8
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Titanium	7440-32-6	428		0.369	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 3-K39	UBW3-K39SED	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.056	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Iron	7439-89-6	16200	J	4.66	20000	NOAA-LEL	0.8
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Manganese	7439-96-5	364	J	0.0554	630	NOAA-TEL	0.6
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Selenium	7782-49-2	1.16	J	0.97	2	USEPA R3	0.6
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Titanium	7440-32-6	637		1.88	1000	R4 SS Crit	0.6
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	Benzophenone	119-61-9	0.04	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	Pyrene	129-00-0	0.051	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Iron	7439-89-6	16800	J	4.62	20000	NOAA-LEL	0.8
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Manganese	7439-96-5	403	J	0.0549	630	NOAA-TEL	0.6
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Titanium	7440-32-6	633		1.86	1000	R4 SS Crit	0.6
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	Pyrene	129-00-0	0.11	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Iron	7439-89-6	16400	J	4.66	20000	NOAA-LEL	0.8
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Manganese	7439-96-5	106	J	0.0554	630	NOAA-TEL	0.2

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Titanium	7440-32-6	259		0.376	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	PEST	Heptachlor epoxide	1024-57-3	0.00058	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Iron	7439-89-6	12200		4.71	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Manganese	7439-96-5	153		0.056	630	NOAA-TEL	0.2
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Titanium	7440-32-6	392		0.38	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	PEST	Heptachlor epoxide	1024-57-3	0.00071	J	0.00051	EqP	EqP	--
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Iron	7439-89-6	12500		4.71	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Manganese	7439-96-5	106		0.056	630	NOAA-TEL	0.2
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Titanium	7440-32-6	442		0.38	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	PEST	Endosulfan	115-29-7	0.003		0.00099	EqP	EqP	--
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	PEST	Heptachlor epoxide	1024-57-3	0.0047		0.00051	EqP	EqP	--
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Iron	7439-89-6	16200		4.57	20000	NOAA-LEL	0.8
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Manganese	7439-96-5	87.4		0.0544	630	NOAA-TEL	0.1
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Titanium	7440-32-6	412		0.369	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	PEST	Heptachlor epoxide	1024-57-3	0.0016	J	0.00051	EqP	EqP	--
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	SVOC	CS (ortho-Chlorobenzylidene malonitrile)	2698-41-1	0.64	J	0.17	EqP	EqP	--
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	SVOC	ortho-Chlorobenzaldehyde	89-98-5	0.076	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Iron	7439-89-6	10200	J	4.66	20000	NOAA-LEL	0.5
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Manganese	7439-96-5	119	J	0.0554	630	NOAA-TEL	0.2
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Titanium	7440-32-6	336		0.376	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 5-I37	UBW5-I37SED	PEST	Heptachlor epoxide	1024-57-3	0.00035	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Iron	7439-89-6	4180		4.53	20000	NOAA-LEL	0.2
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Manganese	7439-96-5	37.1		0.0538	630	NOAA-TEL	0.06
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Titanium	7440-32-6	434		0.365	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	PEST	Endosulfan	115-29-7	0.001		0.00033	EqP	EqP	--
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	PEST	Heptachlor epoxide	1024-57-3	0.00066	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Iron	7439-89-6	18600		4.66	20000	NOAA-LEL	0.9
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Manganese	7439-96-5	171		0.0554	630	NOAA-TEL	0.3
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Titanium	7440-32-6	568		3.76	1000	R4 SS Crit	0.6
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Iron	7439-89-6	11800		4.66	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Manganese	7439-96-5	161		0.0554	630	NOAA-TEL	0.3
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Titanium	7440-32-6	344		0.376	1000	R4 SS Crit	0.3
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	PEST	Heptachlor epoxide	1024-57-3	0.00063	J	0.00051	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Iron	7439-89-6	11600	J	4.71	20000	NOAA-LEL	0.6
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Manganese	7439-96-5	476	J	0.28	630	NOAA-TEL	0.8
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	PAHs (High MW)	130498-29-2H	3.295	J	0.33	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	PAHs (High MW)	130498-29-2H	0.2225	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	PAHs (High MW)	130498-29-2H	0.562	J	0.033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	PAHs (Low MW)	130498-29-2L	113.93	J	1.7	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	PAHs (Low MW)	130498-29-2L	0.134	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	PAHs (Low MW)	130498-29-2L	0.187	J	0.033	EqP	EqP	--
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	SVOC	PAHs (total)	130498-29-2	117.225	J	1.7	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SED	SVOC	PAHs (total)	130498-29-2	0.3565	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	SVOC	PAHs (total)	130498-29-2	0.749	J	0.033	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Titanium	7440-32-6	447		1.9	1000	R4 SS Crit	0.4
Unnamed Branch	UBW 6-I37	UBW6-I37SED	PEST	Heptachlor epoxide	1024-57-3	0.00036	J	0.00017	EqP	EqP	--
Unnamed Branch	UBW 6-I37	UBW6-I37SED	SVOC	Benzophenone	119-61-9	0.07	J	0.033	EqP	EqP	--

M6-3c: Location-Specific Sediment HQs for Aquatic Wildlife (All HQs for Detected COPECs)
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	HQ

(a)	PAHs assessed using equilibrium partitioning.
BERA	Baseline ecological risk assessment.
COPEC	Chemicals of potential ecological concern.
EqP	USEPA. 2008. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: Compendium of Tier 2 Values for Nonionic Organics (EPA/600/R-02/0160). March.
HQ	Hazard quotient.
J	Estimated value.
mg/kg	Milligram per kilogram.
MW	Molecular weight.
NC	No criteria.
NJ	Presence of an analyte has been tentatively identified and the associated numerical value represents its approximate concentration.
NOAA-BKG	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. Background values for freshwater sediment.
NOAA-LEL	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. ARCS Lowest Effects Level.
NOAA-TEL	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. ARCS Threshold Effects Level.
PAHs	Polycyclic aromatic hydrocarbons.
R4	USEPA. 2001. Supplemental Guidance to RAGS - Region 4 Ecological Risk Assessment Bulletins. http://www.epa.gov/region4/waste/ots/ecolbul.htm. November.
SQL	Sample quantitation level.
USEPA R3	USEPA Region 3. 2006. Freshwater Screening benchmarks. http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fwsed/screenbench.htm

0.1	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.
40	HQ is between 11 and 100.
200	HQ > 100.

M6-4A: Calculation of Water Quality Benchmarks For Equilibrium Partioning Analysis From Target Lipid Model and USEPA Narcosis Values
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Assumed Chemical Group for TLM (a)	Chemical	Chemical Detected in Media?			Molecular Weight (g/mol)	m (b)	Log (Kow) (c)	C^*_L(5%) (d)	ACR (e)	Δ c (f)	TLM Critical Aqueous Concentration (mmol/L) (g)	USEPA Narcosis SCV or FCV (µg/L) (h)	TLM Critical Aqueous Concentration (mg/L)	USEPA Narcosis SCV or FCV (mg/L)	Final Value (mg/L)	Source
				SW	SS	Sed?												
72-55-9	PEST	PAH	4,4'-DDE	YES	YES	YES	318.03	-0.936	6.76	28.94	5.09	-0.352	5.9E-07	no value	1.9E-04	no value	1.9E-04	TLM
309-00-2	PEST	PAH	Aldrin	YES	YES	YES	364.91	-0.936	6.50	28.94	5.09	-0.352	1.0E-06	no value	3.8E-04	no value	3.8E-04	TLM
319-85-7	PEST	PAH	beta-BHC	YES	YES	YES	290.83	-0.936	3.81	28.94	5.09	-0.352	Use USEPA	3.1E+02	--	3.1E-01	3.1E-01	USEPA
58-89-9	PEST	PAH	BHC gamma (lindane)	YES	YES	YES	290.83	-0.936	3.73	28.94	5.09	-0.352	Use USEPA	3.4E+02	--	3.4E-01	3.4E-01	USEPA
57-74-9	PEST	PAH	Chlordane	YES	YES	YES	409.78	-0.936	6.32	28.94	5.09	-0.352	1.5E-06	no value	6.3E-04	no value	6.3E-04	TLM
72-54-8	PEST	PAH	DDD 4,4'	no	YES	YES	320.04	-0.936	6.10	28.94	5.09	-0.352	2.5E-06	no value	7.9E-04	no value	7.9E-04	TLM
72-55-9	PEST	PAH	DDE 4,4'	YES	YES	YES	318.03	-0.936	6.76	28.94	5.09	-0.352	5.9E-07	no value	1.9E-04	no value	1.9E-04	TLM
50-29-3	PEST	PAH	DDT 4,4'	no	YES	YES	354.49	-0.936	6.53	28.94	5.09	-0.352	9.8E-07	no value	3.5E-04	no value	3.5E-04	TLM
319-86-8	PEST	PAH	delta-BHC	YES	YES	YES	290.83	-0.936	4.14	28.94	5.09	-0.352	Use USEPA	3.1E+02	--	3.1E-01	3.1E-01	USEPA
60-57-1	PEST	PAH	Dieldrin	YES	YES	no	380.91	-0.936	5.37	28.94	5.09	-0.352	Use USEPA	6.6E-02	--	6.6E-05	6.6E-05	USEPA
115-29-7	PEST	PAH	Endosulfan	YES	YES	YES	406.93	-0.936	4.10	28.94	5.09	-0.352	Use USEPA	2.1E+02	--	2.1E-01	2.1E-01	USEPA
1031-07-8	PEST	PAH	Endosulfan sulfate	no	YES	YES	422.93	-0.936	3.66	28.94	5.09	-0.352	4.7E-04	no value	2.0E-01	no value	2.0E-01	TLM
72-20-8	PEST	PAH	Endrin	YES	YES	no	380.93	-0.936	5.06	28.94	5.09	-0.352	Use USEPA	5.8E-02	--	5.8E-05	5.8E-05	USEPA
7421-93-4	PEST	PAH	Endrin aldehyde	no	YES	no	380.92	-0.936	4.78	28.94	5.09	-0.352	4.3E-05	no value	1.6E-02	no value	1.6E-02	TLM
76-44-8	PEST	PAH	Heptachlor	YES	no	no	373.32	-0.936	6.26	28.94	5.09	-0.352	1.7E-06	no value	6.5E-04	no value	6.5E-04	TLM
1024-57-3	PEST	PAH	Heptachlor epoxide	no	YES	YES	389.32	-0.936	5.00	28.94	5.09	-0.352	2.6E-05	no value	1.0E-02	no value	1.0E-02	TLM
72-43-5	PEST	PAH	Methoxychlor	no	YES	YES	345.65	-0.936	5.08	28.94	5.09	-0.352	Use USEPA	2.2E+01	--	2.2E-02	2.2E-02	USEPA
93-76-5	PEST	PAH	T 2,4,5	no	YES	no	255.48	-0.936	3.13	28.94	5.09	-0.352	1.5E-03	no value	3.8E-01	no value	3.8E-01	TLM
83-32-9	SVOC	PAH	Acenaphthene	no	YES	YES	154.21	-0.936	3.92	28.94	5.09	-0.352	Use USEPA	5.6E+01	--	5.6E-02	5.6E-02	USEPA
208-96-8	SVOC	HOC	Acenaphthylene	no	YES	YES	152.20	-0.936	3.94	28.94	10.51	-0.339	Use USEPA	3.1E+02	--	3.1E-01	3.1E-01	USEPA
98-86-2	SVOC	HOC	Acetophenone	no	YES	no	120.15	-0.936	1.58	28.94	10.51	-0.339	2.1E-02	no value	2.5E+00	no value	2.5E+00	TLM
62-53-3	SVOC	HOC	Aniline	no	YES	no	93.13	-0.936	0.90	28.94	10.51	-0.339	9.1E-02	no value	8.4E+00	no value	8.4E+00	TLM
120-12-7	SVOC	PAH	Anthracene	no	YES	YES	178.23	-0.936	4.55	28.94	5.09	-0.352	Use USEPA	2.1E+01	--	2.1E-02	2.1E-02	USEPA
56-55-3	SVOC	PAH	Benzo(a)anthracene	no	YES	YES	228.29	-0.936	5.70	28.94	5.09	-0.352	Use USEPA	2.2E+00	--	2.2E-03	2.2E-03	USEPA
50-32-8	SVOC	PAH	Benzo(a)pyrene	no	YES	YES	252.32	-0.936	6.11	28.94	5.09	-0.352	Use USEPA	9.6E-01	--	9.6E-04	9.6E-04	USEPA
205-99-2	SVOC	PAH	Benzo(b)fluoranthene	no	YES	YES	252.32	-0.936	6.20	28.94	5.09	-0.352	Use USEPA	6.8E-01	--	6.8E-04	6.8E-04	USEPA
191-24-2	SVOC	PAH	Benzo(g,h,i)perylene	no	YES	YES	276.34	-0.936	7.23	28.94	5.09	-0.352	Use USEPA	4.4E-01	--	4.4E-04	4.4E-04	USEPA
207-08-9	SVOC	PAH	Benzo(k)fluoranthene	no	YES	no	252.32	-0.936	6.20	28.94	5.09	-0.352	Use USEPA	6.4E-01	--	6.4E-04	6.4E-04	USEPA
65-85-0	SVOC	HOC	Benzoic Acid	no	YES	no	122.12	-0.936	1.86	28.94	10.51	-0.339	1.1E-02	no value	1.4E+00	no value	1.4E+00	TLM
92-52-4	SVOC	HOC	Biphenyl, 1,1-	no	YES	YES	154.21	-0.936	4.09	28.94	10.51	-0.339	Use USEPA	1.9E+02	--	1.9E-01	1.9E-01	USEPA
117-81-7	SVOC	HOC	Bis(2-Ethylhexyl)phthalate	no	YES	no	390.56	-0.936	7.30	28.94	10.51	-0.339	9.3E-08	no value	3.6E-05	no value	3.6E-05	TLM
85-68-7	SVOC	HOC	Butylbenzylphthalate	no	YES	no	312.37	-0.936	4.84	28.94	10.51	-0.339	Use USEPA	5.8E+01	--	5.8E-02	5.8E-02	USEPA
86-74-8	SVOC	HOC	Carbazole	no	YES	YES	167.21	-0.936	3.59	28.94	10.51	-0.339	2.8E-04	no value	4.6E-02	no value	4.6E-02	TLM
59-50-7	SVOC	HOC	Chloro methylphenol 4 3	no	YES	no	142.58	-0.936	3.10	28.94	10.51	-0.339	7.9E-04	no value	1.1E-01	no value	1.1E-01	TLM
89-98-5	SVOC	HOC	Chlorobenzaldehyde 2-	no	YES	YES	140.57	-0.936	2.35	28.94	10.51	-0.339	4.0E-03	no value	5.6E-01	no value	5.6E-01	TLM
2698-41-1	SVOC	HOC	Chlorobenzalmalononitrile 2-	no	YES	YES	188.62	-0.936	2.76	28.94	10.51	-0.339	1.6E-03	no value	3.1E-01	no value	3.1E-01	TLM
218-01-9	SVOC	PAH	Chrysene	no	YES	YES	228.29	-0.936	5.70	28.94	5.09	-0.352	Use USEPA	2.0E+00	--	2.0E-03	2.0E-03	USEPA
53-70-3	SVOC	PAH	Dibenz(a,h)anthracene	no	YES	no	278.35	-0.936	6.69	28.94	5.09	-0.352	Use USEPA	2.8E-01	--	2.8E-04	2.8E-04	USEPA
132-64-9	SVOC	HOC	Dibenzofuran	no	YES	YES	168.19	-0.936	4.39	28.94	10.51	-0.339	Use USEPA	1.7E+02	--	1.7E-01	1.7E-01	USEPA
84-66-2	SVOC	HOC	Diethylphthalate	no	YES	no	222.24	-0.936	2.50	28.94	10.51	-0.339	Use USEPA	6.7E+03	--	6.7E+00	6.7E+00	USEPA
131-11-3	SVOC	HOC	Dimethylphthalate	no	YES	no	194.19	-0.936	1.87	28.94	10.51	-0.339	1.1E-02	no value	2.2E+00	no value	2.2E+00	TLM
84-74-2	SVOC	HOC	Di-n-butylphthalate	no	YES	YES	278.35	-0.936	4.61	28.94	10.51	-0.339	Use USEPA	8.5E+01	--	8.5E-02	8.5E-02	USEPA
122-66-7	SVOC	HOC	Diphenylhydrazine 1,2	no	YES	no	184.24	-0.936	2.94	28.94	10.51	-0.339	1.1E-03	no value	2.1E-01	no value	2.1E-01	TLM
206-44-0	SVOC	PAH	Fluoranthene	no	YES	YES	202.26	-0.936	5.12	28.94	5.09	-0.352	Use USEPA	7.1E+00	--	7.1E-03	7.1E-03	USEPA
86-73-7	SVOC	PAH	Fluorene	no	YES	YES	166.22	-0.936	4.21	28.94	5.09	-0.352	Use USEPA	3.9E+01	--	3.9E-02	3.9E-02	USEPA
193-39-5	SVOC	PAH	Indeno(1,2,3-cd)pyrene	no	YES	YES	276.34	-0.936	6.65	28.94	5.09	-0.352	Use USEPA	2.8E-01	--	2.8E-04	2.8E-04	USEPA
119-61-9	SVOC	HOC	METHANONE, DIPHENYL-	no	YES	YES	182.22	-0.936	3.96	28.94	10.51	-0.339	1.2E-04	no value	2.3E-02	no value	2.3E-02	TLM
90-12-0	SVOC	HOC	Methylnaphthalene 1-	no	YES	YES	142.20	-0.936	3.87	28.94	10.51	-0.339	Use USEPA	7.5E+01	--	7.5E-02	7.5E-02	USEPA
91-57-6	SVOC	HOC	Methylnaphthalene 2	no	YES	YES	142.20	-0.936	3.86	28.94	10.51	-0.339	Use USEPA	7.2E+01	--	7.2E-02	7.2E-02	USEPA

M6-4A: Calculation of Water Quality Benchmarks For Equilibrium Partioning Analysis From Target Lipid Model and USEPA Narcosis Values
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Assumed Chemical Group for TLM (a)	Chemical	Chemical Detected in Media?			Molecular Weight (g/mol)	m (b)	Log (Kow) (c)	C^*_L(5%) (d)	ACR (e)	Δ c (f)	TLM Critical Aqueous Concentration (mmol/L) (g)	USEPA Narcosis SCV or FCV (µg/L) (h)	TLM Critical Aqueous Concentration (mg/L)	USEPA Narcosis SCV or FCV (mg/L)	Final Value (mg/L)	Source
				SW	SS	Sed?												
99-09-2	SVOC	HOC	Nitroaniline 3	no	YES	no	138.13	-0.936	1.37	28.94	10.51	-0.339	3.3E-02	no value	4.5E+00	no value	4.5E+00	TLM
85-01-8	SVOC	PAH	Phenanthrene	no	YES	YES	178.23	-0.936	4.46	28.94	5.09	-0.352	Use USEPA	1.9E+01	--	1.9E-02	1.9E-02	USEPA
108-95-2	SVOC	HOC	Phenol	no	YES	YES	94.11	-0.936	1.48	28.94	10.51	-0.339	2.6E-02	no value	2.4E+00	no value	2.4E+00	TLM
129-00-0	SVOC	PAH	Pyrene	no	YES	YES	202.26	-0.936	5.11	28.94	5.09	-0.352	Use USEPA	1.0E+01	--	1.0E-02	1.0E-02	USEPA
6581-06-2	SVOC	HOC	BZ (3-Quinuclidinyl benzilate)	no	YES	no	337.41	-0.936	no value	28.94	10.51	-0.339	#VALUE!	no value	--	no value	NA	
88-06-2	SVOC	HOC	Trichlorophenol 2,4,6	no	YES	no	197.45	-0.936	3.70	28.94	10.51	-0.339	2.2E-04	no value	4.3E-02	no value	4.3E-02	TLM
79-00-5	VOC	HOC	1,1,2-Trichloroethane	YES	no	no	133.40	-0.936	2.05	28.94	10.51	-0.339	7.6E-03	no value	1.0E+00	no value	1.0E+00	TLM
75-34-3	VOC	HOC	1,1-Dichloroethane	YES	no	no	98.96	-0.936	1.79	28.94	10.51	-0.339	1.3E-02	no value	1.3E+00	no value	1.3E+00	TLM
75-35-4	VOC	HOC	1,1-Dichloroethene	YES	no	no	96.94	-0.936	2.13	28.94	10.51	-0.339	6.4E-03	no value	6.2E-01	no value	6.2E-01	TLM
107-06-2	VOC	HOC	1,2-Dichloroethane	YES	YES	no	98.96	-0.936	1.47	28.94	10.51	-0.339	2.7E-02	no value	2.6E+00	no value	2.6E+00	TLM
78-87-5	VOC	HOC	1,2-Dichloropropane	YES	no	no	112.99	-0.936	1.97	28.94	10.51	-0.339	9.0E-03	no value	1.0E+00	no value	1.0E+00	TLM
78-93-3	VOC	HOC	2-Butanone	YES	YES	YES	72.11	-0.936	0.28	28.94	10.51	-0.339	3.4E-01	no value	2.5E+01	no value	2.5E+01	TLM
67-64-1	VOC	HOC	Acetone	YES	YES	YES	58.08	-0.936	-0.24	28.94	10.51	-0.339	1.1E+00	no value	6.1E+01	no value	6.1E+01	TLM
71-43-2	VOC	MHC	Benzene	YES	YES	no	78.11	-0.936	2.13	28.94	5.09	-0.109	Use USEPA	5.3E+03	--	5.3E+00	5.3E+00	USEPA
78-93-3	VOC	HOC	Butanone 2	YES	YES	YES	72.11	-0.936	0.28	28.94	10.51	-0.339	3.4E-01	no value	2.5E+01	no value	2.5E+01	TLM
104-51-8	VOC	HOC	Butylbenzene n	no	YES	no	134.22	-0.936	4.20	28.94	10.51	-0.339	7.4E-05	no value	9.9E-03	no value	9.9E-03	TLM
135-98-8	VOC	HOC	Butylbenzene sec	no	YES	no	134.22	-0.936	4.24	28.94	10.51	-0.339	6.8E-05	no value	9.1E-03	no value	9.1E-03	TLM
98-06-6	VOC	HOC	Butylbenzene tert	no	YES	no	134.22	-0.936	4.11	28.94	10.51	-0.339	9.0E-05	no value	1.2E-02	no value	1.2E-02	TLM
56-23-5	VOC	HOC	Carbon tetrachloride	YES	no	YES	153.82	-0.936	2.73	28.94	10.51	-0.339	Use USEPA	1.6E+03	--	1.6E+00	1.6E+00	USEPA
75-00-3	VOC	HOC	Chloroethane	YES	no	no	64.51	-0.936	1.43	28.94	10.51	-0.339	2.9E-02	no value	1.9E+00	no value	1.9E+00	TLM
67-66-3	VOC	HOC	Chloroform	YES	no	YES	119.38	-0.936	1.92	28.94	10.51	-0.339	1.0E-02	no value	1.2E+00	no value	1.2E+00	TLM
156-59-2	VOC	HOC	cis-1,2-Dichloroethene	YES	YES	YES	96.94	-0.936	1.86	28.94	10.51	-0.339	1.1E-02	no value	1.1E+00	no value	1.1E+00	TLM
98-82-8	VOC	HOC	Cumene	no	YES	no	120.19	-0.936	3.50	28.94	10.51	-0.339	3.4E-04	no value	4.0E-02	no value	4.0E-02	TLM
110-82-7	VOC	HOC	Cyclohexane	YES	YES	no	84.16	-0.936	3.44	28.94	10.51	-0.339	3.8E-04	no value	3.2E-02	no value	3.2E-02	TLM
108-94-1	VOC	HOC	Cyclohexanone	no	YES	no	98.14	-0.936	0.81	28.94	10.51	-0.339	1.1E-01	no value	1.1E+01	no value	1.1E+01	TLM
99-87-6	VOC	HOC	Cymene p	no	YES	no	134.22	-0.936	4.10	28.94	10.51	-0.339	9.2E-05	no value	1.2E-02	no value	1.2E-02	TLM
107-06-2	VOC	HOC	Dichloroethane 1,2	YES	YES	no	98.96	-0.936	1.47	28.94	10.51	-0.339	2.7E-02	no value	2.6E+00	no value	2.6E+00	TLM
156-59-2	VOC	HOC	Dichloroethene 1,2 cis	YES	YES	YES	96.94	-0.936	1.86	28.94	10.51	-0.339	1.1E-02	no value	1.1E+00	no value	1.1E+00	TLM
156-60-5	VOC	HOC	Dichloroethene 1,2 trans	YES	YES	no	96.94	-0.936	2.07	28.94	10.51	-0.339	7.3E-03	no value	7.1E-01	no value	7.1E-01	TLM
100-41-4	VOC	HOC	Ethyl Benzene	no	YES	YES	106.17	-0.936	3.14	28.94	10.51	-0.339	Use USEPA	7.9E+02	--	7.9E-01	7.9E-01	USEPA
591-78-6	VOC	HOC	Hexanone 2	no	YES	no	100.16	-0.936	1.38	28.94	10.51	-0.339	3.2E-02	no value	3.2E+00	no value	3.2E+00	TLM
79-20-9	VOC	HOC	Methyl acetate	YES	YES	no	74.08	-0.936	0.18	28.94	10.51	-0.339	4.3E-01	no value	3.2E+01	no value	3.2E+01	TLM
108-87-2	VOC	HOC	Methylcyclohexane	no	YES	no	98.19	-0.936	2.96	28.94	10.51	-0.339	1.1E-03	no value	1.0E-01	no value	1.0E-01	TLM
75-09-2	VOC	HOC	Methylene Chloride	no	YES	YES	84.93	-0.936	1.25	28.94	10.51	-0.339	4.3E-02	no value	3.6E+00	no value	3.6E+00	TLM
1634-04-4	VOC	HOC	Methyl-tert-butyl ether	YES	no	no	88.15	-0.936	1.24	28.94	10.51	-0.339	4.4E-02	no value	3.8E+00	no value	3.8E+00	TLM
91-20-3	VOC	HOC	Naphthalene	no	YES	no	128.17	-0.936	3.36	28.94	10.51	-0.339	Use USEPA	1.9E+02	--	1.9E-01	1.9E-01	USEPA
103-65-1	VOC	HOC	Propylbenzene n	no	YES	no	120.19	-0.936	3.68	28.94	10.51	-0.339	2.3E-04	no value	2.7E-02	no value	2.7E-02	TLM
100-42-5	VOC	HOC	Styrene	no	YES	YES	104.15	-0.936	2.94	28.94	10.51	-0.339	1.1E-03	no value	1.2E-01	no value	1.2E-01	TLM
75-65-0	VOC	HOC	t-Butyl alcohol	YES	YES	no	74.11	-0.936	0.35	28.94	10.51	-0.339	3.0E-01	no value	2.2E+01	no value	2.2E+01	TLM
127-18-4	VOC	HOC	Tetrachloroethene	YES	YES	YES	165.83	-0.936	2.67	28.94	10.51	-0.339	Use USEPA	2.0E+03	--	2.0E+00	2.0E+00	USEPA
109-99-9	VOC	HOC	Tetrahydrofuran	YES	no	no	72.11	-0.936	0.46	28.94	10.51	-0.339	2.3E-01	no value	1.7E+01	no value	1.7E+01	TLM
108-88-3	VOC	MHC	Toluene	YES	YES	no	92.14	-0.936	2.75	28.94	5.09	-0.109	Use USEPA	1.6E+03	--	1.6E+00	1.6E+00	USEPA
156-60-5	VOC	HOC	trans-1,2-Dichloroethene	YES	YES	no	96.94	-0.936	2.07	28.94	10.51	-0.339	7.3E-03	no value	7.1E-01	no value	7.1E-01	TLM
79-01-6	VOC	HOC	Trichloroethylene	YES	YES	YES	131.39	-0.936	2.71	28.94	10.51	-0.339	Use USEPA	1.4E+03	--	1.4E+00	1.4E+00	USEPA
95-63-6	VOC	HOC	Trimethylbenzene 1,2,4	no	YES	no	120.19	-0.936	3.78	28.94	10.51	-0.339	1.8E-04	no value	2.2E-02	no value	2.2E-02	TLM
108-67-8	VOC	HOC	Trimethylbenzene 1,3,5	no	YES	no	120.20	-0.936	4.00	28.94	10.51	-0.339	1.1E-04	no value	1.4E-02	no value	1.4E-02	TLM
75-01-4	VOC	HOC	Vinyl chloride	YES	YES	no	62.50	-0.936	1.50	28.94	10.51	-0.339	2.5E-02	no value	1.6E+00	no value	1.6E+00	TLM
1330-20-7	VOC	HOC	Xylenes (total)	no	YES	no	106.17	-0.936	3.17	28.94	10.51	-0.339	6.9E-04	no value	7.3E-02	no value	7.3E-02	TLM

M6-4A: Calculation of Water Quality Benchmarks For Equilibrium Partioning Analysis From Target Lipid Model and USEPA Narcosis Values
Chemtronics Site - Swannanoa, NC

CASRN	Chemical Group	Assumed Chemical Group for TLM (a)	Chemical	Chemical Detected in Media?			Molecular Weight (g/mol)	m (b)	Log (Kow) (c)	C^*_L(5%) (d)	ACR (e)	Δ c (f)	TLM Critical Aqueous Concentration (mmol/L) (g)	USEPA Narcosis SCV or FCV (µg/L) (h)	TLM Critical Aqueous Concentration (mg/L)	USEPA Narcosis SCV or FCV (mg/L)	Final Value (mg/L)	Source
				SW	SS	Sed?												

Δ c	Log of compound class correction factor (MacGrath and Di Toro 2009)
ACR	Acute to chronic ratio
BHC	Benzene hexachloride
CASRN	Chemical abstract service registry number
DDE	Dichlorodiphenyldichloroethylene
FCV	Final chronic value
HOC	Halogenated organic compounds
Log(Kow)	Octanol-water partition coefficient (L/kg)
MHC	Monoaromatic hydrocarbon compounds
mmol/L	Millimoles per liter
Narc	USEPA Narcosis SCV or FCV
NC	NC Surface Water Quality Criteria (h)
PAH	Polycyclic aromatic hydrocarbons
PEST	Pesticides
SCV	Secondary chronic value
T 2,4,5	2,4,5-Trichlorophenoxyacetic acid
TLM	Target lipid model
VOC	Volatile organic compounds

(a) Assumed chemical group for TLM approach from MacGrath and Di Toro 2009.

(b) Universal slope *m* is taken from MacGrath and Di Toro 2009. *m* = -0.94

The octanol-water partition coefficient [Log(Kow)(L/kg)] was taken from site-specific Log Kows. When the Log(Kow) was not available using that resource, it was taken from the Sparc Performs Automated Reasoning in Chemistry (SPARC), a United States Environmental Protection Agency sponsored computer program that estimates physiochemical properties for chemicals based on chemical structure.

(c) http://www.epa.gov/oppt/exposure/pubs/episuitedl.htm (Accessed December 30, 2013).

(d) C*L(5% = 28.94 (McGrath and Di Toro, 2009)

(e) As determined from McGrath and Di Toro (2009):

For HOC, ACR = 10.51

For PAHs, MHC, and other compounds, ACR = 5.09

(f) As determined from McGrath and Di Toro (2009):

For HOC, Δ c = -0.339

For MHC, Δ c = -0.109

For PAHs, Δ c = -0.352

For pesticides, the Δ c for PAHs was used as a conservative approach.

(g) Formula for calculating equilibrium partitioning benchmarks for target lipid compounds was based on the equation presented in McGrath and Di Toro (2009):

$$log(C*w,5\%.chronic) = m\,log(Kow) + log\left(C*\frac{L(5\%)}{ACR}\right) + \Delta c - Log(2)$$

(h) Narcosis SCVs were taken from either the USEPA 2008 Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms Compendium of Tier 2 Values for Nonionic Organics, USEPA 2003 Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: PAH Mixtures, USEPA 2003 Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: Dieldrin, or USEPA 2003 Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: Endrin.

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

					Sample ID	BTW 1-P44		BTW 1-P44		BTW 1-P44		BTW 1-P44		BTW 1-P45		BTW 1-P45		BTW 1-P45		BTW 2A-T35		BTW 2
					Sample Date	6/12/2007		8/6/2008		3/15/2010		10/24/2011		8/6/2008		3/15/2010		10/24/2011		8/6/2008		3/15/
						SW Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**Chemical Group**	**CEC**	**Source**	**Dissolved /Total**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	PEST	1.89E-04	TLM	D	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
4,4'-DDE	72-55-9	PEST	1.89E-04	TLM	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Aldrin	309-00-2	PEST	3.80E-04	TLM	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
beta-BHC	319-85-7	PEST	3.10E-01	USEPA	D	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
beta-BHC	319-85-7	PEST	3.10E-01	USEPA	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Chlordane (total)	57-74-9	PEST	6.29E-04	TLM	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
delta-BHC	319-86-8	PEST	3.10E-01	USEPA	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Dieldrin	60-57-1	PEST	6.59E-05	USEPA	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Endosulfan	115-29-7	PEST	2.10E-01	USEPA	D	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Endrin	72-20-8	PEST	5.81E-05	USEPA	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Heptachlor	76-44-8	PEST	6.52E-04	TLM	D	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Heptachlor	76-44-8	PEST	6.52E-04	TLM	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Lindane	58-89-9	PEST	3.40E-01	USEPA	D	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Lindane	58-89-9	PEST	3.40E-01	USEPA	T	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:							0		0		0		0		0		0		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	VOC	1.01E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	VOC	1.32E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	VOC	6.20E-01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	VOC	2.63E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloropropane	78-87-5	VOC	1.02E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	VOC	2.49E+01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	VOC	6.15E+01	TLM	T	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND
Benzene	71-43-2	VOC	5.30E+00	USEPA	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	VOC	1.60E+00	USEPA	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	VOC	1.87E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	VOC	1.20E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	VOC	1.11E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Cyclohexane	110-82-7	VOC	3.20E-02	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	VOC	3.17E+01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	VOC	3.84E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	VOC	2.20E+01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	VOC	2.00E+00	USEPA	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	VOC	1.69E+01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	VOC	1.60E+00	USEPA	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	VOC	7.06E-01	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	VOC	1.40E+00	USEPA	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Vinyl chloride	75-01-4	VOC	1.56E+00	TLM	T	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:							0		0		0		0		0		0		0		0	
Summed TUs (Pesticide and VOCs) by Sample ID:							0		0		0		0		0		0		0		0	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		2A-T35	BTW 2A-T35		BTW 2-S35		BTW 2-S35		BTW 2-S35		BTW 2-S35		BTW 3-U30		BTW 3-U30		BTW 3-U30		BTW 3-U30		BTW_1A-Q39	
		2010	10/25/2011		6/12/2007		8/6/2008		3/15/2010		10/25/2011		6/12/2007		8/6/2008		3/15/2010		10/25/2011		8/6/2008	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Aldrin	309-00-2	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Chlordane (total)	57-74-9	--	NS	--	ND	--	ND	--	ND	--	NS	--	0.000015	2.38E-02	ND	--	ND	--	NS	--	ND	--
delta-BHC	319-86-8	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Dieldrin	60-57-1	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Lindane	58-89-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		0		0		0		0		0		2.38E-02		0		0		0		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	ND	--	ND	--	ND	--	0.0005	1.90E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	ND	--	0.0044	2.00E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		0		0		0		0		3.90E-04		0		0		0		0		0		0
Summed TUs (Pesticide and VOCs) by S		0		0		0		0		0.0004		0		0.02		0		0		0		0

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		3054		3055		GBW 1A-R33		GBW 1A-R33		GBW 1A-R33		GBW 1A-R33		GBW 1B-Q29		GBW 1B-Q29		GBW 1B-Q29		GBW 1B-Q29		GBW 1
		12/15/2011		12/15/2011		6/11/2007		8/7/2008		5/7/2009		3/15/2010		6/11/2007		8/7/2008		5/7/2009		3/16/2010		8/7/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS
4,4'-DDE	72-55-9	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS
beta-BHC	319-85-7	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS
Endrin	72-20-8	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS
Heptachlor	76-44-8	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS
Lindane	58-89-9	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		0		0		0		0		0		0		0		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	NS	--	NS	--	ND	--	ND	--	0.0002	7.61E-05	7.00E-04	2.66E-04	ND	--	ND	--	0.0004	1.52E-04	1.10E-03	4.19E-04	ND
1,2-Dichloropropane	78-87-5	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	ND	--	NS
Benzene	71-43-2	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Cyclohexane	110-82-7	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0001	2.60E-05	1.00E-04	2.60E-05	ND
t-Butyl alcohol	75-65-0	NS	--	NS	--	ND	--	ND	--	ND	--	4.30E-03	1.96E-04	ND	--	ND	--	ND	--	4.90E-03	2.23E-04	ND
Tetrachloroethylene	127-18-4	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	7.14E-05	ND
Vinyl chloride	75-01-4	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			0		0		0		0		7.61E-05		4.62E-04		0		0		1.78E-04		7.39E-04	
Summed TUs (Pesticide and VOCs) by S			0		0		0		0		0.00008		0.0005		0		0		0.0002		0.0007	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		.B-R31	GBW 1B-R31		GBW 1B-R31		GBW 1B-R31		GBW 1C-Q28		GBW 1C-Q28		GBW 1C-Q28		GBW 1C-Q29		GBW 1C-Q29		GBW 1C-Q29		GBW 1D-O28	
		2008	5/7/2009		5/7/2009		3/16/2010		6/11/2007		5/7/2009		3/16/2010		8/7/2008		5/7/2009		3/16/2010		5/7/2009	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	ND	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	--	ND	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--
beta-BHC	319-85-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	--	ND	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor	76-44-8	--	ND	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Lindane	58-89-9	--	ND	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--
Lindane	58-89-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		0		0		0		0		0		0		0		0		0		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	2.00E-04	7.61E-05	3.00E-04	1.14E-04	1.00E-03	3.81E-04	ND	--	2.00E-04	7.61E-05	1.00E-03	3.81E-04	ND	--	ND	--	5.00E-04	1.90E-04	2.00E-04	7.61E-05
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	3.10E-03	5.04E-05	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND	--	3.10E-03	5.04E-05
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	ND	--	ND	--	2.00E-04	1.80E-04	6.00E-04	5.40E-04	ND	--	1.00E-04	9.01E-05	3.00E-04	2.70E-04	4.00E-04	3.60E-04
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	1.00E-04	2.60E-05	ND	--	3.00E-04	7.81E-05	3.00E-04	7.81E-05	ND	--	2.00E-04	5.21E-05	2.00E-04	5.21E-05	3.00E-04	7.81E-05
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	5.30E-03	2.41E-04	ND	--	1.50E-02	6.82E-04	1.50E-02	6.82E-04	ND	--	9.80E-03	4.46E-04	8.80E-03	4.00E-04	2.20E-02	1.00E-03
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	ND	--	ND	--	ND	--	3.00E-04	2.14E-04	5.00E-04	3.57E-04	2.50E-03	1.79E-03	ND	--	2.00E-04	1.43E-04	9.00E-04	6.43E-04	1.00E-03	7.14E-04
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		0		1.27E-04		1.14E-04		6.48E-04		2.14E-04		1.37E-03		3.47E-03		0		7.31E-04		1.56E-03		2.28E-03
Summed TUs (Pesticide and VOCs) by S		0		0.0001		0.0001		0.0006		0.0002		0.001		0.003		0		0.0007		0.002		0.002

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		GBW 1D-O28		GBW 1D-Q29		GBW 1D-Q29		GBW 1D-Q29		GBW 1D-Q29		GBW 1D-Q29		GBW 1E-N28		GBW 1E-N28		GBW 1E-Q27		GBW 1E-Q27		GBW 1
		3/16/2010		6/11/2007		8/8/2008		8/8/2008		5/7/2009		3/16/2010		5/7/2009		3/16/2010		8/8/2008		5/7/2009		3/16/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	7.20E-06	2.32E-05	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.000015
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS
Endrin	72-20-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS
Heptachlor	76-44-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		0		0		0		0		0		2.32E-05		0		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	1.20E-03	4.57E-04	ND	--	ND	--	ND	--	4.00E-04	1.52E-04	8.00E-04	3.05E-04	3.00E-04	1.14E-04	2.00E-03	7.61E-04	ND	--	5.00E-04	1.90E-04	9.00E-04
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	ND	--	NS	--	NS	--	NS	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	1.89E-05	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	9.00E-04	8.11E-04	ND	--	ND	--	ND	--	ND	--	ND	--	7.00E-04	6.31E-04	2.00E-03	1.80E-03	ND	--	ND	--	ND
Cyclohexane	110-82-7	1.00E-04	3.13E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	3.00E-04	9.38E-03	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	3.00E-04	7.81E-05	ND	--	ND	--	ND	--	ND	--	ND	--	4.00E-04	1.04E-04	4.00E-04	1.04E-04	ND	--	ND	--	1.00E-04
t-Butyl alcohol	75-65-0	2.50E-02	1.14E-03	ND	--	ND	--	ND	--	4.30E-03	1.96E-04	ND	--	2.90E-02	1.32E-03	4.10E-02	1.86E-03	ND	--	4.20E-03	1.91E-04	ND
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.20E-03	1.30E-04	ND	--	ND	--	ND
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	3.70E-03	2.64E-03	ND	--	ND	--	ND	--	ND	--	ND	--	1.90E-03	1.36E-03	8.30E-03	5.93E-03	ND	--	ND	--	ND
Vinyl chloride	75-01-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			8.25E-03		0		0		0		3.48E-04		3.05E-04		3.53E-03		2.00E-02		0		3.81E-04	
Summed TUs (Pesticide and VOCs) by S			0.008		0		0		0		0.0003		0.0003		0.004		0.02		0		0.0004	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		.E-Q27	GBW 1F-P26		GBW 1F-P26		GBW 1F-P26		GBW 1-S35		GBW 1-S35		GBW 1-S35		GBW 1-S35		GBW 1-S35		GBW 2A-L26		GBW 2A-L26	
		2010	8/8/2008		5/7/2009		3/17/2010		6/12/2007		8/6/2008		5/7/2009		3/15/2010		10/25/2011		5/7/2009		3/16/2010	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
beta-BHC	319-85-7	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.000017	5.48E-05	ND	--	NS	--	0.0000074	2.39E-05	ND	--
Chlordane (total)	57-74-9	2.38E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0000044	6.68E-02	ND	--	NS	--	ND	--	ND	--
Endosulfan	115-29-7	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
Heptachlor	76-44-8	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
Lindane	58-89-9	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		2.38E-02		0		0		0		0		0		6.68E-02		0		0		2.39E-05		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	3.43E-04	ND	--	5.00E-04	1.90E-04	1.60E-03	6.09E-04	ND	--	ND	--	2.00E-04	7.61E-05	5.00E-04	1.90E-04	ND	--	3.00E-04	1.14E-04	2.00E-04	7.61E-05
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	NS	--	3.50E-03	5.70E-05	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	3.60E-03	5.86E-05	ND	--
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.10E-03	9.91E-04	1.00E-03	9.01E-04
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	2.60E-05	ND	--	ND	--	2.00E-04	5.21E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	6.20E-03	2.82E-04	ND	--	ND	--	ND	--	4.30E-03	1.96E-04	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	7.00E-04	5.00E-04	5.00E-04	3.57E-04
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		3.69E-04		0		2.47E-04		9.43E-04		0		0		7.61E-05		3.86E-04		0		1.66E-03		1.33E-03
Summed TUs (Pesticide and VOCs) by S		0.02		0		0.0002		0.0009		0		0		0.07		0.0004		0		0.002		0.001

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		GBW 2A-L26		GBW 2A-O25		GBW 2A-O25		GBW 2A-O25		GBW 2B-L26		GBW 2B-L26		GBW 2B-P25		GBW 2B-P25		GBW 2B-P25		GBW 2C-P25		GBW 2
		10/26/2011		8/8/2008		5/7/2009		3/17/2010		5/7/2009		3/16/2010		8/8/2008		5/7/2009		3/17/2010		8/8/2008		5/7/2
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND
4,4'-DDE	72-55-9	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	0.0000066	2.13E-05	NS	--	NS	--	ND
beta-BHC	319-85-7	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND
Endrin	72-20-8	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND
Heptachlor	76-44-8	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND
Lindane	58-89-9	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		0		0		0		0		0		0		2.13E-05		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	ND	--	1.00E-04	3.81E-05	3.80E-03	1.45E-03	7.10E-03	2.70E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	2.00E-04	1.96E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	NS	--	3.30E-03	5.37E-05	ND	--	NS	--	ND
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	ND	--	ND	--	ND	--	1.00E-04	8.32E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	2.00E-04	1.80E-04	1.00E-04	9.01E-05	2.00E-04	1.80E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Cyclohexane	110-82-7	ND	--	ND	--	ND	--	2.00E-04	6.25E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	ND	--	1.00E-04	2.60E-05	9.00E-04	2.34E-04	6.00E-04	1.56E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	ND	--	ND	--	3.80E-02	1.73E-03	3.00E-02	1.36E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	2.30E-03	1.36E-04	3.30E-03	1.96E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	ND	--	ND	--	3.00E-04	2.14E-04	4.00E-04	2.86E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Vinyl chloride	75-01-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			0		6.41E-05		3.94E-03		1.13E-02		1.80E-04		0		0		5.37E-05		0		0	
Summed TUs (Pesticide and VOCs) by S			0		0.00006		0.004		0.01		0.0002		0		0		0.00007		0		0	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		2C-P25	GBW 2C-P25		GBW 2D-O25		GBW 2D-O25		GBW 2D-O25		GBW 2D-O25		GBW 2-M27		GBW 2-M27		GBW 2-M27		GBW 2-M27		GBW 3-L27	
		2009	3/17/2010		8/8/2008		5/7/2009		3/17/2010		10/26/2011		6/11/2007		5/7/2009		3/16/2010		10/26/2011		4/7/2010	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Chlordane (total)	57-74-9	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	3.70E-06	1.19E-05
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Lindane	58-89-9	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		0		0		0		0		0		0		0		0		0		1.19E-05
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	ND	--	4.00E-04	1.52E-04	5.70E-03	2.17E-03	1.10E-02	4.19E-03	2.90E-03	1.10E-03	ND	--	4.00E-04	1.52E-04	3.70E-03	1.41E-03	3.00E-04	1.14E-04	ND	--
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	1.00E-04	9.80E-05	4.00E-04	3.92E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--
Benzene	71-43-2	--	ND	--	ND	--	1.00E-04	1.89E-05	2.00E-04	3.77E-05	3.00E-04	5.66E-05	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	2.00E-04	1.66E-04	2.00E-04	1.66E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	2.00E-04	1.80E-04	2.00E-04	1.80E-04	5.00E-04	4.50E-04	3.20E-03	2.88E-03	4.80E-03	4.32E-03	6.60E-03	5.94E-03	2.40E-02	2.16E-02	ND	--
Cyclohexane	110-82-7	--	ND	--	ND	--	1.00E-04	3.13E-03	5.00E-04	1.56E-02	3.00E-04	9.38E-03	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	3.00E-04	7.81E-05	9.00E-04	2.34E-04	7.00E-04	1.82E-04	1.80E-03	4.69E-04	ND	--	ND	--	ND	--	1.00E-04	2.60E-05	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	7.80E-03	3.55E-04	4.40E-02	2.00E-03	4.00E-02	1.82E-03	1.60E-01	7.28E-03	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	4.00E-03	2.37E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	1.42E-04	ND	--
Trichloroethylene	79-01-6	--	ND	--	1.00E-04	7.14E-05	6.00E-04	4.29E-04	7.00E-04	5.00E-04	7.00E-04	5.00E-04	3.30E-03	2.36E-03	1.50E-02	1.07E-02	2.00E-02	1.43E-02	4.30E-02	3.07E-02	ND	--
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.00E-04	1.29E-04	ND	--	ND	--	3.00E-04	1.93E-04	ND	--
Sum of VOC TUs by Sample ID:		0		0		6.57E-04		8.42E-03		2.33E-02		1.92E-02		5.37E-03		1.52E-02		2.16E-02		5.28E-02		0
Summed TUs (Pesticide and VOCs) by S		0		0		0.0007		0.008		0.02		0.02		0.005		0.02		0.02		0.05		0.00001

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		GBW 3-N24		GBW 3-N24		GBW 3-N24		GBW 3-O25		GBW 3-O25		GBW 3-O25		GBW 3-O25		GBW 3-O25		GBW 3-Q23		GBW 3-Q23		GBW
		8/8/2008		5/7/2009		3/17/2010		6/12/2007		8/11/2008		5/7/2009		5/7/2009		3/17/2010		8/11/2008		5/7/2009		3/17/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	NS
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	NS
beta-BHC	319-85-7	ND	--	4.70E-06	1.52E-05	ND	--	ND	--	6.20E-06	2.00E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	ND	--	3.10E-06	1.00E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	NS
Endrin	72-20-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	NS
Heptachlor	76-44-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS	--	ND	--	NS
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		2.52E-05		0		0		2.00E-05		0		0		0		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	ND	--	2.00E-04	7.61E-05	2.00E-04	7.61E-05	2.20E-03	8.38E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Cyclohexane	110-82-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	ND	--	ND	--	ND	--	6.00E-04	1.56E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	ND	--	ND	--	ND	--	2.50E-02	1.14E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	2.00E-04	1.43E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Vinyl chloride	75-01-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			0		7.61E-05		7.61E-05		2.27E-03		0		0		0		0		0		0	
Summed TUs (Pesticide and VOCs) by S			0		0.0001		0.00008		0.002		0.00002		0		0		0		0		0	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		3-Q23	GBW 4-N23		GBW 4-N23		GBW 4-N23		GBW 4-O23		GBW 4-O23		GBW 4-R21		GBW 4-R21		GBW 4-R21		GBW 5-R20		GBW 5-R20	
		2010	8/8/2008		5/7/2009		3/17/2010		5/7/2009		3/17/2010		8/11/2008		5/7/2009		3/17/2010		8/11/2008		5/7/2009	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--
beta-BHC	319-85-7	--	ND	--	0.0000095	3.06E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--
Heptachlor	76-44-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Lindane	58-89-9	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--
Lindane	58-89-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		0		3.06E-05		0		0		0		0		0		0		0		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	NS	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		0		0		0		0		0		0		0		0		0		0		0
Summed TUs (Pesticide and VOCs) by S		0		0		0.00003		0		0		0		0		0		0		0		0

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		GBW 5-R20		GBW 6-R20		GBW 6-R20		POND 1W-O43		POND 1W-O43		POND 1W-O43		POND 2W-P39		POND 2W-P39		POND 2W-P39		POND 3W-S35		POND
		3/17/2010		5/7/2009		3/17/2010		6/12/2007		8/6/2008		3/22/2010		6/12/2007		8/6/2008		3/22/2010		6/12/2007		8/6/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Endrin	72-20-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Heptachlor	76-44-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		0		0		0		0		0		0		0		0		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	ND	--	ND	--	ND	--	3.40E-03	5.53E-05	NS	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	3.00E-04	2.50E-04	2.00E-04	1.66E-04	ND	--	7.00E-04	5.83E-04	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	3.00E-04	2.70E-04	ND	--	ND	--	7.00E-04	6.31E-04	ND	--	ND
Cyclohexane	110-82-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	4.00E-04	1.26E-05	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	5.00E-05	ND	--	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	6.25E-05	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	ND	--	ND	--	3.00E-04	2.14E-04	3.00E-04	2.14E-04	2.00E-04	1.43E-04	9.00E-04	6.43E-04	ND	--	ND
Vinyl chloride	75-01-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			0		0		0		5.53E-05		0		7.47E-04		3.81E-04		1.43E-04		1.91E-03		6.25E-05	
Summed TUs (Pesticide and VOCs) by S			0		0		0		0.00006		0		0.0007		0.0004		0.0001		0.002		0.00006	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		3W-S35	POND 3W-S35		UBW 1A-M42		UBW 1A-M42		UBW 1A-M42		UBW 1B-L42		UBW 1B-L42		UBW 1B-L42		UBW 1-O44		UBW 1-O44		UBW 1-O44	
		2008	3/22/2010		6/12/2007		5/7/2009		3/15/2010		8/6/2008		5/7/2009		3/15/2010		6/15/2007		5/7/2009		3/15/2010	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	ND	--	NS	--	NS	--	4.00E-06	1.29E-05	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	--	ND	--	ND	--	4.90E-06	1.58E-05	ND	--	7.20E-06	2.32E-05	ND	--	ND	--	ND	--	9.10E-06	2.94E-05	ND	--
Chlordane (total)	57-74-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	ND	--	NS	--	NS	--	7.60E-06	1.17E-02	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	4.00E-06	6.13E-03	ND	--	ND	--	ND	--	ND	--	ND	--	4.00E-06	6.13E-03	ND	--	ND	--
Lindane	58-89-9	--	NS	--	NS	--	ND	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		0		6.13E-03		1.58E-05		0		2.32E-05		1.17E-02		0		6.13E-03		2.94E-05		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	ND	--	ND	--	5.00E-04	1.90E-04	7.00E-04	2.66E-04	ND	--	6.00E-04	2.28E-04	9.00E-04	3.43E-04	ND	--	3.00E-04	1.14E-04	3.00E-04	1.14E-04
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	NS	--	ND	--	ND	--
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	5.00E-04	4.16E-04	2.30E-03	1.91E-03	7.10E-03	5.91E-03	ND	--	3.20E-03	2.66E-03	9.50E-03	7.91E-03	2.00E-04	1.66E-04	8.00E-04	6.66E-04	2.60E-03	2.16E-03
cis-1,2-Dichloroethene	156-59-2	--	ND	--	ND	--	1.00E-04	9.01E-05	3.00E-04	2.70E-04	ND	--	2.00E-04	1.80E-04	4.00E-04	3.60E-04	ND	--	ND	--	ND	--
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	2.00E-04	1.00E-04	1.00E-03	5.00E-04	ND	--	4.00E-04	2.00E-04	1.40E-03	7.00E-04	ND	--	ND	--	3.00E-04	1.50E-04
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	ND	--	1.00E-04	7.14E-05	7.00E-04	5.00E-04	2.60E-03	1.86E-03	ND	--	9.00E-04	6.43E-04	3.70E-03	2.64E-03	ND	--	2.00E-04	1.43E-04	8.00E-04	5.71E-04
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		0		0		4.88E-04		2.79E-03		8.80E-03		0		3.92E-03		1.20E-02		1.66E-04		9.23E-04		3.00E-03
Summed TUs (Pesticide and VOCs) by S		0		0		0.007		0.003		0.009		0.00002		0.02		0.01		0.006		0.001		0.003

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		UBW 1-O44		UBW 2A-L40		UBW 2A-L40		UBW 2A-L40		UBW 2-L41		UBW 2-L41		UBW 2-L41		UBW 2-L41		UBW 2-L41		UBW 2-L41		UBW 3
		10/24/2011		8/7/2008		5/7/2009		3/15/2010		6/12/2007		8/6/2008		8/6/2008		5/7/2009		5/7/2009		3/15/2010		8/7/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	4.70E-06	2.48E-02	ND	--	NS	--	NS
4,4'-DDE	72-55-9	NS	--	ND	--	5.20E-06	2.75E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Aldrin	309-00-2	NS	--	1.10E-05	2.89E-02	ND	--	6.40E-06	1.68E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	3.90E-05
beta-BHC	319-85-7	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	5.50E-06	1.77E-05	ND	--	NS	--	NS
beta-BHC	319-85-7	NS	--	ND	--	1.30E-05	4.19E-05	ND	--	ND	--	4.00E-06	1.29E-05	4.80E-06	1.55E-05	ND	--	ND	--	ND	--	1.30E-05
Chlordane (total)	57-74-9	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	NS	--	ND	--	5.30E-06	8.04E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	ND	--	NS	--	NS
Endrin	72-20-8	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Heptachlor	76-44-8	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	6.10E-06	9.35E-03	ND	--	NS	--	NS
Heptachlor	76-44-8	NS	--	ND	--	4.20E-06	6.44E-03	ND	--	1.20E-05	1.84E-02	ND	--	6.30E-06	9.66E-03	ND	--	4.00E-06	6.13E-03	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	ND	--	4.90E-06	1.44E-05	NS	--	NS
Lindane	58-89-9	NS	--	2.10E-06	6.18E-06	8.80E-06	2.59E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			0		2.89E-02		1.14E-01		1.68E-02		1.84E-02		1.29E-05		9.67E-03		3.42E-02		6.15E-03		0	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	ND	--	ND	--	1.50E-03	5.71E-04	2.20E-03	8.38E-04	3.00E-04	1.14E-04	ND	--	ND	--	1.10E-03	4.19E-04	1.20E-03	4.57E-04	1.50E-03	5.71E-04	4.00E-04
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	NS	--	3.00E-03	4.88E-05	ND	--	ND	--	NS
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	6.25E-05	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	ND	--	1.40E-03	1.17E-03	5.00E-03	4.16E-03	8.80E-03	7.32E-03	1.10E-02	9.16E-03	9.70E-03	8.07E-03	9.50E-03	7.91E-03	8.00E-03	6.66E-03	7.90E-03	6.58E-03	1.70E-02	1.42E-02	ND
cis-1,2-Dichloroethene	156-59-2	ND	--	2.00E-04	1.80E-04	5.00E-04	4.50E-04	2.00E-04	1.80E-04	6.00E-04	5.40E-04	5.00E-04	4.50E-04	5.00E-04	4.50E-04	5.00E-04	4.50E-04	6.00E-04	5.40E-04	7.00E-04	6.31E-04	ND
Cyclohexane	110-82-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	ND	--	1.00E-04	5.00E-05	5.00E-04	2.50E-04	8.00E-04	4.00E-04	1.20E-03	6.00E-04	1.20E-03	6.00E-04	1.20E-03	6.00E-04	1.00E-03	5.00E-04	1.00E-03	5.00E-04	2.70E-03	1.35E-03	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	6.25E-05	1.00E-04	6.25E-05	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Trichloroethylene	79-01-6	ND	--	5.00E-04	3.57E-04	2.30E-03	1.64E-03	3.40E-03	2.43E-03	3.10E-03	2.21E-03	2.90E-03	2.07E-03	2.80E-03	2.00E-03	2.70E-03	1.93E-03	2.60E-03	1.86E-03	7.50E-03	5.36E-03	ND
Vinyl chloride	75-01-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			0		1.75E-03		7.08E-03		1.12E-02		1.26E-02		1.13E-02		1.10E-02		1.00E-02		9.93E-03		2.21E-02	
Summed TUs (Pesticide and VOCs) by S			0		0.03		0.1		0.03		0.03		0.01		0.02		0.04		0.02		0.02	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		3A-J38	UBW 3A-J38		UBW 3A-J38		UBW 3A-J38		UBW 3-K39		UBW 3-K39		UBW 3-K39		UBW 3-K39		UBW 4-I37		UBW 4-I37		UBW 4-I37	
		2008	5/7/2009		3/15/2010		10/24/2011		6/12/2007		8/7/2008		5/7/2009		3/15/2010		6/12/2007		8/7/2008		5/7/2009	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aldrin	309-00-2	1.03E-01	ND	--	1.30E-05	3.42E-02	NS	--	ND	--	3.00E-05	7.89E-02	ND	--	9.30E-06	2.45E-02	ND	--	3.70E-05	9.73E-02	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	4.19E-05	1.10E-05	3.55E-05	ND	--	NS	--	ND	--	1.20E-05	3.87E-05	1.20E-05	3.87E-05	ND	--	ND	--	1.80E-05	5.81E-05	6.10E-06	1.97E-05
Chlordane (total)	57-74-9	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dieldrin	60-57-1	--	5.30E-06	8.04E-02	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	ND	--	NS	--	7.00E-06	1.07E-02	ND	--	ND	--	ND	--	ND	--	8.70E-06	1.33E-02	ND	--
Lindane	58-89-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		1.03E-01		8.05E-02		3.42E-02		0		1.07E-02		7.90E-02		3.87E-05		2.45E-02		0		1.11E-01		1.97E-05
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.00E-04	1.52E-04	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	1.52E-04	5.20E-03	1.98E-03	6.80E-03	2.59E-03	1.30E-03	4.95E-04	6.00E-04	2.28E-04	1.00E-04	3.81E-05	3.30E-03	1.26E-03	4.20E-03	1.60E-03	3.20E-02	1.22E-02	5.60E-03	2.13E-03	1.10E-02	4.19E-03
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--	3.30E-03	5.37E-05
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	1.00E-04	8.32E-05	ND	--	1.40E-02	1.17E-02	5.00E-04	4.16E-04	2.00E-04	1.66E-04	7.00E-04	5.83E-04	2.00E-04	1.66E-04	ND	--	2.00E-04	1.66E-04
cis-1,2-Dichloroethene	156-59-2	--	9.00E-04	8.11E-04	8.00E-04	7.21E-04	3.00E-04	2.70E-04	ND	--	ND	--	5.00E-04	4.50E-04	5.00E-04	4.50E-04	1.00E-03	9.01E-04	5.00E-04	4.50E-04	2.30E-03	2.07E-03
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	9.00E-04	2.81E-02	1.00E-04	3.13E-03	2.00E-04	6.25E-03
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	1.30E-02	5.91E-04	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	1.00E-03	5.00E-04	2.00E-03	1.00E-03	3.00E-04	1.50E-04	3.00E-04	1.50E-04	ND	--	5.00E-04	2.50E-04	1.10E-03	5.50E-04	1.60E-03	8.00E-04	3.00E-04	1.50E-04	2.70E-03	1.35E-03
Tetrahydrofuran	109-99-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	156-60-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	--	5.10E-03	3.64E-03	7.10E-03	5.07E-03	1.00E-03	7.14E-04	1.90E-03	1.36E-03	1.00E-04	7.14E-05	2.50E-03	1.79E-03	3.90E-03	2.79E-03	2.70E-03	1.93E-03	9.00E-04	6.43E-04	1.40E-02	1.00E-02
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		1.52E-04		6.93E-03		9.46E-03		1.63E-03		1.34E-02		5.26E-04		3.91E-03		5.97E-03		4.48E-02		6.50E-03		2.41E-02
Summed TUs (Pesticide and VOCs) by S		0.1		0.09		0.04		0.002		0.02		0.08		0.004		0.03		0.04		0.1		0.02

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		UBW 4-I37		UBW 4-I37		UBW 5A-H37		UBW 5A-H37		UBW 5B-G37		UBW 5B-G37		UBW 5C-G37		UBW 5C-G37		UBW 5D-F37		UBW 5D-F37		UBW
		3/15/2010		10/24/2011		5/7/2009		3/15/2010		5/7/2009		3/16/2010		5/7/2009		3/16/2010		5/7/2009		3/16/2010		6/12/
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**
Pesticides																						
4,4'-DDE	72-55-9	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS
4,4'-DDE	72-55-9	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	4.50E-06	2.38E-02	ND	--	ND
Aldrin	309-00-2	1.20E-05	3.16E-02	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
beta-BHC	319-85-7	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	5.40E-06	1.74E-05	NS	--	NS	--	NS	--	NS
beta-BHC	319-85-7	ND	--	NS	--	ND	--	ND	--	6.70E-06	2.16E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chlordane (total)	57-74-9	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
delta-BHC	319-86-8	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Dieldrin	60-57-1	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	4.90E-06	7.44E-02	ND	--	ND
Endosulfan	115-29-7	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	7.20E-06	3.43E-05	NS	--	NS	--	NS	--	NS
Endrin	72-20-8	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.10E-05	3.62E-01	ND
Heptachlor	76-44-8	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS
Heptachlor	76-44-8	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Lindane	58-89-9	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	ND	--	NS	--	NS	--	NS	--	NS
Lindane	58-89-9	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Sum of Pesticide TUs by Sample ID:			3.16E-02		0		0		0		2.16E-05		0		5.17E-05		0		9.82E-02		3.62E-01	
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethane	75-34-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,1-Dichloroethene	75-35-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloroethane	107-06-2	1.50E-02	5.71E-03	8.70E-03	3.31E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Acetone	67-64-1	ND	--	ND	--	ND	--	ND	--	3.60E-03	5.86E-05	ND	--	5.00E-03	8.14E-05	ND	--	ND	--	ND	--	ND
Benzene	71-43-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroethane	75-00-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Chloroform	67-66-3	3.00E-04	2.50E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
cis-1,2-Dichloroethene	156-59-2	1.90E-03	1.71E-03	2.30E-03	2.07E-03	5.80E-03	5.22E-03	9.30E-03	8.38E-03	1.40E-02	1.26E-02	2.30E-02	2.07E-02	1.30E-03	1.17E-03	1.40E-03	1.26E-03	7.50E-03	6.76E-03	1.00E-02	9.01E-03	3.50E-03
Cyclohexane	110-82-7	2.00E-04	6.25E-03	3.00E-04	9.38E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Methyl-tert-butyl ether	1634-04-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
t-Butyl alcohol	75-65-0	4.70E-03	2.14E-04	5.00E-03	2.27E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrachloroethylene	127-18-4	4.90E-03	2.45E-03	2.10E-03	1.05E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	9.20E-03
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND
trans-1,2-Dichloroethene	156-60-5	ND	--	ND	--	ND	--	ND	--	1.00E-04	1.42E-04	6.00E-04	8.50E-04	ND	--	ND	--	ND	--	2.00E-04	2.83E-04	1.00E-04
Trichloroethylene	79-01-6	1.80E-02	1.29E-02	5.90E-03	4.21E-03	2.40E-02	1.71E-02	2.50E-02	1.79E-02	1.80E-02	1.29E-02	2.10E-02	1.50E-02	1.60E-03	1.14E-03	1.60E-03	1.14E-03	9.00E-03	6.43E-03	9.10E-03	6.50E-03	2.90E-02
Vinyl chloride	75-01-4	ND	--	1.00E-04	6.43E-05	ND	--	ND	--	1.00E-04	6.43E-05	2.00E-04	1.29E-04	ND	--	ND	--	ND	--	ND	--	ND
Sum of VOC TUs by Sample ID:			2.94E-02		2.03E-02		2.24E-02		2.62E-02		2.57E-02		3.67E-02		2.40E-03		2.40E-03		1.32E-02		1.58E-02	
Summed TUs (Pesticide and VOCs) by S			0.06		0.02		0.02		0.03		0.03		0.04		0.002		0.002		0.1		0.4	

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		5-I37	UBW 5-I37		UBW 5-I37		UBW 5-I37		UBW 5-I37		UBW 6A-I36		UBW 6A-I36		UBW 6B-H36		UBW 6B-H36		UBW 6C-H35		UBW 6C-H35	
		2007	8/7/2008		5/7/2009		3/15/2010		10/24/2011		5/7/2009		3/16/2010		5/7/2009		3/16/2010		5/7/2009		3/17/2010	
		TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides																						
4,4'-DDE	72-55-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aldrin	309-00-2	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	--	ND	--	5.50E-06	1.77E-05	ND	--	NS	--	7.50E-06	2.42E-05	ND	--	5.70E-06	1.84E-05	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dieldrin	60-57-1	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor	76-44-8	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	--	ND	--	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Lindane	58-89-9	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	--	2.80E-06	8.24E-06	ND	--	ND	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:		0		8.24E-06		1.77E-05		0		0		2.42E-05		0		1.84E-05		0		0		0
Volatile Organic Carbons																						
1,1,2-Trichloroethane	79-00-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloropropane	78-87-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	--	NS	--	ND	--	ND	--	ND	--	ND	--	ND	--	3.50E-03	5.70E-05	ND	--	ND	--	ND	--
Benzene	71-43-2	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	3.15E-03	1.30E-03	1.17E-03	8.50E-03	7.66E-03	9.10E-03	8.20E-03	9.70E-03	8.74E-03	3.00E-04	2.70E-04	2.00E-04	1.80E-04	ND	--	2.00E-04	1.80E-04	ND	--	ND	--
Cyclohexane	110-82-7	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl acetate	79-20-9	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	109-99-9	5.45E-04	ND	--	7.80E-03	4.62E-04	8.90E-03	5.27E-04	2.60E-03	1.54E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.00E-04	1.25E-04	ND	--
trans-1,2-Dichloroethene	156-60-5	1.42E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	2.07E-02	8.00E-03	5.71E-03	6.80E-02	4.86E-02	9.60E-02	6.86E-02	7.80E-02	5.57E-02	6.00E-04	4.29E-04	4.00E-04	2.86E-04	2.00E-04	1.43E-04	5.00E-04	3.57E-04	ND	--	ND	--
Vinyl chloride	75-01-4	--	ND	--	ND	--	ND	--	1.00E-04	6.43E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOC TUs by Sample ID:		2.46E-02		6.89E-03		5.67E-02		7.73E-02		6.47E-02		6.99E-04		4.66E-04		2.00E-04		5.37E-04		1.25E-04		0
Summed TUs (Pesticide and VOCs) by S		0.02		0.007		0.06		0.08		0.06		0.0007		0.0005		0.0002		0.0005		0.0001		0

M6-4B: Surface Water Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		UBW 6-I37		UBW 6-I37		UBW 6-I37		UBW 6-I37		UBW 6-I37		UBW_1A-M42+20	
		6/12/2007		8/7/2008		5/7/2009		3/16/2010		10/24/2011		8/6/2008	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**	**(mg/L)**	**(unitless)**
Pesticides													
4,4'-DDE	72-55-9	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--
Aldrin	309-00-2	ND	--	6.80E-06	1.79E-02	ND	--	ND	--	NS	--	ND	--
beta-BHC	319-85-7	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
beta-BHC	319-85-7	ND	--	1.20E-05	3.87E-05	1.90E-05	6.13E-05	ND	--	NS	--	7.10E-06	2.29E-05
Chlordane (total)	57-74-9	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--
Dieldrin	60-57-1	ND	--	ND	--	4.80E-06	7.28E-02	ND	--	NS	--	ND	--
Endosulfan	115-29-7	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Endrin	72-20-8	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--
Heptachlor	76-44-8	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Heptachlor	76-44-8	ND	--	1.20E-05	1.84E-02	ND	--	ND	--	NS	--	ND	--
Lindane	58-89-9	NS	--	NS	--	NS	--	NS	--	NS	--	NS	--
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	NS	--	ND	--
Sum of Pesticide TUs by Sample ID:			0		3.63E-02		7.29E-02		0		0		2.29E-05
Volatile Organic Carbons													
1,1,2-Trichloroethane	79-00-5	1.00E-04	9.86E-05	ND	--	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethane	75-34-3	3.00E-04	2.28E-04	4.00E-04	3.04E-04	ND	--	ND	--	ND	--	ND	--
1,1-Dichloroethene	75-35-4	1.00E-04	1.61E-04	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichloroethane	107-06-2	7.30E-02	2.78E-02	3.20E-02	1.22E-02	1.50E-02	5.71E-03	1.40E-02	5.33E-03	7.00E-03	2.66E-03	ND	--
1,2-Dichloropropane	78-87-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	1.30E-03	5.23E-05	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	67-64-1	ND	--	NS	--	ND	--	ND	--	ND	--	NS	--
Benzene	71-43-2	1.00E-04	1.89E-05	1.00E-04	1.89E-05	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	75-00-3	ND	--	1.00E-04	5.36E-05	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	9.00E-04	7.49E-04	ND	--	4.00E-04	3.33E-04	6.00E-04	4.99E-04	3.00E-04	2.50E-04	ND	--
cis-1,2-Dichloroethene	156-59-2	2.60E-03	2.34E-03	2.50E-03	2.25E-03	2.00E-03	1.80E-03	1.80E-03	1.62E-03	4.50E-03	4.05E-03	ND	--
Cyclohexane	110-82-7	1.60E-02	5.00E-01	1.10E-02	3.44E-01	3.00E-04	9.38E-03	2.00E-04	6.25E-03	2.00E-04	6.25E-03	ND	--
Methyl acetate	79-20-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl-tert-butyl ether	1634-04-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
t-Butyl alcohol	75-65-0	4.20E-02	1.91E-03	2.60E-02	1.18E-03	ND	--	4.00E-03	1.82E-04	4.20E-03	1.91E-04	ND	--
Tetrachloroethylene	127-18-4	1.10E-02	5.50E-03	4.30E-03	2.15E-03	1.00E-02	5.00E-03	1.60E-02	8.00E-03	1.20E-02	6.00E-03	ND	--
Tetrahydrofuran	109-99-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	108-88-3	ND	--	ND	--	ND	--	ND	--	ND	--	1.00E-04	6.25E-05
trans-1,2-Dichloroethene	156-60-5	2.00E-04	2.83E-04	1.00E-04	1.42E-04	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	2.50E-03	1.79E-03	3.90E-03	2.79E-03	3.10E-03	2.21E-03	3.00E-03	2.14E-03	5.00E-03	3.57E-03	ND	--
Vinyl chloride	75-01-4	3.00E-04	1.93E-04	3.00E-04	1.93E-04	1.00E-04	6.43E-05	2.00E-04	1.29E-04	3.00E-04	1.93E-04	ND	--
Sum of VOC TUs by Sample ID:			5.41E-01		3.65E-01		2.45E-02		2.42E-02		2.32E-02		6.25E-05
Summed TUs (Pesticide and VOCs) by S			0.5		0.4		0.1		0.02		0.02		0.00009

Surface Water Target Lipid Model Toxic Unit

	Maximum Combined Pesticide and VOC TU by Location	Maximum Pesticide TU by Location	Maximum VOC TU by Location
Bee Tree Creek:	2.00E-02	2.38E-02	3.90E-04
Gregg Branch:	7.00E-02	6.68E-02	5.28E-02
Pond 1:	7.00E-04	0	7.47E-04
Pond 2:	2.00E-03	0	1.91E-03
Pond 3:	6.00E-05	0	6.25E-05
Unnamed Branch:	5.00E-01	3.62E-01	5.41E-01

CASNR	Chemical CAS number
CEC	Critical Effect Concentration
mg/L	Milligram per liter
ND	Not detected
NS	Not sampled
PEST	Pesticide
TLM	Target lipid model narcosis benchmark used.
TUs	Toxic units
USEPA	USEPA narcosis benchmark used.
VOCs	Volatile organic compounds
(a)	The hierarchy for determining the Critical Effect Concentration used for calculating TUs was the following (in order of preference): North Carolina values, USEPA narcosis WQC values, and calcuated TLM.
(b)	Toxic Units (TU) is the ratio of the concentration in a medium to the effect concentration in that medium.

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M6-5: Sediment Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

					Sample ID	BTW 1-P44		BTW 1-P45 (b)		BTW 2A-T35		BTW 2-S35		BTW 3-U30		GBW 1A-R33		GBW 1B-Q29	
					Sample Date	3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/16/2010	
		Critical Effect Concentration (a)				Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/L)**	**Source**	**(mg/g OC)**	**(mg/kg sd @ 0.35% OC)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	3.80E-04	TLM	9.33E-01	3.30E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	3.10E-01	USEPA	1.73E+00	6.00E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	3.10E-01	USEPA	3.64E+00	1.30E+01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00056	4.31E-05
Lindane	58-89-9	3.40E-01	USEPA	1.58E+00	5.50E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	6.29E-04	TLM	1.03E+00	3.60E+00	ND	--	0.00021	5.83E-05	0.00018	5.00E-05	ND	--	ND	--	ND	--	ND	--
4,4'-DDD	72-54-8	7.90E-04	TLM	7.83E-01	2.70E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	1.89E-04	TLM	8.36E-01	2.90E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	3.46E-04	TLM	9.09E-01	3.20E+00	6.20E-04	1.94E-04	0.00039	1.22E-04	ND	--	ND	--	ND	--	0.0011	3.44E-04	ND	--
Endosulfan	115-29-7	2.10E-01	USEPA	2.25E+00	7.90E+00	ND	--	ND	--	0.00033	4.18E-05	ND	--	ND	--	ND	--	ND	--
Endosulfan sulfate	1031-07-8	2.01E-01	TLM	7.95E-01	2.80E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	1.03E-02	TLM	8.46E-01	3.00E+00	ND	--	ND	--	0.00021	7.00E-05	ND	--	ND	--	ND	--	ND	--
Methoxychlor	72-43-5	2.20E-02	USEPA	2.17E+00	7.60E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:							1.94E-04		1.80E-04		1.62E-04		0		0		3.44E-04		4.31E-05
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	5.59E-02	USEPA	3.99E-01	1.40E+00	ND	--	2.8	2.00E+00	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	3.07E-01	USEPA	2.29E+00	8.00E+00	ND	--	0.73	9.13E-02	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	2.07E-02	USEPA	6.16E-01	2.20E+00	ND	--	1.1	5.00E-01	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	2.23E-03	USEPA	8.94E-01	3.10E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	9.57E-04	USEPA	9.72E-01	3.40E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	6.77E-04	USEPA	8.43E-01	2.90E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	4.39E-04	USEPA	5.62E+00	2.00E+01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	1.90E-01	USEPA	1.99E+00	7.00E+00	ND	--	3.3	4.71E-01	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	4.60E-02	TLM	1.56E-01	5.40E-01	ND	--	0.58	1.07E+00	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	5.60E-01	TLM	1.14E-01	4.00E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	3.11E-01	TLM	1.60E-01	5.60E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	2.04E-03	USEPA	8.19E-01	2.90E+00	ND	--	0.51	1.76E-01	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	1.70E-01	USEPA	3.52E+00	1.20E+01	ND	--	1.1	9.17E-02	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	8.50E-02	USEPA	2.89E+00	1.00E+01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	7.11E-03	USEPA	7.67E-01	2.70E+00	ND	--	0.36	1.33E-01	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	3.93E-02	USEPA	5.41E-01	1.90E+00	ND	--	2.5	1.32E+00	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	2.75E-04	USEPA	9.47E-01	3.30E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	2.26E-02	TLM	1.77E-01	6.20E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	7.54E-02	USEPA	4.80E-01	1.70E+00	ND	--	34	2.00E+01	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	7.22E-02	USEPA	4.50E-01	1.60E+00	ND	--	65	4.06E+01	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	1.91E-02	USEPA	4.64E-01	1.60E+00	ND	--	7.8	4.88E+00	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	2.44E+00	TLM	6.97E-02	2.40E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	129-00-0	1.01E-02	USEPA	1.07E+00	3.70E+00	ND	--	1.6	4.32E-01	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	NA		2.04E-01	7.10E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Total SVOCs TUs by Sample ID:							0		7.18E+01		0		0		0		0		0
Volatile Organic Compounds																			
Acetone	67-64-1	6.15E+01	TLM	3.57E-02	1.30E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	78-93-3	2.49E+01	TLM	4.69E-02	1.60E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	1.60E+00	USEPA	7.73E-01	2.70E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	1.20E+00	TLM	9.28E-02	3.20E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	1.11E+00	TLM	7.48E-02	2.60E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethylbenzene	100-41-4	7.90E-01	USEPA	9.65E-01	3.40E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	3.62E+00	TLM	6.14E-02	2.10E-01	ND	--	ND	--	ND	--	ND	--	0.004	1.90E-02	ND	--	ND	--
Styrene	100-42-5	1.16E-01	TLM	9.04E-02	3.20E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	2.00E+00	USEPA	8.43E-01	3.00E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	1.40E+00	USEPA	6.46E-01	2.30E+00	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOCs TUs by Sample ID:							0		0		0		0		1.90E-02		0		0
Summed TUs (Pesticides, SVOCs, and VOCs) by							0.0002		70		0.0002		0		0.02		0.0003		0.00004

		GBW 1B-R31		GBW 1C-Q28		GBW 1C-Q29		GBW 1D-O28		GBW 1D-Q29		GBW 1E-N28		GBW 1E-Q27		GBW 1F-P26		GBW 1-S35	
		3/16/2010		3/16/2010		3/16/2010		3/16/2010		3/16/2010		3/16/2010		3/16/2010		3/17/2010		3/15/2010	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	ND	--	0.0008	6.15E-05	ND	--	ND	--	0.00049	3.77E-05
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00021	--	ND	--
Chlordane (total)	57-74-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDD	72-54-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Endosulfan	115-29-7	0.002	2.53E-04	ND	--	ND	--	ND	--	ND	--	ND	--	0.0003	3.80E-05	ND	--	ND	--
Endosulfan sulfate	1031-07-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	ND	--	ND	--	ND	--	ND	--	0.00067	2.23E-04	ND	--	ND	--	ND	--	ND	--
Methoxychlor	72-43-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:			2.53E-04		0		0		0		2.23E-04		6.15E-05		3.80E-05		0		3.77E-05
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	129-00-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Total SVOCs TUs by Sample ID:			0		0		0		0		0		0		0		0		0
Volatile Organic Compounds																			
Acetone	67-64-1	ND	--	ND	--	0.007	5.38E-02	ND	--	ND	--	ND	--	ND	--	0.014	1.08E-01	ND	--
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethylbenzene	100-41-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	100-42-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	0.001	4.35E-04	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOCs TUs by Sample ID:			0		0		5.38E-02		4.35E-04		0		0		0		1.08E-01		0
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.0003		0		0.05		0.0004		0.0002		0.00006		0.00004		0.1		0.00004

		GBW 2A-L26		GBW 2A-O25		GBW 2B-L26		GBW 2B-P25		GBW 2C-P25		GBW 2D-O25		GBW 2-M27		GBW 3-L27		GBW 3-N24	
		3/16/2010		3/17/2010		3/16/2010		3/17/2010		3/17/2010		3/17/2010		3/16/2010		4/7/2010		3/17/2010	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	0.35	2.69E-02	ND	--	ND	--	ND	--	ND	--	ND	--	0.0054	4.15E-04	ND	--	ND	--
Lindane	58-89-9	ND	--	0.00031	5.64E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00024	4.36E-05
Chlordane (total)	57-74-9	0.00036	1.00E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00101	2.81E-04	ND	--
4,4'-DDD	72-54-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	0.0017	5.31E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0011	3.44E-04	ND	--
Endosulfan	115-29-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0015	1.90E-04	ND	--	ND	--
Endosulfan sulfate	1031-07-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	0.00065	2.17E-04	ND	--	ND	--	ND	--	ND	--	ND	--	0.00057	1.90E-04	ND	--	ND	--
Methoxychlor	72-43-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:			2.78E-02		5.64E-05		0		0		0		0		7.95E-04		6.24E-04		4.36E-05
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	129-00-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Total SVOCs TUs by Sample ID:			0		0		0		0		0		0		0		0		0
Volatile Organic Compounds																			
Acetone	67-64-1	ND	--	ND	--	ND	--	0.009	6.92E-02	ND	--	ND	--	ND	--	0.013	1.00E-01	ND	--
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.006	2.31E-02	ND	--	ND	--
Ethylbenzene	100-41-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	100-42-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.075	3.26E-02	ND	--	ND	--
Sum of VOCs TUs by Sample ID:			0		0		0		6.92E-02		0		0		5.57E-02		1.00E-01		0
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.03		0.00006		0		0.07		0		0		0.06		0.1		0.00004

M6-5: Sediment Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		GBW 3-O25		GBW 3-Q23		GBW 4-N23		GBW 4-O23		GBW 4-R21		GBW 5-O22		GBW 5-R20		GBW 6-R20		POND 1W-O43	
		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/22/2010	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00058	4.46E-05	ND	--	ND	--
Lindane	58-89-9	ND	--	ND	--	0.00026	4.73E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	0.00034	9.44E-05	0.00029	8.06E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDD	72-54-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	0.00084	2.63E-04	ND	--	ND	--	ND	--	ND	--	0.00069	2.16E-04	ND	--	ND	--	ND	--
Endosulfan	115-29-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0013	1.65E-04	ND	--	ND	--
Endosulfan sulfate	1031-07-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methoxychlor	72-43-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:			3.57E-04		8.06E-05		4.73E-05		0		0		2.16E-04		2.09E-04		0		0
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	ND	--	ND	--	ND	--	ND	--	ND	--	0.13	5.42E-01	ND	--	ND	--	ND	--
Pyrene	129-00-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	2.80E-01	3.94E-01	ND	--
Sum of Total SVOCs TUs by Sample ID:			0		0		0		0		0		5.42E-01		0		3.94E-01		0
Volatile Organic Compounds																			
Acetone	67-64-1	ND	--	ND	--	ND	--	ND	--	ND	--	0.042	3.23E-01	ND	--	0.007	5.38E-02	ND	--
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	0.009	5.63E-02	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethylbenzene	100-41-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	100-42-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of VOCs TUs by Sample ID:			0		0		0		0		0		3.79E-01		0		5.38E-02		0
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.0004		0.00008		0.00005		0		0		0.9		0.0002		0.4		0

M6-5: Sediment Equilibrium Partitioning Toxic Unit Results (All Samples)
Chemtronics Site - Swannanoa, NC

		POND 2W-P39		POND 3W-S35		UBW 1A-M42		UBW 1B-L42		UBW 1-O44		UBW 2A-L40		UBW 2-L41		UBW 3A-J38		UBW 3-K39	
		3/22/2010		3/22/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010		3/15/2010	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	ND	--	ND	--	0.00079	2.39E-04	0.0092	2.79E-03	0.00093	2.82E-04	0.0061	1.85E-03	0.00029	8.79E-05	0.0055	1.67E-03	0.0045	1.36E-03
beta-BHC	319-85-7	ND	--	ND	--	ND	--	ND	--	ND	--	0.0011	1.83E-04	ND	--	ND	--	0.0017	2.83E-04
delta-BHC	319-86-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.00078	6.00E-05	ND	--	ND	--
Lindane	58-89-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	0.00079	2.19E-04	0.00039	1.08E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDD	72-54-8	0.00044	1.63E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	0.0023	7.93E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	ND	--	ND	--	0.001	3.13E-04	0.00034	1.06E-04	ND	--	ND	--	0.00066	2.06E-04	0.0023	7.19E-04	0.0031	9.69E-04
Endosulfan	115-29-7	0.00074	9.37E-05	0.00053	6.71E-05	0.0055	6.96E-04	0.00051	6.46E-05	ND	--	ND	--	ND	--	0.0066	8.35E-04	ND	--
Endosulfan sulfate	1031-07-8	ND	--	ND	--	0.0007	2.50E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.0014	4.67E-04	ND	--	ND	--
Methoxychlor	72-43-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:			1.27E-03		1.75E-04		1.50E-03		2.96E-03		2.82E-04		2.03E-03		8.21E-04		3.22E-03		2.62E-03
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.24	6.00E-01	0.056	1.40E-01
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	129-00-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	3.40E-01	4.79E-01	ND	--
Sum of Total SVOCs TUs by Sample ID:			0		0		0		0		0		0		0		1.08E+00		1.40E-01
Volatile Organic Compounds																			
Acetone	67-64-1	0.021	1.62E-01	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.017	1.31E-01
2-Butanone	78-93-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	0.009	3.33E-03	ND	--	ND	--
Chloroform	67-66-3	ND	--	ND	--	0.001	3.13E-03	0.002	6.25E-03	ND	--	0.003	9.38E-03	0.17	5.31E-01	ND	--	0.005	1.56E-02
cis-1,2-Dichloroethene	156-59-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethylbenzene	100-41-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	100-42-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	ND	--	ND	--	ND	--	ND	--	ND	--	0.002	6.67E-04	0.21	7.00E-02	0.001	3.33E-04	ND	--
Trichloroethylene	79-01-6	ND	--	ND	--	ND	--	ND	--	ND	--	0.006	2.61E-03	0.2	8.70E-02	0.002	8.70E-04	ND	--
Sum of VOCs TUs by Sample ID:			1.62E-01		0		3.13E-03		6.25E-03		0		1.27E-02		6.92E-01		1.20E-03		1.46E-01
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.2		0.0002		0.005		0.009		0.0003		0.01		0.7		1		0.3

		UBW 4-I37		UBW 5A-H37		UBW 5B-G37		UBW 5C-G37		UBW 5D-F37		UBW 5-I37		UBW 6A-I36		UBW 6B-H36		UBW 6C-H35	
		3/15/2010		3/15/2010		3/16/2010		3/16/2010		3/16/2010		3/15/2010		3/16/2010		3/16/2010		3/17/2010	
		Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs	Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**	**(mg/kg)**	**(unitless)**
Pesticides																			
Aldrin	309-00-2	0.0057	1.73E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
beta-BHC	319-85-7	0.0012	2.00E-04	0.0037	6.17E-04	0.0048	8.00E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
delta-BHC	319-86-8	ND	--	0.00095	7.31E-05	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Lindane	58-89-9	ND	--	ND	--	0.0006	1.09E-04	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlordane (total)	57-74-9	ND	--	0.0017	4.72E-04	0.002	5.56E-04	ND	--	ND	--	0.00062	1.72E-04	ND	--	ND	--	ND	--
4,4'-DDD	72-54-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDE	72-55-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4,4'-DDT	50-29-3	0.0026	8.13E-04	0.0016	5.00E-04	0.0013	4.06E-04	ND	--	ND	--	0.0013	4.06E-04	ND	--	ND	--	ND	--
Endosulfan	115-29-7	ND	--	ND	--	ND	--	0.003	3.80E-04	ND	--	ND	--	0.001	1.27E-04	ND	--	ND	--
Endosulfan sulfate	1031-07-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Heptachlor epoxide	1024-57-3	ND	--	0.00058	1.93E-04	0.00071	2.37E-04	0.0047	1.57E-03	0.0016	5.33E-04	0.00035	1.17E-04	0.00066	2.20E-04	ND	--	0.00063	2.10E-04
Methoxychlor	72-43-5	0.0037	4.87E-04	ND	--	ND	--	0.011	1.45E-03	0.0059	7.76E-04	ND	--	ND	--	ND	--	ND	--
Sum of Pesticide TUs by Sample ID:			3.23E-03		1.86E-03		2.11E-03		3.39E-03		1.31E-03		6.95E-04		3.47E-04		0		2.10E-04
Semivolatile Organic Compounds																			
Acenaphthene	83-32-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthylene	208-96-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	120-12-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	56-55-3	0.063	2.03E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)pyrene	50-32-8	0.055	1.62E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(b)fluoranthene	205-99-2	0.072	2.48E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(g,h,i)perylene	191-24-2	0.044	2.20E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,1'-Biphenyl	92-52-4	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbazole	86-74-8	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--	ND	--	ND	--	ND	--	0.076	1.90E-01	ND	--	ND	--	ND	--	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--	ND	--	ND	--	ND	--	0.64	1.14E+00	ND	--	ND	--	ND	--	ND	--
Chrysene	218-01-9	0.061	2.10E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibenzofuran	132-64-9	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibutyl phthalate	84-74-2	ND	--	ND	--	ND	--	0.085	8.50E-03	ND	--	ND	--	ND	--	ND	--	ND	--
Fluoranthene	206-44-0	0.12	4.44E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Fluorene	86-73-7	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	0.037	1.12E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzophenone	119-61-9	0.04	6.45E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1-Methylnaphthalene	90-12-0	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methyl naphthalene	91-57-6	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	85-01-8	0.088	5.50E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenol	108-95-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	129-00-0	0.11	2.97E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Sum of Total SVOCs TUs by Sample ID:			2.89E-01		0		0		8.50E-03		1.33E+00		0		0		0		0
Volatile Organic Compounds																			
Acetone	67-64-1	0.046	3.54E-01	ND	--	ND	--	0.01	7.69E-02	0.014	1.08E-01	ND	--	ND	--	0.01	7.69E-02	0.008	6.15E-02
2-Butanone	78-93-3	0.012	7.50E-02	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon tetrachloride	56-23-5	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	67-66-3	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	156-59-2	0.005	1.92E-02	0.002	7.69E-03	0.005	1.92E-02	ND	--	0.011	4.23E-02	0.001	3.85E-03	ND	--	ND	--	ND	--
Ethylbenzene	100-41-4	ND	--	ND	--	ND	--	0.004	1.18E-03	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene chloride	75-09-2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	100-42-5	ND	--	ND	--	ND	--	0.003	9.38E-03	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethylene	127-18-4	0.009	3.00E-03	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethylene	79-01-6	0.009	3.91E-03	0.016	6.96E-03	0.012	5.22E-03	0.003	1.30E-03	0.022	9.57E-03	0.049	2.13E-02	ND	--	ND	--	ND	--
Sum of VOCs TUs by Sample ID:			4.55E-01		1.46E-02		2.44E-02		8.88E-02		1.60E-01		2.52E-02		0		7.69E-02		6.15E-02
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.7		0.02		0.03		0.1		1		0.03		0.0003		0.08		0.06

		UBW 6-I37	
		3/16/2010	
		Conc.	TUs
Parameter	**CAS number**	**(mg/kg)**	**(unitless)**
Pesticides			
Aldrin	309-00-2	ND	--
beta-BHC	319-85-7	0.0011	1.83E-04
delta-BHC	319-86-8	ND	--
Lindane	58-89-9	ND	--
Chlordane (total)	57-74-9	0.00203	5.64E-04
4,4'-DDD	72-54-8	ND	--
4,4'-DDE	72-55-9	ND	--
4,4'-DDT	50-29-3	0.0017	5.31E-04
Endosulfan	115-29-7	ND	--
Endosulfan sulfate	1031-07-8	ND	--
Heptachlor epoxide	1024-57-3	0.00036	1.20E-04
Methoxychlor	72-43-5	ND	--
Sum of Pesticide TUs by Sample ID:			1.40E-03
Semivolatile Organic Compounds			
Acenaphthene	83-32-9	ND	--
Acenaphthylene	208-96-8	ND	--
Anthracene	120-12-7	ND	--
Benzo(a)anthracene	56-55-3	ND	--
Benzo(a)pyrene	50-32-8	ND	--
Benzo(b)fluoranthene	205-99-2	ND	--
Benzo(g,h,i)perylene	191-24-2	ND	--
1,1'-Biphenyl	92-52-4	ND	--
Carbazole	86-74-8	ND	--
ortho-Chlorobenzaldehyde	89-98-5	ND	--
ortho-Chlorobenzylidene malonitrile (CS)	2698-41-1	ND	--
Chrysene	218-01-9	ND	--
Dibenzofuran	132-64-9	ND	--
Dibutyl phthalate	84-74-2	ND	--
Fluoranthene	206-44-0	ND	--
Fluorene	86-73-7	ND	--
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	--
Benzophenone	119-61-9	0.07	1.13E-01
1-Methylnaphthalene	90-12-0	ND	--
2-Methyl naphthalene	91-57-6	ND	--
Phenanthrene	85-01-8	ND	--
Phenol	108-95-2	ND	--
Pyrene	129-00-0	ND	--
3-Quinuclidinyl benzilate (BZ)	6581-06-2	ND	--
Sum of Total SVOCs TUs by Sample ID:			1.13E-01
Volatile Organic Compounds			
Acetone	67-64-1	ND	--
2-Butanone	78-93-3	ND	--
Carbon tetrachloride	56-23-5	ND	--
Chloroform	67-66-3	ND	--
cis-1,2-Dichloroethene	156-59-2	ND	--
Ethylbenzene	100-41-4	ND	--
Methylene chloride	75-09-2	ND	--
Styrene	100-42-5	ND	--
Tetrachloroethylene	127-18-4	0.024	8.00E-03
Trichloroethylene	79-01-6	0.001	4.35E-04
Sum of VOCs TUs by Sample ID:			8.43E-03
Summed TUs (Pesticides, SVOCs, and VOCs) by			0.1

(a) The hierarchy for determining the Critical Effect Concentration used for calculating TUs was the following (in order of preference): North Carolina values, USEPA narcosis WQC values, and calcuated TLM.

(b) This elevated PAH location represents an isolated location. The next highest location with PAHs detected was , no adjacent source, dominated by 1- and 2-methylnaphthalene where the only detections greater than 1 came from B109-137 where a UST removal has occurred. B109-137 is located north of the headwaters of the Unnamed Branch and while 1- and 2-methylnaphthalene concentrations ranged from 30 to 60 mg/kg, there are numerous locations between B109-137 and Bee Tree Creek showing no detections of high or low molecular weight PAHs except at UBW4-137 where the total PAH value was 0.75 mg/kg. Furthermore, the fingerprint of the PAHs in Bee Tree Creek is not similar to the fingerprints seen at B109-137, where 1- and 2-methylnaphthalene in Bee Tree Creek comprise 88% of the LMW PAH pattern but ranged from <1% to approximately 75% at B109-137. A figure showing the spatial distribution of PAHs in all media is provided in Appendix M.

(c) CS was used as a surrogate for BZ.

--	Not applicable as sediment sample was not sampled or concentration was ND.
EqP	Equilibrium partitioning
mg/g OC	Milligram per per gram organic carbon
mg/kg SD	Milligram per kilogram sediment
mg/L	Milligram per liter
ND	Not detected
OC	Organic Carbon
PEST	Pesticide
TLM	Target lipid model narcosis benchmark used.
TUs	Toxic units
USEPA	USEPA narcosis benchmark used.
VOCs	Volatile organic compounds

0.3	TUs are between 0 and 1.
2	TUs are between 1 and 10.
30	TUs are between 10 and 100.

M6-6A: Lindane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 2A-L40	07-May-09	Lindane	T	8.8E-06	Y
UBW 2-L41	07-May-09	Lindane	D	4.9E-06	Y
GBW 2B-L26	16-Mar-10	Lindane	T	4.7E-06	N
BTW 1-P45	15-Mar-10	Lindane	T	4.6E-06	N
GBW 1C-Q28	16-Mar-10	Lindane	T	4.6E-06	N
GBW 1D-O28	16-Mar-10	Lindane	T	4.6E-06	N
GBW 1D-Q29	16-Mar-10	Lindane	T	4.6E-06	N
GBW 2B-P25	07-May-09	Lindane	D	4.6E-06	N
GBW 4-N23	17-Mar-10	Lindane	T	4.6E-06	N
UBW 1B-L42	07-May-09	Lindane	D	4.6E-06	N
UBW 5A-H37	07-May-09	Lindane	D	4.6E-06	N
BTW 2A-T35	15-Mar-10	Lindane	T	4.5E-06	N
GBW 1B-Q29	16-Mar-10	Lindane	T	4.5E-06	N
GBW 1F-P26	07-May-09	Lindane	T	4.5E-06	N
GBW 2A-O25	07-May-09	Lindane	D	4.5E-06	N
GBW 2D-O25	07-May-09	Lindane	D	4.5E-06	N
GBW 2-M27	16-Mar-10	Lindane	T	4.5E-06	N
UBW 1A-M42	07-May-09	Lindane	D	4.5E-06	N
UBW 1B-L42	07-May-09	Lindane	T	4.5E-06	N
UBW 1-O44	07-May-09	Lindane	T	4.5E-06	N
UBW 5B-G37	07-May-09	Lindane	T	4.5E-06	N
UBW 5C-G37	07-May-09	Lindane	D	4.5E-06	N
UBW 6A-I36	07-May-09	Lindane	T	4.5E-06	N
UBW 6-I37	07-May-09	Lindane	T	4.5E-06	N
BTW 1-P44	15-Mar-10	Lindane	T	4.4E-06	N
GBW 1A-R33	07-May-09	Lindane	T	4.4E-06	N
GBW 1A-R33	15-Mar-10	Lindane	T	4.4E-06	N
GBW 1B-Q29	07-May-09	Lindane	T	4.4E-06	N
GBW 1B-R31	07-May-09	Lindane	T	4.4E-06	N
GBW 1B-R31	07-May-09	Lindane	D	4.4E-06	N
GBW 1B-R31	07-May-09	Lindane	T	4.4E-06	N
GBW 1C-Q28	07-May-09	Lindane	T	4.4E-06	N
GBW 1C-Q29	07-May-09	Lindane	T	4.4E-06	N
GBW 1C-Q29	07-May-09	Lindane	D	4.4E-06	N
GBW 1C-Q29	16-Mar-10	Lindane	T	4.4E-06	N
GBW 1D-Q29	07-May-09	Lindane	T	4.4E-06	N
GBW 1E-N28	16-Mar-10	Lindane	T	4.4E-06	N
GBW 1E-Q27	16-Mar-10	Lindane	T	4.4E-06	N
GBW 1F-P26	07-May-09	Lindane	D	4.4E-06	N
GBW 1-S35	07-May-09	Lindane	T	4.4E-06	N
GBW 1-S35	15-Mar-10	Lindane	T	4.4E-06	N

M6-6A: Lindane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 2A-L26	07-May-09	Lindane	T	4.4E-06	N
GBW 2A-O25	07-May-09	Lindane	T	4.4E-06	N
GBW 2B-L26	07-May-09	Lindane	T	4.4E-06	N
GBW 2B-P25	07-May-09	Lindane	T	4.4E-06	N
GBW 2B-P25	17-Mar-10	Lindane	T	4.4E-06	N
GBW 2C-P25	07-May-09	Lindane	D	4.4E-06	N
GBW 2C-P25	17-Mar-10	Lindane	T	4.4E-06	N
GBW 2D-O25	07-May-09	Lindane	T	4.4E-06	N
GBW 2D-O25	17-Mar-10	Lindane	T	4.4E-06	N
GBW 3-L27	07-Apr-10	Lindane	T	4.4E-06	N
GBW 3-N24	17-Mar-10	Lindane	T	4.4E-06	N
GBW 3-O25	07-May-09	Lindane	T	4.4E-06	N
GBW 3-O25	07-May-09	Lindane	D	4.4E-06	N
GBW 3-O25	07-May-09	Lindane	T	4.4E-06	N
GBW 3-O25	07-May-09	Lindane	D	4.4E-06	N
GBW 3-O25	17-Mar-10	Lindane	T	4.4E-06	N
GBW 3-Q23	07-May-09	Lindane	T	4.4E-06	N
GBW 3-Q23	07-May-09	Lindane	D	4.4E-06	N
GBW 3-Q23	17-Mar-10	Lindane	T	4.4E-06	N
GBW 4-N23	07-May-09	Lindane	T	4.4E-06	N
GBW 4-O23	07-May-09	Lindane	T	4.4E-06	N
GBW 4-O23	07-May-09	Lindane	D	4.4E-06	N
GBW 4-O23	17-Mar-10	Lindane	T	4.4E-06	N
GBW 4-R21	17-Mar-10	Lindane	T	4.4E-06	N
GBW 5-R20	07-May-09	Lindane	T	4.4E-06	N
GBW 5-R20	17-Mar-10	Lindane	T	4.4E-06	N
GBW 6-R20	07-May-09	Lindane	T	4.4E-06	N
GBW 6-R20	07-May-09	Lindane	D	4.4E-06	N
GBW 6-R20	17-Mar-10	Lindane	T	4.4E-06	N
POND 1W-O43	22-Mar-10	Lindane	T	4.4E-06	N
POND 3W-S35	22-Mar-10	Lindane	T	4.4E-06	N
UBW 1A-M42	07-May-09	Lindane	T	4.4E-06	N
UBW 1A-M42	15-Mar-10	Lindane	T	4.4E-06	N
UBW 1-O44	15-Mar-10	Lindane	T	4.4E-06	N
UBW 2A-L40	15-Mar-10	Lindane	T	4.4E-06	N
UBW 2-L41	07-May-09	Lindane	T	4.4E-06	N
UBW 2-L41	07-May-09	Lindane	D	4.4E-06	N
UBW 2-L41	07-May-09	Lindane	T	4.4E-06	N
UBW 3A-J38	07-May-09	Lindane	T	4.4E-06	N
UBW 3-K39	07-May-09	Lindane	T	4.4E-06	N
UBW 4-I37	07-May-09	Lindane	T	4.4E-06	N

M6-6A: Lindane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 5A-H37	07-May-09	Lindane	T	4.4E-06	N
UBW 5A-H37	15-Mar-10	Lindane	T	4.4E-06	N
UBW 5C-G37	07-May-09	Lindane	T	4.4E-06	N
UBW 5C-G37	16-Mar-10	Lindane	T	4.4E-06	N
UBW 5D-F37	07-May-09	Lindane	T	4.4E-06	N
UBW 5D-F37	16-Mar-10	Lindane	T	4.4E-06	N
UBW 5-I37	07-May-09	Lindane	T	4.4E-06	N
UBW 5-I37	15-Mar-10	Lindane	T	4.4E-06	N
UBW 6A-I36	16-Mar-10	Lindane	T	4.4E-06	N
UBW 6B-H36	07-May-09	Lindane	T	4.4E-06	N
UBW 6B-H36	16-Mar-10	Lindane	T	4.4E-06	N
UBW 6C-H35	07-May-09	Lindane	T	4.4E-06	N
BTW 2-S35	15-Mar-10	Lindane	T	4.3E-06	N
BTW 3-U30	15-Mar-10	Lindane	T	4.3E-06	N
GBW 1A-R33	07-May-09	Lindane	D	4.3E-06	N
GBW 1B-Q29	07-May-09	Lindane	D	4.3E-06	N
GBW 1B-R31	07-May-09	Lindane	D	4.3E-06	N
GBW 1B-R31	16-Mar-10	Lindane	T	4.3E-06	N
GBW 1D-O28	07-May-09	Lindane	T	4.3E-06	N
GBW 1D-Q29	07-May-09	Lindane	D	4.3E-06	N
GBW 1E-N28	07-May-09	Lindane	T	4.3E-06	N
GBW 1E-Q27	07-May-09	Lindane	T	4.3E-06	N
GBW 1E-Q27	07-May-09	Lindane	D	4.3E-06	N
GBW 1F-P26	17-Mar-10	Lindane	T	4.3E-06	N
GBW 2A-L26	16-Mar-10	Lindane	T	4.3E-06	N
GBW 2A-O25	17-Mar-10	Lindane	T	4.3E-06	N
GBW 2C-P25	07-May-09	Lindane	T	4.3E-06	N
GBW 2-M27	07-May-09	Lindane	T	4.3E-06	N
GBW 2-M27	07-May-09	Lindane	D	4.3E-06	N
GBW 3-N24	07-May-09	Lindane	T	4.3E-06	N
GBW 4-R21	07-May-09	Lindane	T	4.3E-06	N
GBW 4-R21	07-May-09	Lindane	D	4.3E-06	N
GBW 5-R20	07-May-09	Lindane	D	4.3E-06	N
POND 2W-P39	22-Mar-10	Lindane	T	4.3E-06	N
UBW 1B-L42	15-Mar-10	Lindane	T	4.3E-06	N
UBW 2-L41	15-Mar-10	Lindane	T	4.3E-06	N
UBW 3A-J38	15-Mar-10	Lindane	T	4.3E-06	N
UBW 3-K39	15-Mar-10	Lindane	T	4.3E-06	N
UBW 4-I37	15-Mar-10	Lindane	T	4.3E-06	N
UBW 5B-G37	16-Mar-10	Lindane	T	4.3E-06	N
UBW 6C-H35	17-Mar-10	Lindane	T	4.3E-06	N

M6-6A: Lindane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 6-I37	16-Mar-10	Lindane	T	4.3E-06	N
UBW 5-I37	07-Aug-08	Lindane	T	2.8E-06	Y
UBW 2A-L40	07-Aug-08	Lindane	T	2.1E-06	Y
BTW 1-P44	12-Jun-07	Lindane	T	2.0E-06	N
BTW 3-U30	12-Jun-07	Lindane	T	2.0E-06	N
GBW 1A-R33	11-Jun-07	Lindane	T	2.0E-06	N
GBW 1B-Q29	11-Jun-07	Lindane	T	2.0E-06	N
GBW 1C-Q28	11-Jun-07	Lindane	T	2.0E-06	N
GBW 1D-Q29	11-Jun-07	Lindane	T	2.0E-06	N
GBW 2-M27	11-Jun-07	Lindane	T	2.0E-06	N
GBW 3-O25	12-Jun-07	Lindane	T	2.0E-06	N
GBW 3-O25	11-Aug-08	Lindane	T	2.0E-06	N
POND 1W-O43	12-Jun-07	Lindane	T	2.0E-06	N
POND 2W-P39	12-Jun-07	Lindane	T	2.0E-06	N
POND 3W-S35	12-Jun-07	Lindane	T	2.0E-06	N
UBW 1A-M42	12-Jun-07	Lindane	T	2.0E-06	N
UBW 2-L41	12-Jun-07	Lindane	T	2.0E-06	N
UBW 3-K39	12-Jun-07	Lindane	T	2.0E-06	N
UBW 6-I37	07-Aug-08	Lindane	T	2.0E-06	N
BTW 1-P44	06-Aug-08	Lindane	T	1.9E-06	N
BTW 1-P45	06-Aug-08	Lindane	T	1.9E-06	N
BTW 2A-T35	06-Aug-08	Lindane	T	1.9E-06	N
BTW 2-S35	12-Jun-07	Lindane	T	1.9E-06	N
BTW 2-S35	06-Aug-08	Lindane	T	1.9E-06	N
BTW 3-U30	06-Aug-08	Lindane	T	1.9E-06	N
BTW_1A-Q39	06-Aug-08	Lindane	T	1.9E-06	N
GBW 1A-R33	07-Aug-08	Lindane	T	1.9E-06	N
GBW 1B-Q29	07-Aug-08	Lindane	T	1.9E-06	N
GBW 1B-R31	07-Aug-08	Lindane	T	1.9E-06	N
GBW 1C-Q29	07-Aug-08	Lindane	T	1.9E-06	N
GBW 1D-Q29	08-Aug-08	Lindane	T	1.9E-06	N
GBW 1D-Q29	08-Aug-08	Lindane	T	1.9E-06	N
GBW 1E-Q27	08-Aug-08	Lindane	T	1.9E-06	N
GBW 1F-P26	08-Aug-08	Lindane	T	1.9E-06	N
GBW 1-S35	12-Jun-07	Lindane	T	1.9E-06	N
GBW 1-S35	06-Aug-08	Lindane	T	1.9E-06	N
GBW 2A-O25	08-Aug-08	Lindane	T	1.9E-06	N
GBW 2B-P25	08-Aug-08	Lindane	T	1.9E-06	N
GBW 2C-P25	08-Aug-08	Lindane	T	1.9E-06	N
GBW 2D-O25	08-Aug-08	Lindane	T	1.9E-06	N
GBW 3-N24	08-Aug-08	Lindane	T	1.9E-06	N

M6-6A: Lindane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 3-Q23	11-Aug-08	Lindane	T	1.9E-06	N
GBW 4-N23	08-Aug-08	Lindane	T	1.9E-06	N
GBW 4-R21	11-Aug-08	Lindane	T	1.9E-06	N
GBW 5-R20	11-Aug-08	Lindane	T	1.9E-06	N
POND 1W-O43	06-Aug-08	Lindane	T	1.9E-06	N
POND 2W-P39	06-Aug-08	Lindane	T	1.9E-06	N
POND 3W-S35	06-Aug-08	Lindane	T	1.9E-06	N
UBW 1B-L42	06-Aug-08	Lindane	T	1.9E-06	N
UBW 1-O44	15-Jun-07	Lindane	T	1.9E-06	N
UBW 2-L41	06-Aug-08	Lindane	T	1.9E-06	N
UBW 2-L41	06-Aug-08	Lindane	T	1.9E-06	N
UBW 3A-J38	07-Aug-08	Lindane	T	1.9E-06	N
UBW 3-K39	07-Aug-08	Lindane	T	1.9E-06	N
UBW 4-I37	12-Jun-07	Lindane	T	1.9E-06	N
UBW 4-I37	07-Aug-08	Lindane	T	1.9E-06	N
UBW 5-I37	12-Jun-07	Lindane	T	1.9E-06	N
UBW 6-I37	12-Jun-07	Lindane	T	1.9E-06	N
UBW_1A-M42+20	06-Aug-08	Lindane	T	1.9E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-6B: Lindane Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
M85L-4	A	7/26/2007	Lindane	T	2.1E-05	N
SW-151-1	A	9/4/2008	Lindane	T	1.5E-05	Y
MW166-T32A	A	9/12/2008	Lindane	T	9.2E-06	N
MW192-P41CD	CD	3/1/2010	Lindane	T	4.7E-06	N
MW182-K39AB	AB	3/3/2010	Lindane	T	4.6E-06	N
MW168-O28B	B	9/15/2008	Lindane	T	4.4E-06	N
MW190-N24AB	AB	2/26/2010	Lindane	T	4.4E-06	N
MW193-Q40CD	CD	3/1/2010	Lindane	T	4.4E-06	N
MW-1S	A	9/11/2008	Lindane	T	4.4E-06	N
MW205-M27AB	AB	3/8/2010	Lindane	T	4.4E-06	N
MW181-I37AB	AB	2/26/2010	Lindane	T	4.3E-06	N
MW183-O39CD	CD	3/1/2010	Lindane	T	4.3E-06	N
MW223-L26AB	AB	3/4/2011	Lindane	T	4.0E-06	Y
MW156-P44A	A	6/29/2007	Lindane	T	2.2E-06	N
MW162-T31A	A	7/16/2007	Lindane	T	2.2E-06	N
MW165-O28A	A	7/16/2007	Lindane	T	2.2E-06	N
SW-152-3	A	7/2/2007	Lindane	T	2.2E-06	N
MW155-P43C	C	7/2/2007	Lindane	T	2.1E-06	N
MW168-O28B	B	7/16/2007	Lindane	T	2.1E-06	N
BW-14	E	8/18/2008	Lindane	T	2.0E-06	N
M85L-11	B	7/5/2007	Lindane	T	2.0E-06	N
MW-149-1	D	8/13/2008	Lindane	T	2.0E-06	N
MW158-N44A	A	6/27/2007	Lindane	T	2.0E-06	N
MW167-O44A	A	6/28/2007	Lindane	T	2.0E-06	N
MW167-O44A	A	8/27/2008	Lindane	T	2.0E-06	N
MW-1S	A	6/25/2007	Lindane	T	2.0E-06	N
MW208-L26AB	AB	6/18/2007	Lindane	T	2.0E-06	N
MW233-O20AB	AB	1/31/2012	Lindane	T	2.0E-06	N
MW235-P39CD	CD	2/1/2012	Lindane	T	2.0E-06	N
BW-14	E	7/16/2007	Lindane	T	1.9E-06	N
DW-152-3	B	6/29/2007	Lindane	T	1.9E-06	N
DW-152-3	B	8/26/2008	Lindane	T	1.9E-06	N
MW-149-1	D	7/19/2007	Lindane	T	1.9E-06	N
MW155-P43C	C	7/19/2007	Lindane	T	1.9E-06	N
MW155-P43C	C	8/26/2008	Lindane	T	1.9E-06	N
MW158-N44A	A	8/27/2008	Lindane	T	1.9E-06	N
MW162-T31A	A	8/19/2008	Lindane	T	1.9E-06	N
MW166-T32A	A	7/13/2007	Lindane	T	1.9E-06	N
MW216-G37AB	AB	3/3/2011	Lindane	T	1.9E-06	N
SW-13	B	7/17/2007	Lindane	T	1.9E-06	N
SW-151-1	A	6/14/2007	Lindane	T	1.9E-06	N

M6-6B: Lindane Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
SW-151-2	A	7/9/2007	Lindane	T	1.9E-06	N
SW-151-2	A	8/22/2008	Lindane	T	1.9E-06	N
SW-152-3	A	8/26/2008	Lindane	T	1.9E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-7A : Endosulfan Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 5C-G37	07-May-09	Endosulfan	D	7.2E-06	Y
GBW 2B-L26	16-Mar-10	Endosulfan	T	4.1E-06	N
POND 1W-O43	12-Jun-07	Endosulfan	T	4.1E-06	N
BTW 1-P44	12-Jun-07	Endosulfan	T	4.0E-06	N
BTW 1-P45	15-Mar-10	Endosulfan	T	4.0E-06	N
BTW 3-U30	12-Jun-07	Endosulfan	T	4.0E-06	N
GBW 1B-Q29	11-Jun-07	Endosulfan	T	4.0E-06	N
GBW 1C-Q28	16-Mar-10	Endosulfan	T	4.0E-06	N
GBW 1D-O28	16-Mar-10	Endosulfan	T	4.0E-06	N
GBW 1D-Q29	16-Mar-10	Endosulfan	T	4.0E-06	N
GBW 2B-P25	07-May-09	Endosulfan	D	4.0E-06	N
GBW 2-M27	11-Jun-07	Endosulfan	T	4.0E-06	N
GBW 4-N23	17-Mar-10	Endosulfan	T	4.0E-06	N
POND 2W-P39	12-Jun-07	Endosulfan	T	4.0E-06	N
POND 3W-S35	12-Jun-07	Endosulfan	T	4.0E-06	N
UBW 1A-M42	12-Jun-07	Endosulfan	T	4.0E-06	N
UBW 1A-M42	07-May-09	Endosulfan	D	4.0E-06	N
UBW 1B-L42	07-May-09	Endosulfan	D	4.0E-06	N
UBW 2-L41	12-Jun-07	Endosulfan	T	4.0E-06	N
UBW 3-K39	12-Jun-07	Endosulfan	T	4.0E-06	N
UBW 5A-H37	07-May-09	Endosulfan	D	4.0E-06	N
UBW 6A-I36	07-May-09	Endosulfan	T	4.0E-06	N
UBW 6-I37	07-Aug-08	Endosulfan	T	4.0E-06	N
BTW 2A-T35	15-Mar-10	Endosulfan	T	3.9E-06	N
BTW 2-S35	12-Jun-07	Endosulfan	T	3.9E-06	N
GBW 1A-R33	11-Jun-07	Endosulfan	T	3.9E-06	N
GBW 1B-Q29	16-Mar-10	Endosulfan	T	3.9E-06	N
GBW 1C-Q28	11-Jun-07	Endosulfan	T	3.9E-06	N
GBW 1D-Q29	11-Jun-07	Endosulfan	T	3.9E-06	N
GBW 1F-P26	07-May-09	Endosulfan	T	3.9E-06	N
GBW 1-S35	12-Jun-07	Endosulfan	T	3.9E-06	N
GBW 2A-O25	07-May-09	Endosulfan	D	3.9E-06	N
GBW 2D-O25	07-May-09	Endosulfan	D	3.9E-06	N
GBW 2D-O25	17-Mar-10	Endosulfan	T	3.9E-06	N
GBW 2-M27	16-Mar-10	Endosulfan	T	3.9E-06	N
GBW 3-O25	12-Jun-07	Endosulfan	T	3.9E-06	N
GBW 3-O25	11-Aug-08	Endosulfan	T	3.9E-06	N
UBW 1B-L42	07-May-09	Endosulfan	T	3.9E-06	N
UBW 1-O44	15-Jun-07	Endosulfan	T	3.9E-06	N
UBW 1-O44	07-May-09	Endosulfan	T	3.9E-06	N
UBW 2-L41	07-May-09	Endosulfan	D	3.9E-06	N

M6-7A : Endosulfan Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 2-L41	07-May-09	Endosulfan	D	3.9E-06	N
UBW 3A-J38	07-May-09	Endosulfan	T	3.9E-06	N
UBW 3-K39	07-May-09	Endosulfan	T	3.9E-06	N
UBW 4-I37	12-Jun-07	Endosulfan	T	3.9E-06	N
UBW 5B-G37	07-May-09	Endosulfan	T	3.9E-06	N
UBW 5C-G37	07-May-09	Endosulfan	T	3.9E-06	N
UBW 5-I37	12-Jun-07	Endosulfan	T	3.9E-06	N
UBW 5-I37	07-Aug-08	Endosulfan	T	3.9E-06	N
UBW 6B-H36	07-May-09	Endosulfan	T	3.9E-06	N
UBW 6C-H35	07-May-09	Endosulfan	T	3.9E-06	N
UBW 6-I37	12-Jun-07	Endosulfan	T	3.9E-06	N
UBW 6-I37	07-May-09	Endosulfan	T	3.9E-06	N
BTW 1-P44	06-Aug-08	Endosulfan	T	3.8E-06	N
BTW 1-P44	15-Mar-10	Endosulfan	T	3.8E-06	N
BTW 1-P45	06-Aug-08	Endosulfan	T	3.8E-06	N
BTW 2A-T35	06-Aug-08	Endosulfan	T	3.8E-06	N
BTW 2-S35	06-Aug-08	Endosulfan	T	3.8E-06	N
BTW 2-S35	15-Mar-10	Endosulfan	T	3.8E-06	N
BTW 3-U30	06-Aug-08	Endosulfan	T	3.8E-06	N
BTW 3-U30	15-Mar-10	Endosulfan	T	3.8E-06	N
BTW_1A-Q39	06-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1A-R33	07-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1A-R33	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1A-R33	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1A-R33	15-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1B-Q29	07-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1B-Q29	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1B-Q29	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1B-R31	07-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1B-R31	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1B-R31	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1B-R31	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1B-R31	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1B-R31	16-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1C-Q28	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1C-Q29	07-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1C-Q29	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1C-Q29	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1C-Q29	16-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1D-O28	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1D-Q29	08-Aug-08	Endosulfan	T	3.8E-06	N

M6-7A : Endosulfan Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1D-Q29	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1D-Q29	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1D-Q29	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1E-N28	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1E-N28	16-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1E-Q27	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1E-Q27	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1E-Q27	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1E-Q27	16-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1F-P26	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1F-P26	07-May-09	Endosulfan	D	3.8E-06	N
GBW 1F-P26	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 1-S35	06-Aug-08	Endosulfan	T	3.8E-06	N
GBW 1-S35	07-May-09	Endosulfan	T	3.8E-06	N
GBW 1-S35	15-Mar-10	Endosulfan	T	3.8E-06	N
GBW 2A-L26	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2A-L26	16-Mar-10	Endosulfan	T	3.8E-06	N
GBW 2A-O25	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 2A-O25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2A-O25	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 2B-L26	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2B-P25	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 2B-P25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2B-P25	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 2C-P25	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 2C-P25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2C-P25	07-May-09	Endosulfan	D	3.8E-06	N
GBW 2C-P25	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 2D-O25	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 2D-O25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2-M27	07-May-09	Endosulfan	T	3.8E-06	N
GBW 2-M27	07-May-09	Endosulfan	D	3.8E-06	N
GBW 3-L27	07-Apr-10	Endosulfan	T	3.8E-06	N
GBW 3-N24	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 3-N24	07-May-09	Endosulfan	T	3.8E-06	N
GBW 3-N24	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 3-O25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 3-O25	07-May-09	Endosulfan	D	3.8E-06	N
GBW 3-O25	07-May-09	Endosulfan	T	3.8E-06	N
GBW 3-O25	07-May-09	Endosulfan	D	3.8E-06	N
GBW 3-O25	17-Mar-10	Endosulfan	T	3.8E-06	N

M6-7A : Endosulfan Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 3-Q23	11-Aug-08	Endosulfan	T	3.8E-06	N
GBW 3-Q23	07-May-09	Endosulfan	T	3.8E-06	N
GBW 3-Q23	07-May-09	Endosulfan	D	3.8E-06	N
GBW 3-Q23	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 4-N23	08-Aug-08	Endosulfan	T	3.8E-06	N
GBW 4-N23	07-May-09	Endosulfan	T	3.8E-06	N
GBW 4-O23	07-May-09	Endosulfan	T	3.8E-06	N
GBW 4-O23	07-May-09	Endosulfan	D	3.8E-06	N
GBW 4-O23	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 4-R21	11-Aug-08	Endosulfan	T	3.8E-06	N
GBW 4-R21	07-May-09	Endosulfan	T	3.8E-06	N
GBW 4-R21	07-May-09	Endosulfan	D	3.8E-06	N
GBW 4-R21	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 5-R20	11-Aug-08	Endosulfan	T	3.8E-06	N
GBW 5-R20	07-May-09	Endosulfan	T	3.8E-06	N
GBW 5-R20	07-May-09	Endosulfan	D	3.8E-06	N
GBW 5-R20	17-Mar-10	Endosulfan	T	3.8E-06	N
GBW 6-R20	07-May-09	Endosulfan	T	3.8E-06	N
GBW 6-R20	07-May-09	Endosulfan	D	3.8E-06	N
GBW 6-R20	17-Mar-10	Endosulfan	T	3.8E-06	N
POND 1W-O43	06-Aug-08	Endosulfan	T	3.8E-06	N
POND 1W-O43	22-Mar-10	Endosulfan	T	3.8E-06	N
POND 2W-P39	06-Aug-08	Endosulfan	T	3.8E-06	N
POND 2W-P39	22-Mar-10	Endosulfan	T	3.8E-06	N
POND 3W-S35	06-Aug-08	Endosulfan	T	3.8E-06	N
POND 3W-S35	22-Mar-10	Endosulfan	T	3.8E-06	N
UBW 1A-M42	07-May-09	Endosulfan	T	3.8E-06	N
UBW 1A-M42	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 1B-L42	06-Aug-08	Endosulfan	T	3.8E-06	N
UBW 1B-L42	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 1-O44	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 2A-L40	07-Aug-08	Endosulfan	T	3.8E-06	N
UBW 2A-L40	07-May-09	Endosulfan	T	3.8E-06	N
UBW 2A-L40	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 2-L41	06-Aug-08	Endosulfan	T	3.8E-06	N
UBW 2-L41	06-Aug-08	Endosulfan	T	3.8E-06	N
UBW 2-L41	07-May-09	Endosulfan	T	3.8E-06	N
UBW 2-L41	07-May-09	Endosulfan	T	3.8E-06	N
UBW 2-L41	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 3A-J38	07-Aug-08	Endosulfan	T	3.8E-06	N
UBW 3A-J38	15-Mar-10	Endosulfan	T	3.8E-06	N

M6-7A : Endosulfan Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 3-K39	07-Aug-08	Endosulfan	T	3.8E-06	N
UBW 3-K39	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 4-I37	07-Aug-08	Endosulfan	T	3.8E-06	N
UBW 4-I37	07-May-09	Endosulfan	T	3.8E-06	N
UBW 4-I37	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 5A-H37	07-May-09	Endosulfan	T	3.8E-06	N
UBW 5A-H37	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 5B-G37	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW 5C-G37	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW 5D-F37	07-May-09	Endosulfan	T	3.8E-06	N
UBW 5D-F37	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW 5-I37	07-May-09	Endosulfan	T	3.8E-06	N
UBW 5-I37	15-Mar-10	Endosulfan	T	3.8E-06	N
UBW 6A-I36	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW 6B-H36	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW 6C-H35	17-Mar-10	Endosulfan	T	3.8E-06	N
UBW 6-I37	16-Mar-10	Endosulfan	T	3.8E-06	N
UBW_1A-M42+20	06-Aug-08	Endosulfan	T	3.8E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-7B: Endosulfan Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
MW223-L26AB	3/4/2011	Endosulfan	T	1.7E-04	N
MW182-K39AB	3/3/2010	Endosulfan	T	3.0E-05	N
MW233-O20AB	1/31/2012	Endosulfan	T	1.5E-05	N
MW235-P39CD	2/1/2012	Endosulfan	T	1.5E-05	N
MW216-G37AB	3/3/2011	Endosulfan	T	1.4E-05	N
MW166-T32A	9/12/2008	Endosulfan	T	8.0E-06	N
M85L-4	7/26/2007	Endosulfan	T	6.3E-06	Y
MW156-P44A	6/29/2007	Endosulfan	T	4.4E-06	N
MW162-T31A	7/16/2007	Endosulfan	T	4.4E-06	N
MW165-O28A	7/16/2007	Endosulfan	T	4.3E-06	N
MW168-O28B	7/16/2007	Endosulfan	T	4.3E-06	N
SW-152-3	7/2/2007	Endosulfan	T	4.3E-06	N
M85L-11	7/5/2007	Endosulfan	T	4.1E-06	N
MW155-P43C	7/2/2007	Endosulfan	T	4.1E-06	N
MW158-N44A	6/27/2007	Endosulfan	T	4.1E-06	N
MW167-O44A	6/28/2007	Endosulfan	T	4.1E-06	N
MW192-P41CD	3/1/2010	Endosulfan	T	4.1E-06	N
BW-14	8/18/2008	Endosulfan	T	4.0E-06	N
MW-149-1	8/13/2008	Endosulfan	T	4.0E-06	N
MW167-O44A	8/27/2008	Endosulfan	T	4.0E-06	N
MW-1S	6/25/2007	Endosulfan	T	4.0E-06	N
MW208-L26AB	6/18/2007	Endosulfan	T	4.0E-06	N
MW162-T31A	8/19/2008	Endosulfan	T	3.9E-06	N
MW166-T32A	7/13/2007	Endosulfan	T	3.9E-06	N
MW-1S	9/11/2008	Endosulfan	T	3.9E-06	N
SW-151-2	7/9/2007	Endosulfan	T	3.9E-06	N
DW-152-3	6/29/2007	Endosulfan	T	3.8E-06	N
DW-152-3	8/26/2008	Endosulfan	T	3.8E-06	N
MW-149-1	7/19/2007	Endosulfan	T	3.8E-06	N
MW155-P43C	7/19/2007	Endosulfan	T	3.8E-06	N
MW155-P43C	8/26/2008	Endosulfan	T	3.8E-06	N
MW158-N44A	8/27/2008	Endosulfan	T	3.8E-06	N
MW168-O28B	9/15/2008	Endosulfan	T	3.8E-06	N
MW181-I37AB	2/26/2010	Endosulfan	T	3.8E-06	N
MW183-O39CD	3/1/2010	Endosulfan	T	3.8E-06	N
MW193-Q40CD	3/1/2010	Endosulfan	T	3.8E-06	N
MW205-M27AB	3/8/2010	Endosulfan	T	3.8E-06	N
SW-13	7/17/2007	Endosulfan	T	3.8E-06	N
SW-151-1	6/14/2007	Endosulfan	T	3.8E-06	N
SW-151-1	9/4/2008	Endosulfan	T	3.8E-06	N
SW-151-2	8/22/2008	Endosulfan	T	3.8E-06	N

M6-7B: Endosulfan Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
SW-152-3	8/26/2008	Endosulfan	T	3.8E-06	N
BW-14	7/16/2007	Endosulfan	T	3.7E-06	N
MW190-N24AB	2/26/2010	Endosulfan	T	3.2E-06	Y

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-8A: Heptachlor Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 6-I37	07-Aug-08	Heptachlor	T	1.2E-05	Y
UBW 2-L41	12-Jun-07	Heptachlor	T	1.2E-05	Y
UBW 4-I37	07-Aug-08	Heptachlor	T	8.7E-06	Y
UBW 1B-L42	07-May-09	Heptachlor	D	7.6E-06	Y
UBW 3-K39	12-Jun-07	Heptachlor	T	7.0E-06	Y
UBW 2-L41	06-Aug-08	Heptachlor	T	6.3E-06	Y
UBW 2-L41	07-May-09	Heptachlor	D	6.1E-06	Y
UBW 2A-L40	07-May-09	Heptachlor	T	4.2E-06	Y
GBW 2B-L26	16-Mar-10	Heptachlor	T	4.1E-06	N
BTW 1-P45	15-Mar-10	Heptachlor	T	4.0E-06	N
GBW 1C-Q28	16-Mar-10	Heptachlor	T	4.0E-06	N
GBW 1D-O28	16-Mar-10	Heptachlor	T	4.0E-06	N
GBW 1D-Q29	16-Mar-10	Heptachlor	T	4.0E-06	N
GBW 2B-P25	07-May-09	Heptachlor	D	4.0E-06	N
GBW 4-N23	17-Mar-10	Heptachlor	T	4.0E-06	N
UBW 1A-M42	07-May-09	Heptachlor	D	4.0E-06	N
UBW 2-L41	07-May-09	Heptachlor	T	4.0E-06	Y
UBW 1-O44	15-Jun-07	Heptachlor	T	4.0E-06	Y
UBW 1A-M42	12-Jun-07	Heptachlor	T	4.0E-06	Y
UBW 5A-H37	07-May-09	Heptachlor	D	4.0E-06	N
UBW 6A-I36	07-May-09	Heptachlor	T	4.0E-06	N
BTW 2A-T35	15-Mar-10	Heptachlor	T	3.9E-06	N
GBW 1B-Q29	16-Mar-10	Heptachlor	T	3.9E-06	N
GBW 1F-P26	07-May-09	Heptachlor	T	3.9E-06	N
GBW 2A-O25	07-May-09	Heptachlor	D	3.9E-06	N
GBW 2D-O25	07-May-09	Heptachlor	D	3.9E-06	N
GBW 2D-O25	17-Mar-10	Heptachlor	T	3.9E-06	N
GBW 2-M27	16-Mar-10	Heptachlor	T	3.9E-06	N
UBW 1B-L42	07-May-09	Heptachlor	T	3.9E-06	N
UBW 1-O44	07-May-09	Heptachlor	T	3.9E-06	N
UBW 2-L41	07-May-09	Heptachlor	D	3.9E-06	N
UBW 3A-J38	07-May-09	Heptachlor	T	3.9E-06	N
UBW 3-K39	07-May-09	Heptachlor	T	3.9E-06	N
UBW 5B-G37	07-May-09	Heptachlor	T	3.9E-06	N
UBW 5C-G37	07-May-09	Heptachlor	T	3.9E-06	N
UBW 5C-G37	07-May-09	Heptachlor	D	3.9E-06	N
UBW 6B-H36	07-May-09	Heptachlor	T	3.9E-06	N
UBW 6C-H35	07-May-09	Heptachlor	T	3.9E-06	N
UBW 6-I37	07-May-09	Heptachlor	T	3.9E-06	N
BTW 1-P44	15-Mar-10	Heptachlor	T	3.8E-06	N
BTW 2-S35	15-Mar-10	Heptachlor	T	3.8E-06	N

M6-8A: Heptachlor Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
BTW 3-U30	15-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1A-R33	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1A-R33	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1A-R33	15-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1B-Q29	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1B-Q29	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1B-R31	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1B-R31	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1B-R31	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1B-R31	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1B-R31	16-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1C-Q28	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1C-Q29	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1C-Q29	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1C-Q29	16-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1D-O28	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1D-Q29	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1D-Q29	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1E-N28	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1E-N28	16-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1E-Q27	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1E-Q27	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1E-Q27	16-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1F-P26	07-May-09	Heptachlor	D	3.8E-06	N
GBW 1F-P26	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 1-S35	07-May-09	Heptachlor	T	3.8E-06	N
GBW 1-S35	15-Mar-10	Heptachlor	T	3.8E-06	N
GBW 2A-L26	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2A-L26	16-Mar-10	Heptachlor	T	3.8E-06	N
GBW 2A-O25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2A-O25	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 2B-L26	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2B-P25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2B-P25	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 2C-P25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2C-P25	07-May-09	Heptachlor	D	3.8E-06	N
GBW 2C-P25	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 2D-O25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2-M27	07-May-09	Heptachlor	T	3.8E-06	N
GBW 2-M27	07-May-09	Heptachlor	D	3.8E-06	N
GBW 3-L27	07-Apr-10	Heptachlor	T	3.8E-06	N

M6-8A: Heptachlor Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 3-N24	07-May-09	Heptachlor	T	3.8E-06	N
GBW 3-N24	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 3-O25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 3-O25	07-May-09	Heptachlor	D	3.8E-06	N
GBW 3-O25	07-May-09	Heptachlor	T	3.8E-06	N
GBW 3-O25	07-May-09	Heptachlor	D	3.8E-06	N
GBW 3-O25	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 3-Q23	07-May-09	Heptachlor	T	3.8E-06	N
GBW 3-Q23	07-May-09	Heptachlor	D	3.8E-06	N
GBW 3-Q23	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 4-N23	07-May-09	Heptachlor	T	3.8E-06	N
GBW 4-O23	07-May-09	Heptachlor	T	3.8E-06	N
GBW 4-O23	07-May-09	Heptachlor	D	3.8E-06	N
GBW 4-O23	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 4-R21	07-May-09	Heptachlor	T	3.8E-06	N
GBW 4-R21	07-May-09	Heptachlor	D	3.8E-06	N
GBW 4-R21	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 5-R20	07-May-09	Heptachlor	T	3.8E-06	N
GBW 5-R20	07-May-09	Heptachlor	D	3.8E-06	N
GBW 5-R20	17-Mar-10	Heptachlor	T	3.8E-06	N
GBW 6-R20	07-May-09	Heptachlor	T	3.8E-06	N
GBW 6-R20	07-May-09	Heptachlor	D	3.8E-06	N
GBW 6-R20	17-Mar-10	Heptachlor	T	3.8E-06	N
POND 1W-O43	22-Mar-10	Heptachlor	T	3.8E-06	N
POND 2W-P39	22-Mar-10	Heptachlor	T	3.8E-06	N
POND 3W-S35	22-Mar-10	Heptachlor	T	3.8E-06	N
UBW 1A-M42	07-May-09	Heptachlor	T	3.8E-06	N
UBW 1A-M42	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 1B-L42	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 1-O44	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 2A-L40	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 2-L41	07-May-09	Heptachlor	T	3.8E-06	N
UBW 2-L41	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 3A-J38	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 3-K39	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 4-I37	07-May-09	Heptachlor	T	3.8E-06	N
UBW 4-I37	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 5A-H37	07-May-09	Heptachlor	T	3.8E-06	N
UBW 5A-H37	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 5B-G37	16-Mar-10	Heptachlor	T	3.8E-06	N
UBW 5C-G37	16-Mar-10	Heptachlor	T	3.8E-06	N

M6-8A: Heptachlor Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 5D-F37	07-May-09	Heptachlor	T	3.8E-06	N
UBW 5D-F37	16-Mar-10	Heptachlor	T	3.8E-06	N
UBW 5-I37	07-May-09	Heptachlor	T	3.8E-06	N
UBW 5-I37	15-Mar-10	Heptachlor	T	3.8E-06	N
UBW 6A-I36	16-Mar-10	Heptachlor	T	3.8E-06	N
UBW 6B-H36	16-Mar-10	Heptachlor	T	3.8E-06	N
UBW 6C-H35	17-Mar-10	Heptachlor	T	3.8E-06	N
UBW 6-I37	16-Mar-10	Heptachlor	T	3.8E-06	N
BTW 1-P44	12-Jun-07	Heptachlor	T	3.0E-06	N
BTW 3-U30	12-Jun-07	Heptachlor	T	3.0E-06	N
GBW 1A-R33	11-Jun-07	Heptachlor	T	3.0E-06	N
GBW 1B-Q29	11-Jun-07	Heptachlor	T	3.0E-06	N
GBW 1C-Q28	11-Jun-07	Heptachlor	T	3.0E-06	N
GBW 2-M27	11-Jun-07	Heptachlor	T	3.0E-06	N
POND 1W-O43	12-Jun-07	Heptachlor	T	3.0E-06	N
POND 2W-P39	12-Jun-07	Heptachlor	T	3.0E-06	N
POND 3W-S35	12-Jun-07	Heptachlor	T	3.0E-06	N
BTW 2-S35	12-Jun-07	Heptachlor	T	2.9E-06	N
GBW 1B-R31	07-Aug-08	Heptachlor	T	2.9E-06	N
GBW 1D-Q29	11-Jun-07	Heptachlor	T	2.9E-06	N
GBW 1D-Q29	08-Aug-08	Heptachlor	T	2.9E-06	N
GBW 1F-P26	08-Aug-08	Heptachlor	T	2.9E-06	N
GBW 1-S35	12-Jun-07	Heptachlor	T	2.9E-06	N
GBW 2A-O25	08-Aug-08	Heptachlor	T	2.9E-06	N
GBW 3-N24	08-Aug-08	Heptachlor	T	2.9E-06	N
GBW 3-O25	12-Jun-07	Heptachlor	T	2.9E-06	N
GBW 3-O25	11-Aug-08	Heptachlor	T	2.9E-06	N
GBW 4-R21	11-Aug-08	Heptachlor	T	2.9E-06	N
UBW 2-L41	06-Aug-08	Heptachlor	T	2.9E-06	N
UBW 4-I37	12-Jun-07	Heptachlor	T	2.9E-06	N
UBW 5-I37	12-Jun-07	Heptachlor	T	2.9E-06	N
UBW 5-I37	07-Aug-08	Heptachlor	T	2.9E-06	N
UBW 6-I37	12-Jun-07	Heptachlor	T	2.9E-06	N
BTW 1-P44	06-Aug-08	Heptachlor	T	2.8E-06	N
BTW 1-P45	06-Aug-08	Heptachlor	T	2.8E-06	N
BTW 2A-T35	06-Aug-08	Heptachlor	T	2.8E-06	N
BTW 2-S35	06-Aug-08	Heptachlor	T	2.8E-06	N
BTW 3-U30	06-Aug-08	Heptachlor	T	2.8E-06	N
BTW_1A-Q39	06-Aug-08	Heptachlor	T	2.8E-06	N
GBW 1A-R33	07-Aug-08	Heptachlor	T	2.8E-06	N
GBW 1B-Q29	07-Aug-08	Heptachlor	T	2.8E-06	N

M6-8A: Heptachlor Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1C-Q29	07-Aug-08	Heptachlor	T	2.8E-06	N
GBW 1D-Q29	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 1E-Q27	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 1-S35	06-Aug-08	Heptachlor	T	2.8E-06	N
GBW 2B-P25	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 2C-P25	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 2D-O25	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 3-Q23	11-Aug-08	Heptachlor	T	2.8E-06	N
GBW 4-N23	08-Aug-08	Heptachlor	T	2.8E-06	N
GBW 5-R20	11-Aug-08	Heptachlor	T	2.8E-06	N
POND 1W-O43	06-Aug-08	Heptachlor	T	2.8E-06	N
POND 2W-P39	06-Aug-08	Heptachlor	T	2.8E-06	N
POND 3W-S35	06-Aug-08	Heptachlor	T	2.8E-06	N
UBW 1B-L42	06-Aug-08	Heptachlor	T	2.8E-06	N
UBW 2A-L40	07-Aug-08	Heptachlor	T	2.8E-06	N
UBW 3A-J38	07-Aug-08	Heptachlor	T	2.8E-06	N
UBW 3-K39	07-Aug-08	Heptachlor	T	2.8E-06	N
UBW_1A-M42+20	06-Aug-08	Heptachlor	T	2.8E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-8B: Heptachlor Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW166-T32A	A	9/12/2008	Heptachlor	T	8.0E-06	N
MW-149-1	D	8/13/2008	Heptachlor	T	4.8E-06	Y
MW192-P41CD	CD	3/1/2010	Heptachlor	T	4.1E-06	N
MW182-K39AB	AB	3/3/2010	Heptachlor	T	4.0E-06	N
MW-1S	A	9/11/2008	Heptachlor	T	3.9E-06	N
MW168-O28B	B	9/15/2008	Heptachlor	T	3.8E-06	N
MW181-I37AB	AB	2/26/2010	Heptachlor	T	3.8E-06	N
MW183-O39CD	CD	3/1/2010	Heptachlor	T	3.8E-06	N
MW190-N24AB	AB	2/26/2010	Heptachlor	T	3.8E-06	N
MW193-Q40CD	CD	3/1/2010	Heptachlor	T	3.8E-06	N
MW205-M27AB	AB	3/8/2010	Heptachlor	T	3.8E-06	N
SW-151-1	A	9/4/2008	Heptachlor	T	3.8E-06	N
MW156-P44A	A	6/29/2007	Heptachlor	T	3.3E-06	N
MW162-T31A	A	7/16/2007	Heptachlor	T	3.3E-06	N
MW165-O28A	A	7/16/2007	Heptachlor	T	3.3E-06	N
MW168-O28B	B	7/16/2007	Heptachlor	T	3.2E-06	N
SW-152-3	A	7/2/2007	Heptachlor	T	3.2E-06	N
M85L-11	B	7/5/2007	Heptachlor	T	3.1E-06	N
M85L-4	A	7/26/2007	Heptachlor	T	3.1E-06	N
MW155-P43C	C	7/2/2007	Heptachlor	T	3.1E-06	N
BW-14	E	8/18/2008	Heptachlor	T	3.0E-06	N
MW158-N44A	A	6/27/2007	Heptachlor	T	3.0E-06	N
MW167-O44A	A	6/28/2007	Heptachlor	T	3.0E-06	N
MW167-O44A	A	8/27/2008	Heptachlor	T	3.0E-06	N
MW-1S	A	6/25/2007	Heptachlor	T	3.0E-06	N
MW208-L26AB	AB	6/18/2007	Heptachlor	T	3.0E-06	N
DW-152-3	B	6/29/2007	Heptachlor	T	2.9E-06	N
MW-149-1	D	7/19/2007	Heptachlor	T	2.9E-06	N
MW155-P43C	C	8/26/2008	Heptachlor	T	2.9E-06	N
MW162-T31A	A	8/19/2008	Heptachlor	T	2.9E-06	N
MW166-T32A	A	7/13/2007	Heptachlor	T	2.9E-06	N
SW-13	B	7/17/2007	Heptachlor	T	2.9E-06	N
SW-151-1	A	6/14/2007	Heptachlor	T	2.9E-06	N
SW-151-2	A	7/9/2007	Heptachlor	T	2.9E-06	N
SW-152-3	A	8/26/2008	Heptachlor	T	2.9E-06	N
BW-14	E	7/16/2007	Heptachlor	T	2.8E-06	N
DW-152-3	B	8/26/2008	Heptachlor	T	2.8E-06	N
MW155-P43C	C	7/19/2007	Heptachlor	T	2.8E-06	N
MW158-N44A	A	8/27/2008	Heptachlor	T	2.8E-06	N
SW-151-2	A	8/22/2008	Heptachlor	T	2.8E-06	N
MW216-G37AB	AB	3/3/2011	Heptachlor	T	2.5E-06	N

M6-8B: Heptachlor Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW223-L26AB	AB	3/4/2011	Heptachlor	T	2.5E-06	N
MW233-O20AB	AB	1/31/2012	Heptachlor	T	2.0E-06	N
MW235-P39CD	CD	2/1/2012	Heptachlor	T	2.0E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-9A: Aldrin Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 3A-J38	07-Aug-08	Aldrin	T	0.000039	Y
UBW 4-I37	07-Aug-08	Aldrin	T	0.000037	Y
UBW 3-K39	07-Aug-08	Aldrin	T	0.00003	Y
UBW 3A-J38	15-Mar-10	Aldrin	T	0.000013	Y
UBW 4-I37	15-Mar-10	Aldrin	T	0.000012	Y
UBW 2A-L40	07-Aug-08	Aldrin	T	0.000011	Y
UBW 3-K39	15-Mar-10	Aldrin	T	0.0000093	Y
UBW 6-I37	07-Aug-08	Aldrin	T	0.0000068	Y
UBW 2A-L40	15-Mar-10	Aldrin	T	0.0000064	Y
GBW 1E-Q27	16-Mar-10	Aldrin	T	0.00029	N
UBW 5C-G37	16-Mar-10	Aldrin	T	0.000039	N
POND 1W-O43	12-Jun-07	Aldrin	T	0.0000041	N
BTW 1-P44	12-Jun-07	Aldrin	T	0.000004	N
BTW 3-U30	12-Jun-07	Aldrin	T	0.000004	N
GBW 1B-Q29	11-Jun-07	Aldrin	T	0.000004	N
GBW 2-M27	11-Jun-07	Aldrin	T	0.000004	N
POND 2W-P39	12-Jun-07	Aldrin	T	0.000004	N
POND 3W-S35	12-Jun-07	Aldrin	T	0.000004	N
UBW 1A-M42	12-Jun-07	Aldrin	T	0.000004	N
UBW 2-L41	12-Jun-07	Aldrin	T	0.000004	N
UBW 3-K39	12-Jun-07	Aldrin	T	0.000004	N
BTW 2-S35	12-Jun-07	Aldrin	T	0.0000039	N
GBW 1A-R33	11-Jun-07	Aldrin	T	0.0000039	N
GBW 1C-Q28	11-Jun-07	Aldrin	T	0.0000039	N
GBW 1D-Q29	11-Jun-07	Aldrin	T	0.0000039	N
GBW 1-S35	12-Jun-07	Aldrin	T	0.0000039	N
GBW 3-O25	12-Jun-07	Aldrin	T	0.0000039	N
GBW 3-O25	11-Aug-08	Aldrin	T	0.0000039	N
UBW 1-O44	15-Jun-07	Aldrin	T	0.0000039	N
UBW 4-I37	12-Jun-07	Aldrin	T	0.0000039	N
UBW 5-I37	12-Jun-07	Aldrin	T	0.0000039	N
UBW 5-I37	07-Aug-08	Aldrin	T	0.0000039	N
UBW 6-I37	12-Jun-07	Aldrin	T	0.0000039	N
BTW 1-P44	06-Aug-08	Aldrin	T	0.0000038	N
BTW 1-P45	06-Aug-08	Aldrin	T	0.0000038	N
BTW 2A-T35	06-Aug-08	Aldrin	T	0.0000038	N
BTW 2-S35	06-Aug-08	Aldrin	T	0.0000038	N
BTW 3-U30	06-Aug-08	Aldrin	T	0.0000038	N
BTW_1A-Q39	06-Aug-08	Aldrin	T	0.0000038	N
GBW 1A-R33	07-Aug-08	Aldrin	T	0.0000038	N
GBW 1B-Q29	07-Aug-08	Aldrin	T	0.0000038	N

M6-9A: Aldrin Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1B-R31	07-Aug-08	Aldrin	T	0.0000038	N
GBW 1C-Q29	07-Aug-08	Aldrin	T	0.0000038	N
GBW 1D-Q29	08-Aug-08	Aldrin	T	0.0000038	N
GBW 1D-Q29	08-Aug-08	Aldrin	T	0.0000038	N
GBW 1E-Q27	08-Aug-08	Aldrin	T	0.0000038	N
GBW 1F-P26	08-Aug-08	Aldrin	T	0.0000038	N
GBW 1-S35	06-Aug-08	Aldrin	T	0.0000038	N
GBW 2A-O25	08-Aug-08	Aldrin	T	0.0000038	N
GBW 2B-P25	08-Aug-08	Aldrin	T	0.0000038	N
GBW 2C-P25	08-Aug-08	Aldrin	T	0.0000038	N
GBW 2D-O25	08-Aug-08	Aldrin	T	0.0000038	N
GBW 3-N24	08-Aug-08	Aldrin	T	0.0000038	N
GBW 3-Q23	11-Aug-08	Aldrin	T	0.0000038	N
GBW 4-N23	08-Aug-08	Aldrin	T	0.0000038	N
GBW 4-R21	11-Aug-08	Aldrin	T	0.0000038	N
GBW 5-R20	11-Aug-08	Aldrin	T	0.0000038	N
POND 1W-O43	06-Aug-08	Aldrin	T	0.0000038	N
POND 2W-P39	06-Aug-08	Aldrin	T	0.0000038	N
POND 3W-S35	06-Aug-08	Aldrin	T	0.0000038	N
UBW 1B-L42	06-Aug-08	Aldrin	T	0.0000038	N
UBW 2-L41	06-Aug-08	Aldrin	T	0.0000038	N
UBW 2-L41	06-Aug-08	Aldrin	T	0.0000038	N
UBW_1A-M42+20	06-Aug-08	Aldrin	T	0.0000038	N
GBW 2B-L26	16-Mar-10	Aldrin	T	0.0000031	N
BTW 1-P45	15-Mar-10	Aldrin	T	0.000003	N
GBW 1C-Q28	16-Mar-10	Aldrin	T	0.000003	N
GBW 1D-O28	16-Mar-10	Aldrin	T	0.000003	N
GBW 1D-Q29	16-Mar-10	Aldrin	T	0.000003	N
GBW 2A-O25	07-May-09	Aldrin	D	0.000003	N
GBW 2B-P25	07-May-09	Aldrin	D	0.000003	N
GBW 2D-O25	07-May-09	Aldrin	D	0.000003	N
GBW 4-N23	17-Mar-10	Aldrin	T	0.000003	N
UBW 1A-M42	07-May-09	Aldrin	D	0.000003	N
UBW 1B-L42	07-May-09	Aldrin	T	0.000003	N
UBW 1B-L42	07-May-09	Aldrin	D	0.000003	N
UBW 5A-H37	07-May-09	Aldrin	D	0.000003	N
UBW 6A-I36	07-May-09	Aldrin	T	0.000003	N
BTW 2A-T35	15-Mar-10	Aldrin	T	0.0000029	N
GBW 1A-R33	15-Mar-10	Aldrin	T	0.0000029	N
GBW 1B-Q29	16-Mar-10	Aldrin	T	0.0000029	N
GBW 1B-R31	07-May-09	Aldrin	T	0.0000029	N

M6-9A: Aldrin Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1B-R31	07-May-09	Aldrin	D	0.0000029	N
GBW 1B-R31	07-May-09	Aldrin	T	0.0000029	N
GBW 1C-Q29	16-Mar-10	Aldrin	T	0.0000029	N
GBW 1F-P26	07-May-09	Aldrin	T	0.0000029	N
GBW 1F-P26	07-May-09	Aldrin	D	0.0000029	N
GBW 1-S35	07-May-09	Aldrin	T	0.0000029	N
GBW 2B-P25	07-May-09	Aldrin	T	0.0000029	N
GBW 2B-P25	17-Mar-10	Aldrin	T	0.0000029	N
GBW 2C-P25	07-May-09	Aldrin	D	0.0000029	N
GBW 2D-O25	17-Mar-10	Aldrin	T	0.0000029	N
GBW 2-M27	16-Mar-10	Aldrin	T	0.0000029	N
GBW 3-N24	17-Mar-10	Aldrin	T	0.0000029	N
GBW 3-O25	07-May-09	Aldrin	T	0.0000029	N
GBW 3-O25	07-May-09	Aldrin	D	0.0000029	N
GBW 3-O25	07-May-09	Aldrin	T	0.0000029	N
GBW 3-O25	07-May-09	Aldrin	D	0.0000029	N
GBW 3-Q23	17-Mar-10	Aldrin	T	0.0000029	N
GBW 4-O23	07-May-09	Aldrin	T	0.0000029	N
POND 1W-O43	22-Mar-10	Aldrin	T	0.0000029	N
POND 3W-S35	22-Mar-10	Aldrin	T	0.0000029	N
UBW 1A-M42	07-May-09	Aldrin	T	0.0000029	N
UBW 1-O44	07-May-09	Aldrin	T	0.0000029	N
UBW 2-L41	07-May-09	Aldrin	T	0.0000029	N
UBW 2-L41	07-May-09	Aldrin	D	0.0000029	N
UBW 2-L41	07-May-09	Aldrin	T	0.0000029	N
UBW 2-L41	07-May-09	Aldrin	D	0.0000029	N
UBW 3A-J38	07-May-09	Aldrin	T	0.0000029	N
UBW 3-K39	07-May-09	Aldrin	T	0.0000029	N
UBW 4-I37	07-May-09	Aldrin	T	0.0000029	N
UBW 5B-G37	07-May-09	Aldrin	T	0.0000029	N
UBW 5C-G37	07-May-09	Aldrin	T	0.0000029	N
UBW 5C-G37	07-May-09	Aldrin	D	0.0000029	N
UBW 5D-F37	07-May-09	Aldrin	T	0.0000029	N
UBW 6B-H36	07-May-09	Aldrin	T	0.0000029	N
UBW 6B-H36	16-Mar-10	Aldrin	T	0.0000029	N
UBW 6C-H35	07-May-09	Aldrin	T	0.0000029	N
UBW 6-I37	07-May-09	Aldrin	T	0.0000029	N
BTW 1-P44	15-Mar-10	Aldrin	T	0.0000028	N
BTW 2-S35	15-Mar-10	Aldrin	T	0.0000028	N
BTW 3-U30	15-Mar-10	Aldrin	T	0.0000028	N
GBW 1A-R33	07-May-09	Aldrin	T	0.0000028	N

M6-9A: Aldrin Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1A-R33	07-May-09	Aldrin	D	0.0000028	N
GBW 1B-Q29	07-May-09	Aldrin	T	0.0000028	N
GBW 1B-Q29	07-May-09	Aldrin	D	0.0000028	N
GBW 1B-R31	07-May-09	Aldrin	D	0.0000028	N
GBW 1B-R31	16-Mar-10	Aldrin	T	0.0000028	N
GBW 1C-Q28	07-May-09	Aldrin	T	0.0000028	N
GBW 1C-Q29	07-May-09	Aldrin	T	0.0000028	N
GBW 1C-Q29	07-May-09	Aldrin	D	0.0000028	N
GBW 1D-O28	07-May-09	Aldrin	T	0.0000028	N
GBW 1D-Q29	07-May-09	Aldrin	T	0.0000028	N
GBW 1D-Q29	07-May-09	Aldrin	D	0.0000028	N
GBW 1E-N28	07-May-09	Aldrin	T	0.0000028	N
GBW 1E-N28	16-Mar-10	Aldrin	T	0.0000028	N
GBW 1E-Q27	07-May-09	Aldrin	T	0.0000028	N
GBW 1E-Q27	07-May-09	Aldrin	D	0.0000028	N
GBW 1F-P26	17-Mar-10	Aldrin	T	0.0000028	N
GBW 1-S35	15-Mar-10	Aldrin	T	0.0000028	N
GBW 2A-L26	07-May-09	Aldrin	T	0.0000028	N
GBW 2A-L26	16-Mar-10	Aldrin	T	0.0000028	N
GBW 2A-O25	07-May-09	Aldrin	T	0.0000028	N
GBW 2A-O25	17-Mar-10	Aldrin	T	0.0000028	N
GBW 2B-L26	07-May-09	Aldrin	T	0.0000028	N
GBW 2C-P25	07-May-09	Aldrin	T	0.0000028	N
GBW 2C-P25	17-Mar-10	Aldrin	T	0.0000028	N
GBW 2D-O25	07-May-09	Aldrin	T	0.0000028	N
GBW 2-M27	07-May-09	Aldrin	T	0.0000028	N
GBW 2-M27	07-May-09	Aldrin	D	0.0000028	N
GBW 3-L27	07-Apr-10	Aldrin	T	0.0000028	N
GBW 3-N24	07-May-09	Aldrin	T	0.0000028	N
GBW 3-O25	17-Mar-10	Aldrin	T	0.0000028	N
GBW 3-Q23	07-May-09	Aldrin	T	0.0000028	N
GBW 3-Q23	07-May-09	Aldrin	D	0.0000028	N
GBW 4-N23	07-May-09	Aldrin	T	0.0000028	N
GBW 4-O23	07-May-09	Aldrin	D	0.0000028	N
GBW 4-O23	17-Mar-10	Aldrin	T	0.0000028	N
GBW 4-R21	07-May-09	Aldrin	T	0.0000028	N
GBW 4-R21	07-May-09	Aldrin	D	0.0000028	N
GBW 4-R21	17-Mar-10	Aldrin	T	0.0000028	N
GBW 5-R20	07-May-09	Aldrin	T	0.0000028	N
GBW 5-R20	07-May-09	Aldrin	D	0.0000028	N
GBW 5-R20	17-Mar-10	Aldrin	T	0.0000028	N

M6-9A: Aldrin Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 6-R20	07-May-09	Aldrin	T	0.0000028	N
GBW 6-R20	07-May-09	Aldrin	D	0.0000028	N
GBW 6-R20	17-Mar-10	Aldrin	T	0.0000028	N
POND 2W-P39	22-Mar-10	Aldrin	T	0.0000028	N
UBW 1A-M42	15-Mar-10	Aldrin	T	0.0000028	N
UBW 1B-L42	15-Mar-10	Aldrin	T	0.0000028	N
UBW 1-O44	15-Mar-10	Aldrin	T	0.0000028	N
UBW 2A-L40	07-May-09	Aldrin	T	0.0000028	N
UBW 2-L41	15-Mar-10	Aldrin	T	0.0000028	N
UBW 5A-H37	07-May-09	Aldrin	T	0.0000028	N
UBW 5A-H37	15-Mar-10	Aldrin	T	0.0000028	N
UBW 5B-G37	16-Mar-10	Aldrin	T	0.0000028	N
UBW 5D-F37	16-Mar-10	Aldrin	T	0.0000028	N
UBW 5-I37	07-May-09	Aldrin	T	0.0000028	N
UBW 5-I37	15-Mar-10	Aldrin	T	0.0000028	N
UBW 6A-I36	16-Mar-10	Aldrin	T	0.0000028	N
UBW 6C-H35	17-Mar-10	Aldrin	T	0.0000028	N
UBW 6-I37	16-Mar-10	Aldrin	T	0.0000028	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-9B: Aldrin Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
M85L-4	A	7/26/2007	Aldrin	T	6.6E-06	Y
MW166-T32A	A	9/12/2008	Aldrin	T	6.0E-06	N
MW156-P44A	A	6/29/2007	Aldrin	T	4.4E-06	N
MW162-T31A	A	7/16/2007	Aldrin	T	4.4E-06	N
MW165-O28A	A	7/16/2007	Aldrin	T	4.3E-06	N
MW168-O28B	B	7/16/2007	Aldrin	T	4.3E-06	N
SW-152-3	A	7/2/2007	Aldrin	T	4.3E-06	N
M85L-11	B	7/5/2007	Aldrin	T	4.1E-06	N
MW155-P43C	C	7/2/2007	Aldrin	T	4.1E-06	N
MW158-N44A	A	6/27/2007	Aldrin	T	4.1E-06	N
MW167-O44A	A	6/28/2007	Aldrin	T	4.1E-06	N
BW-14	E	8/18/2008	Aldrin	T	4.0E-06	N
MW-149-1	D	8/13/2008	Aldrin	T	4.0E-06	N
MW167-O44A	A	8/27/2008	Aldrin	T	4.0E-06	N
MW-1S	A	6/25/2007	Aldrin	T	4.0E-06	N
MW208-L26AB	AB	6/18/2007	Aldrin	T	4.0E-06	N
MW162-T31A	A	8/19/2008	Aldrin	T	3.9E-06	N
MW166-T32A	A	7/13/2007	Aldrin	T	3.9E-06	N
SW-151-2	A	7/9/2007	Aldrin	T	3.9E-06	N
DW-152-3	B	6/29/2007	Aldrin	T	3.8E-06	N
DW-152-3	B	8/26/2008	Aldrin	T	3.8E-06	N
MW-149-1	D	7/19/2007	Aldrin	T	3.8E-06	N
MW155-P43C	C	7/19/2007	Aldrin	T	3.8E-06	N
MW155-P43C	C	8/26/2008	Aldrin	T	3.8E-06	N
MW158-N44A	A	8/27/2008	Aldrin	T	3.8E-06	N
SW-13	B	7/17/2007	Aldrin	T	3.8E-06	N
SW-151-1	A	6/14/2007	Aldrin	T	3.8E-06	N
SW-151-2	A	8/22/2008	Aldrin	T	3.8E-06	N
SW-152-3	A	8/26/2008	Aldrin	T	3.8E-06	N
BW-14	E	7/16/2007	Aldrin	T	3.7E-06	N
MW182-K39AB	AB	3/3/2010	Aldrin	T	3.0E-06	N
MW192-P41CD	CD	3/1/2010	Aldrin	T	3.0E-06	N
MW168-O28B	B	9/15/2008	Aldrin	T	2.9E-06	N
MW190-N24AB	AB	2/26/2010	Aldrin	T	2.9E-06	N
MW-1S	A	9/11/2008	Aldrin	T	2.9E-06	N
MW205-M27AB	AB	3/8/2010	Aldrin	T	2.9E-06	N
MW181-I37AB	AB	2/26/2010	Aldrin	T	2.8E-06	N
MW183-O39CD	CD	3/1/2010	Aldrin	T	2.8E-06	N
MW193-Q40CD	CD	3/1/2010	Aldrin	T	2.8E-06	N
SW-151-1	A	9/4/2008	Aldrin	T	2.8E-06	N
MW233-O20AB	AB	1/31/2012	Aldrin	T	2.0E-06	N

M6-9B: Aldrin Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW235-P39CD	CD	2/1/2012	Aldrin	T	2.0E-06	N
MW216-G37AB	AB	3/3/2011	Aldrin	T	1.9E-06	N
MW223-L26AB	AB	3/4/2011	Aldrin	T	1.9E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-9C: Aldrin Analyses for Sediment
Chemtronics Site - Swannanoa, NC

Matrix	Water Body Location	Sample Location	Sample Date	Parameter	Result or Detection Limit (mg/kg)	Detect (Y or N)
Sediment	Unnamed Branch	UBW 1B-L42	3/15/2010	Aldrin	9.2E-03	Y
Sediment	Unnamed Branch	UBW 2A-L40	3/15/2010	Aldrin	6.1E-03	Y
Sediment	Unnamed Branch	UBW 4-I37	3/15/2010	Aldrin	5.7E-03	Y
Sediment	Unnamed Branch	UBW 3A-J38	3/15/2010	Aldrin	5.5E-03	Y
Sediment	Unnamed Branch	UBW 3-K39	3/15/2010	Aldrin	4.5E-03	Y
Sediment	Unnamed Branch	UBW 1-O44	3/15/2010	Aldrin	9.3E-04	Y
Sediment	Unnamed Branch	UBW 1A-M42	3/15/2010	Aldrin	7.9E-04	Y
Sediment	Gregg Branch	GBW 1D-Q29	3/16/2010	Aldrin	5.1E-04	N
Sediment	Unnamed Branch	UBW 5B-G37	3/16/2010	Aldrin	5.1E-04	N
Sediment	Unnamed Branch	UBW 5C-G37	3/16/2010	Aldrin	5.1E-04	N
Sediment	Unnamed Branch	UBW 5D-F37	3/16/2010	Aldrin	5.1E-04	N
Sediment	Unnamed Branch	UBW 6B-H36	3/16/2010	Aldrin	5.1E-04	N
Sediment	Unnamed Branch	UBW 6C-H35	3/17/2010	Aldrin	5.1E-04	N
Sediment	Gregg Branch	GBW 5-O22	3/17/2010	Aldrin	2.9E-04	N
Sediment	Unnamed Branch	UBW 2-L41	3/15/2010	Aldrin	2.9E-04	Y
Sediment	Bee Tree Creek	BTW 3-U30	3/15/2010	Aldrin	2.4E-04	N
Sediment	Bee Tree Creek	BTW 1-P44	3/15/2010	Aldrin	1.7E-04	N
Sediment	Bee Tree Creek	BTW 1-P45	3/15/2010	Aldrin	1.7E-04	N
Sediment	Bee Tree Creek	BTW 2A-T35	3/15/2010	Aldrin	1.7E-04	N
Sediment	Bee Tree Creek	BTW 2-S35	3/15/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1A-R33	3/15/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1B-Q29	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1B-R31	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1C-Q28	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1C-Q29	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1D-O28	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1E-N28	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1E-Q27	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1F-P26	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 1-S35	3/15/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2A-L26	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2A-O25	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2B-L26	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2B-P25	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2C-P25	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2D-O25	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 2-M27	3/16/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 3-L27	4/7/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 3-N24	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 3-O25	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 3-Q23	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 4-N23	3/17/2010	Aldrin	1.7E-04	N

M6-9C: Aldrin Analyses for Sediment
Chemtronics Site - Swannanoa, NC

Matrix	Water Body Location	Sample Location	Sample Date	Parameter	Result or Detection Limit (mg/kg)	Detect (Y or N)
Sediment	Gregg Branch	GBW 4-O23	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 4-R21	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 5-R20	3/17/2010	Aldrin	1.7E-04	N
Sediment	Gregg Branch	GBW 6-R20	3/17/2010	Aldrin	1.7E-04	N
Sediment	POND1	POND 1W-O43	3/22/2010	Aldrin	1.7E-04	N
Sediment	POND2	POND 2W-P39	3/22/2010	Aldrin	1.7E-04	N
Sediment	POND3	POND 3W-S35	3/22/2010	Aldrin	1.7E-04	N
Sediment	Unnamed Branch	UBW 5A-H37	3/15/2010	Aldrin	1.7E-04	N
Sediment	Unnamed Branch	UBW 5-I37	3/15/2010	Aldrin	1.7E-04	N
Sediment	Unnamed Branch	UBW 6A-I36	3/16/2010	Aldrin	1.7E-04	N
Sediment	Unnamed Branch	UBW 6-I37	3/16/2010	Aldrin	1.7E-04	N

Notes

	Positive detections.
Y	Yes.
N	No.
mg/kg	Milligram per kilogram.

M6-10A: Chlordane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or No)
BTW 1-P44	12-Jun-07	Chlordane (total)	T	3.0E-06	N
BTW 1-P44	06-Aug-08	Chlordane (total)	T	2.8E-06	N
BTW 1-P44	15-Mar-10	Chlordane (total)	T	4.4E-06	N
BTW 1-P45	06-Aug-08	Chlordane (total)	T	2.8E-06	N
BTW 1-P45	15-Mar-10	Chlordane (total)	T	4.7E-06	N
BTW 2A-T35	06-Aug-08	Chlordane (total)	T	2.8E-06	N
BTW 2A-T35	15-Mar-10	Chlordane (total)	T	4.6E-06	N
BTW 2-S35	12-Jun-07	Chlordane (total)	T	2.9E-06	N
BTW 2-S35	06-Aug-08	Chlordane (total)	T	2.8E-06	N
BTW 2-S35	15-Mar-10	Chlordane (total)	T	4.4E-06	N
BTW 3-U30	12-Jun-07	Chlordane (total)	T	1.5E-05	Y
BTW 3-U30	06-Aug-08	Chlordane (total)	T	2.8E-06	N
BTW 3-U30	15-Mar-10	Chlordane (total)	T	4.4E-06	N
BTW_1A-Q39	06-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1A-R33	11-Jun-07	Chlordane (total)	T	3.0E-06	N
GBW 1A-R33	07-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1A-R33	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1A-R33	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 1A-R33	15-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 1B-Q29	11-Jun-07	Chlordane (total)	T	3.0E-06	N
GBW 1B-Q29	07-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1B-Q29	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 1B-Q29	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 1B-Q29	16-Mar-10	Chlordane (total)	T	4.6E-06	N
GBW 1B-R31	07-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 1B-R31	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1B-R31	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 1B-R31	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1B-R31	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 1B-R31	16-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 1C-Q28	11-Jun-07	Chlordane (total)	T	3.0E-06	N
GBW 1C-Q28	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 1C-Q28	16-Mar-10	Chlordane (total)	T	4.7E-06	N
GBW 1C-Q29	07-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1C-Q29	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1C-Q29	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 1C-Q29	16-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 1D-O28	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 1D-O28	16-Mar-10	Chlordane (total)	T	4.7E-06	N
GBW 1D-Q29	11-Jun-07	Chlordane (total)	T	2.9E-06	N
GBW 1D-Q29	08-Aug-08	Chlordane (total)	T	2.8E-06	N

M6-10A: Chlordane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or No)
GBW 1D-Q29	08-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 1D-Q29	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1D-Q29	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 1D-Q29	16-Mar-10	Chlordane (total)	T	4.7E-06	N
GBW 1E-N28	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 1E-N28	16-Mar-10	Chlordane (total)	T	6.8E-06	N
GBW 1E-Q27	08-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1E-Q27	16-Mar-10	Chlordane (total)	T	1.5E-05	Y
GBW 1E-Q27	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 1E-Q27	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 1F-P26	08-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 1F-P26	07-May-09	Chlordane (total)	T	4.6E-06	N
GBW 1F-P26	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 1F-P26	17-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 1-S35	12-Jun-07	Chlordane (total)	T	2.9E-06	N
GBW 1-S35	06-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 1-S35	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 1-S35	15-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 2A-L26	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 2A-L26	16-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 2A-O25	08-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 2A-O25	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 2A-O25	07-May-09	Chlordane (total)	D	4.6E-06	N
GBW 2A-O25	17-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 2B-L26	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 2B-L26	16-Mar-10	Chlordane (total)	T	4.8E-06	N
GBW 2B-P25	08-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 2B-P25	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 2B-P25	07-May-09	Chlordane (total)	D	4.7E-06	N
GBW 2B-P25	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 2C-P25	08-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 2C-P25	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 2C-P25	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 2C-P25	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 2D-O25	08-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 2D-O25	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 2D-O25	07-May-09	Chlordane (total)	D	4.6E-06	N
GBW 2D-O25	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 2-M27	11-Jun-07	Chlordane (total)	T	3.0E-06	N
GBW 2-M27	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 2-M27	07-May-09	Chlordane (total)	D	4.4E-06	N

M6-10A: Chlordane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or No)
GBW 2-M27	16-Mar-10	Chlordane (total)	T	7.5E-06	N
GBW 3-L27	07-Apr-10	Chlordane (total)	T	4.4E-06	N
GBW 3-N24	08-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 3-N24	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 3-N24	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 3-O25	12-Jun-07	Chlordane (total)	T	2.9E-06	N
GBW 3-O25	11-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 3-O25	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 3-O25	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 3-O25	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 3-O25	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 3-O25	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 3-Q23	11-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 3-Q23	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 3-Q23	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 3-Q23	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 4-N23	08-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 4-N23	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 4-N23	17-Mar-10	Chlordane (total)	T	4.7E-06	N
GBW 4-O23	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 4-O23	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 4-O23	17-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 4-R21	11-Aug-08	Chlordane (total)	T	2.9E-06	N
GBW 4-R21	07-May-09	Chlordane (total)	T	4.4E-06	N
GBW 4-R21	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 4-R21	17-Mar-10	Chlordane (total)	T	4.4E-06	N
GBW 5-R20	11-Aug-08	Chlordane (total)	T	2.8E-06	N
GBW 5-R20	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 5-R20	07-May-09	Chlordane (total)	D	4.4E-06	N
GBW 5-R20	17-Mar-10	Chlordane (total)	T	4.5E-06	N
GBW 6-R20	07-May-09	Chlordane (total)	T	4.5E-06	N
GBW 6-R20	07-May-09	Chlordane (total)	D	4.5E-06	N
GBW 6-R20	17-Mar-10	Chlordane (total)	T	4.5E-06	N
POND 1W-O43	12-Jun-07	Chlordane (total)	T	3.0E-06	N
POND 1W-O43	06-Aug-08	Chlordane (total)	T	2.8E-06	N
POND 1W-O43	22-Mar-10	Chlordane (total)	T	4.5E-06	N
POND 2W-P39	12-Jun-07	Chlordane (total)	T	3.0E-06	N
POND 2W-P39	06-Aug-08	Chlordane (total)	T	2.8E-06	N
POND 2W-P39	22-Mar-10	Chlordane (total)	T	4.4E-06	N
POND 3W-S35	12-Jun-07	Chlordane (total)	T	3.0E-06	N
POND 3W-S35	06-Aug-08	Chlordane (total)	T	2.8E-06	N

M6-10A: Chlordane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or No)
POND 3W-S35	22-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 1A-M42	12-Jun-07	Chlordane (total)	T	3.0E-06	N
UBW 1A-M42	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 1A-M42	07-May-09	Chlordane (total)	D	4.6E-06	N
UBW 1A-M42	15-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 1B-L42	06-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 1B-L42	07-May-09	Chlordane (total)	T	4.6E-06	N
UBW 1B-L42	07-May-09	Chlordane (total)	D	4.7E-06	N
UBW 1B-L42	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 1-O44	15-Jun-07	Chlordane (total)	T	2.9E-06	N
UBW 1-O44	07-May-09	Chlordane (total)	T	4.6E-06	N
UBW 1-O44	15-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 2A-L40	07-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 2A-L40	07-May-09	Chlordane (total)	T	3.2E-05	N
UBW 2A-L40	15-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 2-L41	12-Jun-07	Chlordane (total)	T	3.0E-06	N
UBW 2-L41	06-Aug-08	Chlordane (total)	T	2.9E-06	N
UBW 2-L41	06-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 2-L41	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 2-L41	07-May-09	Chlordane (total)	D	4.5E-06	N
UBW 2-L41	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 2-L41	07-May-09	Chlordane (total)	D	4.6E-06	N
UBW 2-L41	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 3A-J38	07-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 3A-J38	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 3A-J38	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 3-K39	12-Jun-07	Chlordane (total)	T	3.0E-06	N
UBW 3-K39	07-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 3-K39	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 3-K39	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 4-I37	12-Jun-07	Chlordane (total)	T	2.9E-06	N
UBW 4-I37	07-Aug-08	Chlordane (total)	T	2.8E-06	N
UBW 4-I37	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 4-I37	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 5A-H37	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 5A-H37	07-May-09	Chlordane (total)	D	4.7E-06	N
UBW 5A-H37	15-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 5B-G37	07-May-09	Chlordane (total)	T	4.0E-05	N
UBW 5B-G37	16-Mar-10	Chlordane (total)	T	5.3E-06	N
UBW 5C-G37	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 5C-G37	07-May-09	Chlordane (total)	D	4.6E-06	N

M6-10A: Chlordane Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or No)
UBW 5C-G37	16-Mar-10	Chlordane (total)	T	5.6E-06	N
UBW 5D-F37	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 5D-F37	16-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 5-I37	12-Jun-07	Chlordane (total)	T	2.9E-06	N
UBW 5-I37	07-Aug-08	Chlordane (total)	T	2.9E-06	N
UBW 5-I37	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 5-I37	15-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 6A-I36	07-May-09	Chlordane (total)	T	4.6E-06	N
UBW 6A-I36	16-Mar-10	Chlordane (total)	T	8.3E-06	N
UBW 6B-H36	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 6B-H36	16-Mar-10	Chlordane (total)	T	4.5E-06	N
UBW 6C-H35	07-May-09	Chlordane (total)	T	4.5E-06	N
UBW 6C-H35	17-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW 6-I37	12-Jun-07	Chlordane (total)	T	2.9E-06	N
UBW 6-I37	07-Aug-08	Chlordane (total)	T	3.0E-06	N
UBW 6-I37	07-May-09	Chlordane (total)	T	2.9E-05	N
UBW 6-I37	16-Mar-10	Chlordane (total)	T	4.4E-06	N
UBW_1A-M42+20	06-Aug-08	Chlordane (total)	T	2.8E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-10B: Chlordane Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW166-T32A	A	9/12/2008	Chlordane (total)	T	9.4E-06	N
MW205-M27AB	AB	3/8/2010	Chlordane (total)	T	8.3E-06	Y
MW223-L26AB	AB	3/4/2011	Chlordane (total)	T	6.1E-06	Y
MW182-K39AB	AB	3/3/2010	Chlordane (total)	T	4.9E-06	Y
MW192-P41CD	CD	3/1/2010	Chlordane (total)	T	4.8E-06	N
MW168-O28B	B	9/15/2008	Chlordane (total)	T	4.5E-06	N
MW190-N24AB	AB	2/26/2010	Chlordane (total)	T	4.5E-06	N
MW193-Q40CD	CD	3/1/2010	Chlordane (total)	T	4.5E-06	N
MW-1S	A	9/11/2008	Chlordane (total)	T	4.5E-06	N
MW181-I37AB	AB	2/26/2010	Chlordane (total)	T	4.4E-06	N
MW183-O39CD	CD	3/1/2010	Chlordane (total)	T	4.4E-06	N
SW-151-1	A	9/4/2008	Chlordane (total)	T	4.4E-06	N
MW235-P39CD	CD	2/1/2012	Chlordane (total)	T	4.3E-06	N
MW233-O20AB	AB	1/31/2012	Chlordane (total)	T	4.2E-06	N
MW156-P44A	A	6/29/2007	Chlordane (total)	T	3.3E-06	N
MW162-T31A	A	7/16/2007	Chlordane (total)	T	3.3E-06	N
MW165-O28A	A	7/16/2007	Chlordane (total)	T	3.3E-06	N
MW168-O28B	B	7/16/2007	Chlordane (total)	T	3.2E-06	N
SW-152-3	A	7/2/2007	Chlordane (total)	T	3.2E-06	N
M85L-11	B	7/5/2007	Chlordane (total)	T	3.1E-06	N
M85L-4	A	7/26/2007	Chlordane (total)	T	3.1E-06	N
MW155-P43C	C	7/2/2007	Chlordane (total)	T	3.1E-06	N
BW-14	E	8/18/2008	Chlordane (total)	T	3.0E-06	N
MW-149-1	D	8/13/2008	Chlordane (total)	T	3.0E-06	N
MW158-N44A	A	6/27/2007	Chlordane (total)	T	3.0E-06	N
MW167-O44A	A	6/28/2007	Chlordane (total)	T	3.0E-06	N
MW167-O44A	A	8/27/2008	Chlordane (total)	T	3.0E-06	N
MW-1S	A	6/25/2007	Chlordane (total)	T	3.0E-06	N
MW208-L26AB	AB	6/18/2007	Chlordane (total)	T	3.0E-06	N
DW-152-3	B	6/29/2007	Chlordane (total)	T	2.9E-06	N
MW-149-1	D	7/19/2007	Chlordane (total)	T	2.9E-06	N
MW155-P43C	C	8/26/2008	Chlordane (total)	T	2.9E-06	N
MW162-T31A	A	8/19/2008	Chlordane (total)	T	2.9E-06	N
MW166-T32A	A	7/13/2007	Chlordane (total)	T	2.9E-06	N
SW-13	B	7/17/2007	Chlordane (total)	T	2.9E-06	N
SW-151-1	A	6/14/2007	Chlordane (total)	T	2.9E-06	N
SW-151-2	A	7/9/2007	Chlordane (total)	T	2.9E-06	N
SW-152-3	A	8/26/2008	Chlordane (total)	T	2.9E-06	N
BW-14	E	7/16/2007	Chlordane (total)	T	2.8E-06	N
DW-152-3	B	8/26/2008	Chlordane (total)	T	2.8E-06	N
MW155-P43C	C	7/19/2007	Chlordane (total)	T	2.8E-06	N

M6-10B: Chlordane Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW158-N44A	A	8/27/2008	Chlordane (total)	T	2.8E-06	N
SW-151-2	A	8/22/2008	Chlordane (total)	T	2.8E-06	N
MW216-G37AB	AB	3/3/2011	Chlordane (total)	T	2.4E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-11A: DDT, DDD, and DDE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1E-Q27	16-Mar-10	4,4'-DDE	T	2.6E-05	N
UBW 2A-L40	07-May-09	4,4'-DDE	T	5.2E-06	Y
GBW 2B-L26	16-Mar-10	4,4'-DDE	T	5.1E-06	N
POND 1W-O43	12-Jun-07	4,4'-DDE	T	5.1E-06	N
UBW 1A-M42	12-Jun-07	4,4'-DDE	T	5.1E-06	N
BTW 1-P44	12-Jun-07	4,4'-DDE	T	5.0E-06	N
BTW 1-P45	15-Mar-10	4,4'-DDE	T	5.0E-06	N
GBW 1B-Q29	11-Jun-07	4,4'-DDE	T	5.0E-06	N
GBW 1C-Q28	16-Mar-10	4,4'-DDE	T	5.0E-06	N
GBW 1D-O28	16-Mar-10	4,4'-DDE	T	5.0E-06	N
GBW 1D-Q29	16-Mar-10	4,4'-DDE	T	5.0E-06	N
GBW 2-M27	11-Jun-07	4,4'-DDE	T	5.0E-06	N
GBW 4-N23	17-Mar-10	4,4'-DDE	T	5.0E-06	N
POND 2W-P39	12-Jun-07	4,4'-DDE	T	5.0E-06	N
POND 3W-S35	12-Jun-07	4,4'-DDE	T	5.0E-06	N
UBW 2-L41	12-Jun-07	4,4'-DDE	T	5.0E-06	N
BTW 2A-T35	15-Mar-10	4,4'-DDE	T	4.9E-06	N
BTW 3-U30	12-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 1A-R33	11-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 1C-Q28	11-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 1D-Q29	11-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 1-S35	12-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 2-M27	16-Mar-10	4,4'-DDE	T	4.9E-06	N
GBW 3-O25	12-Jun-07	4,4'-DDE	T	4.9E-06	N
GBW 3-O25	11-Aug-08	4,4'-DDE	T	4.9E-06	N
UBW 3-K39	12-Jun-07	4,4'-DDE	T	4.9E-06	N
UBW 5-I37	07-Aug-08	4,4'-DDE	T	4.9E-06	N
UBW 6-I37	07-Aug-08	4,4'-DDE	T	4.9E-06	N
BTW 2-S35	12-Jun-07	4,4'-DDE	T	4.8E-06	N
GBW 1A-R33	15-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 1B-Q29	16-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 1B-R31	07-Aug-08	4,4'-DDE	T	4.8E-06	N
GBW 1C-Q29	16-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 1D-Q29	08-Aug-08	4,4'-DDE	T	4.8E-06	N
GBW 1F-P26	08-Aug-08	4,4'-DDE	T	4.8E-06	N
GBW 2A-O25	08-Aug-08	4,4'-DDE	T	4.8E-06	N
GBW 2B-P25	17-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 2D-O25	17-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 3-N24	08-Aug-08	4,4'-DDE	T	4.8E-06	N
GBW 3-N24	17-Mar-10	4,4'-DDE	T	4.8E-06	N
GBW 3-Q23	17-Mar-10	4,4'-DDE	T	4.8E-06	N

M6-11A: DDT, DDD, and DDE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 4-R21	11-Aug-08	4,4'-DDE	T	4.8E-06	N
POND 1W-O43	22-Mar-10	4,4'-DDE	T	4.8E-06	N
POND 3W-S35	22-Mar-10	4,4'-DDE	T	4.8E-06	N
UBW 1-O44	15-Jun-07	4,4'-DDE	T	4.8E-06	N
UBW 2-L41	06-Aug-08	4,4'-DDE	T	4.8E-06	N
UBW 4-I37	12-Jun-07	4,4'-DDE	T	4.8E-06	N
UBW 5C-G37	16-Mar-10	4,4'-DDE	T	4.8E-06	N
UBW 5-I37	12-Jun-07	4,4'-DDE	T	4.8E-06	N
UBW 6B-H36	16-Mar-10	4,4'-DDE	T	4.8E-06	N
UBW 6-I37	12-Jun-07	4,4'-DDE	T	4.8E-06	N
BTW 1-P44	06-Aug-08	4,4'-DDE	T	4.7E-06	N
BTW 1-P44	15-Mar-10	4,4'-DDE	T	4.7E-06	N
BTW 1-P45	06-Aug-08	4,4'-DDE	T	4.7E-06	N
BTW 2A-T35	06-Aug-08	4,4'-DDE	T	4.7E-06	N
BTW 2-S35	06-Aug-08	4,4'-DDE	T	4.7E-06	N
BTW 2-S35	15-Mar-10	4,4'-DDE	T	4.7E-06	N
BTW 3-U30	06-Aug-08	4,4'-DDE	T	4.7E-06	N
BTW 3-U30	15-Mar-10	4,4'-DDE	T	4.7E-06	N
BTW_1A-Q39	06-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1A-R33	07-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1B-Q29	07-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1B-R31	16-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 1C-Q29	07-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1D-Q29	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1E-N28	16-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 1E-Q27	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1F-P26	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 1-S35	06-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 1-S35	15-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 2A-L26	16-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 2A-O25	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 2B-P25	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 2C-P25	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 2C-P25	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 2D-O25	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 3-L27	07-Apr-10	4,4'-DDE	T	4.7E-06	N
GBW 3-O25	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 3-Q23	11-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 4-N23	08-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 4-O23	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 4-R21	17-Mar-10	4,4'-DDE	T	4.7E-06	N

M6-11A: DDT, DDD, and DDE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 5-R20	11-Aug-08	4,4'-DDE	T	4.7E-06	N
GBW 5-R20	17-Mar-10	4,4'-DDE	T	4.7E-06	N
GBW 6-R20	17-Mar-10	4,4'-DDE	T	4.7E-06	N
POND 1W-O43	06-Aug-08	4,4'-DDE	T	4.7E-06	N
POND 2W-P39	06-Aug-08	4,4'-DDE	T	4.7E-06	N
POND 2W-P39	22-Mar-10	4,4'-DDE	T	4.7E-06	N
POND 3W-S35	06-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 1A-M42	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 1B-L42	06-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 1B-L42	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 1-O44	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 2A-L40	07-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 2A-L40	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 2-L41	07-May-09	4,4'-DDE	D	4.7E-06	Y
UBW 2-L41	06-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 2-L41	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 3A-J38	07-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 3A-J38	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 3-K39	07-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 3-K39	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 4-I37	07-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 4-I37	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 5A-H37	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 5B-G37	16-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 5D-F37	16-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 5-I37	15-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 6A-I36	16-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 6C-H35	17-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW 6-I37	16-Mar-10	4,4'-DDE	T	4.7E-06	N
UBW_1A-M42+20	06-Aug-08	4,4'-DDE	T	4.7E-06	N
UBW 5D-F37	07-May-09	4,4'-DDE	T	4.5E-06	Y
GBW 2B-P25	07-May-09	4,4'-DDE	D	4.0E-06	N
UBW 1A-M42	07-May-09	4,4'-DDE	D	4.0E-06	N
UBW 1B-L42	07-May-09	4,4'-DDE	D	4.0E-06	N
UBW 5A-H37	07-May-09	4,4'-DDE	D	4.0E-06	N
UBW 6A-I36	07-May-09	4,4'-DDE	T	4.0E-06	N
GBW 1F-P26	07-May-09	4,4'-DDE	T	3.9E-06	N
GBW 2A-O25	07-May-09	4,4'-DDE	D	3.9E-06	N
GBW 2D-O25	07-May-09	4,4'-DDE	D	3.9E-06	N
UBW 1B-L42	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 1-O44	07-May-09	4,4'-DDE	T	3.9E-06	N

M6-11A: DDT, DDD, and DDE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 2-L41	07-May-09	4,4'-DDE	D	3.9E-06	N
UBW 3A-J38	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 3-K39	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 5B-G37	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 5C-G37	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 5C-G37	07-May-09	4,4'-DDE	D	3.9E-06	N
UBW 6B-H36	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 6C-H35	07-May-09	4,4'-DDE	T	3.9E-06	N
UBW 6-I37	07-May-09	4,4'-DDE	T	3.9E-06	N
GBW 1A-R33	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1A-R33	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1B-Q29	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1B-Q29	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1B-R31	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1B-R31	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1B-R31	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1B-R31	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1C-Q28	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1C-Q29	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1C-Q29	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1D-O28	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1D-Q29	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1D-Q29	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1E-N28	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1E-Q27	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 1E-Q27	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1F-P26	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 1-S35	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2A-L26	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2A-O25	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2B-L26	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2B-P25	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2C-P25	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2C-P25	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 2D-O25	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2-M27	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 2-M27	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 3-N24	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 3-O25	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 3-O25	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 3-O25	07-May-09	4,4'-DDE	T	3.8E-06	N

M6-11A: DDT, DDD, and DDE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 3-O25	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 3-Q23	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 3-Q23	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 4-N23	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 4-O23	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 4-O23	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 4-R21	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 4-R21	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 5-R20	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 5-R20	07-May-09	4,4'-DDE	D	3.8E-06	N
GBW 6-R20	07-May-09	4,4'-DDE	T	3.8E-06	N
GBW 6-R20	07-May-09	4,4'-DDE	D	3.8E-06	N
UBW 1A-M42	07-May-09	4,4'-DDE	T	3.8E-06	N
UBW 2-L41	07-May-09	4,4'-DDE	T	3.8E-06	N
UBW 2-L41	07-May-09	4,4'-DDE	T	3.8E-06	N
UBW 4-I37	07-May-09	4,4'-DDE	T	3.8E-06	N
UBW 5A-H37	07-May-09	4,4'-DDE	T	3.8E-06	N
UBW 5-I37	07-May-09	4,4'-DDE	T	3.8E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-11B: DDT, DDD, and DDE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW223-L26AB	AB	3/4/2011	4,4'-DDD	T	2.0E-05	N
MW166-T32A	A	9/12/2008	4,4'-DDT	T	1.2E-05	N
MW182-K39AB	AB	3/3/2010	4,4'-DDT	T	1.2E-05	Y
MW182-K39AB	AB	3/3/2010	4,4'-DDD	T	1.2E-05	N
MW192-P41CD	CD	3/1/2010	4,4'-DDD	T	1.2E-05	N
MW192-P41CD	CD	3/1/2010	4,4'-DDT	T	1.2E-05	N
MW181-I37AB	AB	2/26/2010	4,4'-DDD	T	1.1E-05	N
MW181-I37AB	AB	2/26/2010	4,4'-DDT	T	1.1E-05	N
MW183-O39CD	CD	3/1/2010	4,4'-DDD	T	1.1E-05	N
MW183-O39CD	CD	3/1/2010	4,4'-DDT	T	1.1E-05	N
MW190-N24AB	AB	2/26/2010	4,4'-DDD	T	1.1E-05	N
MW190-N24AB	AB	2/26/2010	4,4'-DDT	T	1.1E-05	N
MW193-Q40CD	CD	3/1/2010	4,4'-DDD	T	1.1E-05	N
MW193-Q40CD	CD	3/1/2010	4,4'-DDT	T	1.1E-05	N
MW205-M27AB	AB	3/8/2010	4,4'-DDD	T	1.1E-05	N
MW205-M27AB	AB	3/8/2010	4,4'-DDT	T	1.1E-05	N
MW-149-1	D	7/19/2007	4,4'-DDD	T	8.3E-06	Y
MW166-T32A	A	9/12/2008	4,4'-DDD	T	8.0E-06	N
MW166-T32A	A	9/12/2008	4,4'-DDE	T	8.0E-06	N
MW156-P44A	A	6/29/2007	4,4'-DDT	T	6.6E-06	N
MW162-T31A	A	7/16/2007	4,4'-DDT	T	6.6E-06	N
MW165-O28A	A	7/16/2007	4,4'-DDT	T	6.5E-06	N
SW-152-3	A	7/2/2007	4,4'-DDT	T	6.5E-06	N
MW168-O28B	B	7/16/2007	4,4'-DDT	T	6.4E-06	N
M85L-4	A	7/26/2007	4,4'-DDT	T	6.2E-06	N
MW155-P43C	C	7/2/2007	4,4'-DDT	T	6.2E-06	N
M85L-11	B	7/5/2007	4,4'-DDT	T	6.1E-06	N
MW158-N44A	A	6/27/2007	4,4'-DDT	T	6.1E-06	N
MW167-O44A	A	6/28/2007	4,4'-DDT	T	6.1E-06	N
BW-14	E	8/18/2008	4,4'-DDT	T	6.0E-06	N
MW167-O44A	A	8/27/2008	4,4'-DDT	T	6.0E-06	N
MW-1S	A	6/25/2007	4,4'-DDT	T	6.0E-06	N
MW208-L26AB	AB	6/18/2007	4,4'-DDT	T	6.0E-06	N
MW-149-1	D	8/13/2008	4,4'-DDT	T	5.9E-06	N
MW162-T31A	A	8/19/2008	4,4'-DDT	T	5.8E-06	N
MW166-T32A	A	7/13/2007	4,4'-DDT	T	5.8E-06	N
MW168-O28B	B	9/15/2008	4,4'-DDT	T	5.8E-06	N
MW-1S	A	9/11/2008	4,4'-DDT	T	5.8E-06	N
SW-151-2	A	7/9/2007	4,4'-DDT	T	5.8E-06	N
DW-152-3	B	6/29/2007	4,4'-DDT	T	5.7E-06	N
DW-152-3	B	8/26/2008	4,4'-DDT	T	5.7E-06	N

M6-11B: DDT, DDD, and DDE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW-149-1	D	7/19/2007	4,4'-DDT	T	5.7E-06	N
MW155-P43C	C	7/19/2007	4,4'-DDT	T	5.7E-06	N
MW155-P43C	C	8/26/2008	4,4'-DDT	T	5.7E-06	N
MW158-N44A	A	8/27/2008	4,4'-DDT	T	5.7E-06	N
SW-13	B	7/17/2007	4,4'-DDT	T	5.7E-06	N
SW-151-1	A	6/14/2007	4,4'-DDT	T	5.7E-06	N
SW-151-1	A	9/4/2008	4,4'-DDT	T	5.7E-06	N
SW-151-2	A	8/22/2008	4,4'-DDT	T	5.7E-06	N
SW-152-3	A	8/26/2008	4,4'-DDT	T	5.7E-06	N
BW-14	E	7/16/2007	4,4'-DDT	T	5.6E-06	N
MW156-P44A	A	6/29/2007	4,4'-DDE	T	5.5E-06	N
MW162-T31A	A	7/16/2007	4,4'-DDE	T	5.5E-06	N
MW165-O28A	A	7/16/2007	4,4'-DDE	T	5.4E-06	N
SW-152-3	A	7/2/2007	4,4'-DDE	T	5.4E-06	N
MW168-O28B	B	7/16/2007	4,4'-DDE	T	5.3E-06	N
MW155-P43C	C	7/2/2007	4,4'-DDE	T	5.2E-06	N
M85L-11	B	7/5/2007	4,4'-DDE	T	5.1E-06	N
M85L-4	A	7/26/2007	4,4'-DDE	T	5.1E-06	N
MW158-N44A	A	6/27/2007	4,4'-DDE	T	5.1E-06	N
MW167-O44A	A	6/28/2007	4,4'-DDE	T	5.1E-06	N
MW192-P41CD	CD	3/1/2010	4,4'-DDE	T	5.1E-06	N
BW-14	E	8/18/2008	4,4'-DDE	T	5.0E-06	N
MW167-O44A	A	8/27/2008	4,4'-DDE	T	5.0E-06	N
MW182-K39AB	AB	3/3/2010	4,4'-DDE	T	5.0E-06	N
MW-1S	A	6/25/2007	4,4'-DDE	T	5.0E-06	N
MW208-L26AB	AB	6/18/2007	4,4'-DDE	T	5.0E-06	N
MW235-P39CD	CD	2/1/2012	4,4'-DDD	T	5.0E-06	N
MW235-P39CD	CD	2/1/2012	4,4'-DDE	T	5.0E-06	N
MW235-P39CD	CD	2/1/2012	4,4'-DDT	T	5.0E-06	N
MW-149-1	D	8/13/2008	4,4'-DDE	T	4.9E-06	N
MW162-T31A	A	8/19/2008	4,4'-DDE	T	4.9E-06	N
MW166-T32A	A	7/13/2007	4,4'-DDE	T	4.9E-06	N
MW233-O20AB	AB	1/31/2012	4,4'-DDD	T	4.9E-06	N
MW233-O20AB	AB	1/31/2012	4,4'-DDE	T	4.9E-06	N
MW233-O20AB	AB	1/31/2012	4,4'-DDT	T	4.9E-06	N
DW-152-3	B	6/29/2007	4,4'-DDE	T	4.8E-06	N
MW-149-1	D	7/19/2007	4,4'-DDE	T	4.8E-06	N
MW155-P43C	C	8/26/2008	4,4'-DDE	T	4.8E-06	N
MW190-N24AB	AB	2/26/2010	4,4'-DDE	T	4.8E-06	N
MW205-M27AB	AB	3/8/2010	4,4'-DDE	T	4.8E-06	N
MW216-G37AB	AB	3/3/2011	4,4'-DDD	T	4.8E-06	N

M6-11B: DDT, DDD, and DDE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW216-G37AB	AB	3/3/2011	4,4'-DDE	T	4.8E-06	N
MW216-G37AB	AB	3/3/2011	4,4'-DDT	T	4.8E-06	N
MW223-L26AB	AB	3/4/2011	4,4'-DDE	T	4.8E-06	N
MW223-L26AB	AB	3/4/2011	4,4'-DDT	T	4.8E-06	N
SW-13	B	7/17/2007	4,4'-DDE	T	4.8E-06	N
SW-151-1	A	6/14/2007	4,4'-DDE	T	4.8E-06	N
SW-151-2	A	7/9/2007	4,4'-DDE	T	4.8E-06	N
SW-152-3	A	8/26/2008	4,4'-DDE	T	4.8E-06	N
BW-14	E	7/16/2007	4,4'-DDE	T	4.7E-06	N
DW-152-3	B	8/26/2008	4,4'-DDE	T	4.7E-06	N
MW155-P43C	C	7/19/2007	4,4'-DDE	T	4.7E-06	N
MW158-N44A	A	8/27/2008	4,4'-DDE	T	4.7E-06	N
MW181-I37AB	AB	2/26/2010	4,4'-DDE	T	4.7E-06	N
MW183-O39CD	CD	3/1/2010	4,4'-DDE	T	4.7E-06	N
MW193-Q40CD	CD	3/1/2010	4,4'-DDE	T	4.7E-06	N
SW-151-2	A	8/22/2008	4,4'-DDE	T	4.7E-06	N
MW156-P44A	A	6/29/2007	4,4'-DDD	T	4.4E-06	N
MW162-T31A	A	7/16/2007	4,4'-DDD	T	4.4E-06	N
MW165-O28A	A	7/16/2007	4,4'-DDD	T	4.3E-06	N
MW168-O28B	B	7/16/2007	4,4'-DDD	T	4.3E-06	N
SW-152-3	A	7/2/2007	4,4'-DDD	T	4.3E-06	N
M85L-11	B	7/5/2007	4,4'-DDD	T	4.1E-06	N
M85L-4	A	7/26/2007	4,4'-DDD	T	4.1E-06	N
MW155-P43C	C	7/2/2007	4,4'-DDD	T	4.1E-06	N
MW158-N44A	A	6/27/2007	4,4'-DDD	T	4.1E-06	N
MW167-O44A	A	6/28/2007	4,4'-DDD	T	4.1E-06	N
BW-14	E	8/18/2008	4,4'-DDD	T	4.0E-06	N
MW-149-1	D	8/13/2008	4,4'-DDD	T	4.0E-06	N
MW167-O44A	A	8/27/2008	4,4'-DDD	T	4.0E-06	N
MW-1S	A	6/25/2007	4,4'-DDD	T	4.0E-06	N
MW208-L26AB	AB	6/18/2007	4,4'-DDD	T	4.0E-06	N
MW162-T31A	A	8/19/2008	4,4'-DDD	T	3.9E-06	N
MW166-T32A	A	7/13/2007	4,4'-DDD	T	3.9E-06	N
MW-1S	A	9/11/2008	4,4'-DDD	T	3.9E-06	N
MW-1S	A	9/11/2008	4,4'-DDE	T	3.9E-06	N
SW-151-2	A	7/9/2007	4,4'-DDD	T	3.9E-06	N
DW-152-3	B	6/29/2007	4,4'-DDD	T	3.8E-06	N
DW-152-3	B	8/26/2008	4,4'-DDD	T	3.8E-06	N
MW155-P43C	C	7/19/2007	4,4'-DDD	T	3.8E-06	N
MW155-P43C	C	8/26/2008	4,4'-DDD	T	3.8E-06	N
MW158-N44A	A	8/27/2008	4,4'-DDD	T	3.8E-06	N

M6-11B: DDT, DDD, and DDE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW168-O28B	B	9/15/2008	4,4'-DDD	T	3.8E-06	N
MW168-O28B	B	9/15/2008	4,4'-DDE	T	3.8E-06	N
SW-13	B	7/17/2007	4,4'-DDD	T	3.8E-06	N
SW-151-1	A	6/14/2007	4,4'-DDD	T	3.8E-06	N
SW-151-1	A	9/4/2008	4,4'-DDD	T	3.8E-06	N
SW-151-1	A	9/4/2008	4,4'-DDE	T	3.8E-06	N
SW-151-2	A	8/22/2008	4,4'-DDD	T	3.8E-06	N
SW-152-3	A	8/26/2008	4,4'-DDD	T	3.8E-06	N
BW-14	E	7/16/2007	4,4'-DDD	T	3.7E-06	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-12A: TCE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 5-I37	15-Mar-10	Trichloroethylene	T	0.096	Y
UBW 5-I37	24-Oct-11	Trichloroethylene	T	0.078	Y
UBW 5-I37	07-May-09	Trichloroethylene	T	0.068	Y
GBW 2-M27	26-Oct-11	Trichloroethylene	T	0.043	Y
UBW 5-I37	12-Jun-07	Trichloroethylene	T	0.029	Y
UBW 5A-H37	15-Mar-10	Trichloroethylene	T	0.025	Y
UBW 5A-H37	07-May-09	Trichloroethylene	T	0.024	Y
UBW 5B-G37	16-Mar-10	Trichloroethylene	T	0.021	Y
GBW 2-M27	16-Mar-10	Trichloroethylene	T	0.02	Y
UBW 4-I37	15-Mar-10	Trichloroethylene	T	0.018	Y
UBW 5B-G37	07-May-09	Trichloroethylene	T	0.018	Y
GBW 2-M27	07-May-09	Trichloroethylene	T	0.015	Y
UBW 4-I37	07-May-09	Trichloroethylene	T	0.014	Y
UBW 5D-F37	16-Mar-10	Trichloroethylene	T	0.0091	Y
UBW 5D-F37	07-May-09	Trichloroethylene	T	0.009	Y
GBW 1E-N28	16-Mar-10	Trichloroethylene	T	0.0083	Y
UBW 5-I37	07-Aug-08	Trichloroethylene	T	0.008	Y
UBW 2-L41	15-Mar-10	Trichloroethylene	T	0.0075	Y
UBW 3A-J38	15-Mar-10	Trichloroethylene	T	0.0071	Y
UBW 4-I37	24-Oct-11	Trichloroethylene	T	0.0059	Y
UBW 3A-J38	07-May-09	Trichloroethylene	T	0.0051	Y
UBW 6-I37	24-Oct-11	Trichloroethylene	T	0.005	Y
UBW 3-K39	15-Mar-10	Trichloroethylene	T	0.0039	Y
UBW 6-I37	07-Aug-08	Trichloroethylene	T	0.0039	Y
GBW 1D-O28	16-Mar-10	Trichloroethylene	T	0.0037	Y
UBW 1B-L42	15-Mar-10	Trichloroethylene	T	0.0037	Y
UBW 2A-L40	15-Mar-10	Trichloroethylene	T	0.0034	Y
GBW 2-M27	11-Jun-07	Trichloroethylene	T	0.0033	Y
UBW 2-L41	12-Jun-07	Trichloroethylene	T	0.0031	Y
UBW 6-I37	07-May-09	Trichloroethylene	T	0.0031	Y
UBW 6-I37	16-Mar-10	Trichloroethylene	T	0.003	Y
UBW 2-L41	06-Aug-08	Trichloroethylene	T	0.0029	Y
UBW 2-L41	06-Aug-08	Trichloroethylene	T	0.0028	Y
UBW 2-L41	07-May-09	Trichloroethylene	T	0.0027	Y
UBW 4-I37	12-Jun-07	Trichloroethylene	T	0.0027	Y
UBW 1A-M42	15-Mar-10	Trichloroethylene	T	0.0026	Y
UBW 2-L41	07-May-09	Trichloroethylene	T	0.0026	Y
GBW 1C-Q28	16-Mar-10	Trichloroethylene	T	0.0025	Y
UBW 3-K39	07-May-09	Trichloroethylene	T	0.0025	Y
UBW 6-I37	12-Jun-07	Trichloroethylene	T	0.0025	Y
UBW 2A-L40	07-May-09	Trichloroethylene	T	0.0023	Y

M6-12A: TCE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1E-N28	07-May-09	Trichloroethylene	T	0.0019	Y
UBW 3-K39	12-Jun-07	Trichloroethylene	T	0.0019	Y
UBW 5C-G37	07-May-09	Trichloroethylene	T	0.0016	Y
UBW 5C-G37	16-Mar-10	Trichloroethylene	T	0.0016	Y
GBW 1D-O28	07-May-09	Trichloroethylene	T	0.001	Y
UBW 3A-J38	24-Oct-11	Trichloroethylene	T	0.001	Y
GBW 1C-Q29	16-Mar-10	Trichloroethylene	T	0.0009	Y
POND 2W-P39	22-Mar-10	Trichloroethylene	T	0.0009	Y
UBW 1B-L42	07-May-09	Trichloroethylene	T	0.0009	Y
UBW 4-I37	07-Aug-08	Trichloroethylene	T	0.0009	Y
UBW 1-O44	15-Mar-10	Trichloroethylene	T	0.0008	Y
GBW 2A-L26	07-May-09	Trichloroethylene	T	0.0007	Y
GBW 2D-O25	17-Mar-10	Trichloroethylene	T	0.0007	Y
GBW 2D-O25	26-Oct-11	Trichloroethylene	T	0.0007	Y
UBW 1A-M42	07-May-09	Trichloroethylene	T	0.0007	Y
GBW 2D-O25	07-May-09	Trichloroethylene	T	0.0006	Y
UBW 6A-I36	07-May-09	Trichloroethylene	T	0.0006	Y
GBW 1C-Q28	07-May-09	Trichloroethylene	T	0.0005	Y
GBW 2A-L26	16-Mar-10	Trichloroethylene	T	0.0005	Y
UBW 2A-L40	07-Aug-08	Trichloroethylene	T	0.0005	Y
UBW 6B-H36	16-Mar-10	Trichloroethylene	T	0.0005	Y
GBW 2A-O25	17-Mar-10	Trichloroethylene	T	0.0004	Y
UBW 6A-I36	16-Mar-10	Trichloroethylene	T	0.0004	Y
GBW 1C-Q28	11-Jun-07	Trichloroethylene	T	0.0003	Y
GBW 2A-O25	07-May-09	Trichloroethylene	T	0.0003	Y
POND 1W-O43	22-Mar-10	Trichloroethylene	T	0.0003	Y
POND 2W-P39	12-Jun-07	Trichloroethylene	T	0.0003	Y
GBW 1C-Q29	07-May-09	Trichloroethylene	T	0.0002	Y
GBW 3-O25	12-Jun-07	Trichloroethylene	T	0.0002	Y
POND 2W-P39	06-Aug-08	Trichloroethylene	T	0.0002	Y
UBW 1-O44	07-May-09	Trichloroethylene	T	0.0002	Y
UBW 6B-H36	07-May-09	Trichloroethylene	T	0.0002	Y
BTW 1-P44	12-Jun-07	Trichloroethylene	T	0.0001	N
BTW 1-P44	06-Aug-08	Trichloroethylene	T	0.0001	N
BTW 1-P44	15-Mar-10	Trichloroethylene	T	0.0001	N
BTW 1-P44	24-Oct-11	Trichloroethylene	T	0.0001	N
BTW 1-P45	06-Aug-08	Trichloroethylene	T	0.0001	N
BTW 1-P45	15-Mar-10	Trichloroethylene	T	0.0001	N
BTW 1-P45	24-Oct-11	Trichloroethylene	T	0.0001	N
BTW 2A-T35	06-Aug-08	Trichloroethylene	T	0.0001	N
BTW 2A-T35	15-Mar-10	Trichloroethylene	T	0.0001	N

M6-12A: TCE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
BTW 2A-T35	25-Oct-11	Trichloroethylene	T	0.0001	N
BTW 2-S35	12-Jun-07	Trichloroethylene	T	0.0001	N
BTW 2-S35	06-Aug-08	Trichloroethylene	T	0.0001	N
BTW 2-S35	15-Mar-10	Trichloroethylene	T	0.0001	N
BTW 2-S35	25-Oct-11	Trichloroethylene	T	0.0001	N
BTW 3-U30	12-Jun-07	Trichloroethylene	T	0.0001	N
BTW 3-U30	06-Aug-08	Trichloroethylene	T	0.0001	N
BTW 3-U30	15-Mar-10	Trichloroethylene	T	0.0001	N
BTW 3-U30	25-Oct-11	Trichloroethylene	T	0.0001	N
BTW_1A-Q39	06-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1A-R33	11-Jun-07	Trichloroethylene	T	0.0001	N
GBW 1A-R33	07-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1A-R33	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1A-R33	15-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1B-Q29	11-Jun-07	Trichloroethylene	T	0.0001	N
GBW 1B-Q29	07-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1B-Q29	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1B-Q29	16-Mar-10	Trichloroethylene	T	0.0001	Y
GBW 1B-R31	07-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1B-R31	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1B-R31	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1B-R31	16-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1C-Q29	07-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1D-Q29	11-Jun-07	Trichloroethylene	T	0.0001	N
GBW 1D-Q29	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1D-Q29	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1D-Q29	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1D-Q29	16-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1E-Q27	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1E-Q27	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1E-Q27	16-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1F-P26	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1F-P26	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1F-P26	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1-S35	12-Jun-07	Trichloroethylene	T	0.0001	N
GBW 1-S35	06-Aug-08	Trichloroethylene	T	0.0001	N
GBW 1-S35	07-May-09	Trichloroethylene	T	0.0001	N
GBW 1-S35	15-Mar-10	Trichloroethylene	T	0.0001	N
GBW 1-S35	25-Oct-11	Trichloroethylene	T	0.0001	N
GBW 2A-L26	26-Oct-11	Trichloroethylene	T	0.0001	N
GBW 2A-O25	08-Aug-08	Trichloroethylene	T	0.0001	N

M6-12A: TCE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 2B-L26	07-May-09	Trichloroethylene	T	0.0001	N
GBW 2B-L26	16-Mar-10	Trichloroethylene	T	0.0001	N
GBW 2B-P25	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 2B-P25	07-May-09	Trichloroethylene	T	0.0001	N
GBW 2B-P25	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 2C-P25	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 2C-P25	07-May-09	Trichloroethylene	T	0.0001	N
GBW 2C-P25	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 2D-O25	08-Aug-08	Trichloroethylene	T	0.0001	Y
GBW 3-L27	07-Apr-10	Trichloroethylene	T	0.0001	N
GBW 3-N24	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 3-N24	07-May-09	Trichloroethylene	T	0.0001	N
GBW 3-N24	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 3-O25	11-Aug-08	Trichloroethylene	T	0.0001	N
GBW 3-O25	07-May-09	Trichloroethylene	T	0.0001	N
GBW 3-O25	07-May-09	Trichloroethylene	T	0.0001	N
GBW 3-O25	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 3-Q23	11-Aug-08	Trichloroethylene	T	0.0001	N
GBW 3-Q23	07-May-09	Trichloroethylene	T	0.0001	N
GBW 3-Q23	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 4-N23	08-Aug-08	Trichloroethylene	T	0.0001	N
GBW 4-N23	07-May-09	Trichloroethylene	T	0.0001	N
GBW 4-N23	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 4-O23	07-May-09	Trichloroethylene	T	0.0001	N
GBW 4-O23	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 4-R21	11-Aug-08	Trichloroethylene	T	0.0001	N
GBW 4-R21	07-May-09	Trichloroethylene	T	0.0001	N
GBW 4-R21	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 5-R20	11-Aug-08	Trichloroethylene	T	0.0001	N
GBW 5-R20	07-May-09	Trichloroethylene	T	0.0001	N
GBW 5-R20	17-Mar-10	Trichloroethylene	T	0.0001	N
GBW 6-R20	07-May-09	Trichloroethylene	T	0.0001	N
GBW 6-R20	17-Mar-10	Trichloroethylene	T	0.0001	N
POND 1W-O43	12-Jun-07	Trichloroethylene	T	0.0001	N
POND 1W-O43	06-Aug-08	Trichloroethylene	T	0.0001	N
POND 3W-S35	12-Jun-07	Trichloroethylene	T	0.0001	N
POND 3W-S35	06-Aug-08	Trichloroethylene	T	0.0001	N
POND 3W-S35	22-Mar-10	Trichloroethylene	T	0.0001	N
UBW 1A-M42	12-Jun-07	Trichloroethylene	T	0.0001	Y
UBW 1B-L42	06-Aug-08	Trichloroethylene	T	0.0001	N
UBW 1-O44	15-Jun-07	Trichloroethylene	T	0.0001	N

M6-12A: TCE Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 1-O44	24-Oct-11	Trichloroethylene	T	0.0001	N
UBW 3A-J38	07-Aug-08	Trichloroethylene	T	0.0001	N
UBW 3-K39	07-Aug-08	Trichloroethylene	T	0.0001	Y
UBW 6C-H35	07-May-09	Trichloroethylene	T	0.0001	N
UBW 6C-H35	17-Mar-10	Trichloroethylene	T	0.0001	N
UBW_1A-M42+20	06-Aug-08	Trichloroethylene	T	0.0001	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-12B: TCE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Analyte	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW223-L26AB	AB	04-Mar-11	Trichloroethylene	T	3.0E+01	Y
MW-149-1	D	19-Jul-07	Trichloroethylene	T	3.7E-01	Y
MW183-O39CD	CD	01-Mar-10	Trichloroethylene	T	3.6E-01	Y
MW-149-1	D	13-Aug-08	Trichloroethylene	T	3.5E-01	Y
MW183-O39CD	CD	20-Oct-11	Trichloroethylene	T	3.1E-01	Y
MW205-M27AB	AB	08-Mar-10	Trichloroethylene	T	4.8E-02	Y
MW205-M27AB	AB	31-Oct-11	Trichloroethylene	T	2.7E-02	Y
SW-151-1	A	14-Jun-07	Trichloroethylene	T	4.5E-03	Y
SW-151-1	A	04-Sep-08	Trichloroethylene	T	4.1E-03	Y
MW235-P39CD	CD	01-Feb-12	Trichloroethylene	T	2.8E-03	Y
MW182-K39AB	AB	03-Mar-10	Trichloroethylene	T	2.5E-03	Y
MW193-Q40CD	CD	01-Mar-10	Trichloroethylene	T	1.0E-03	Y
MW193-Q40CD	CD	25-Feb-11	Trichloroethylene	T	1.0E-03	Y
MW-1S	A	23-Oct-07	Trichloroethylene	T	1.0E-03	N
MW-1S	A	21-Oct-08	Trichloroethylene	T	1.0E-03	N
MW208-L26AB	AB	22-Oct-07	Trichloroethylene	T	1.0E-03	N
MW208-L26AB	AB	21-Oct-08	Trichloroethylene	T	1.0E-03	N
SW-13	B	22-Oct-07	Trichloroethylene	T	1.0E-03	N
SW-13	B	21-Oct-08	Trichloroethylene	T	1.0E-03	N
MW193-Q40CD	CD	19-Oct-11	Trichloroethylene	T	7.0E-04	Y
M85L-4	A	26-Jul-07	Trichloroethylene	T	4.0E-04	Y
MW192-P41CD	CD	01-Mar-10	Trichloroethylene	T	4.0E-04	Y
MW-1S	A	25-Jun-07	Trichloroethylene	T	4.0E-04	Y
SW-151-2	A	09-Jul-07	Trichloroethylene	T	4.0E-04	Y
M85L-11	B	05-Jul-07	Trichloroethylene	T	3.0E-04	Y
MW208-L26AB	AB	18-Jun-07	Trichloroethylene	T	3.0E-04	Y
MW181-I37AB	AB	26-Feb-10	Trichloroethylene	T	2.0E-04	Y
MW-1S	A	11-Sep-08	Trichloroethylene	T	2.0E-04	Y
BW-14	E	16-Jul-07	Trichloroethylene	T	1.0E-04	N
BW-14	E	18-Aug-08	Trichloroethylene	T	1.0E-04	N
DW-152-3	B	29-Jun-07	Trichloroethylene	T	1.0E-04	Y
DW-152-3	B	26-Aug-08	Trichloroethylene	T	1.0E-04	N
DW-152-3	B	22-Feb-10	Trichloroethylene	T	1.0E-04	N
MW155-P43C	C	19-Jul-07	Trichloroethylene	T	1.0E-04	N
MW155-P43C	C	26-Aug-08	Trichloroethylene	T	1.0E-04	N
MW155-P43C	C	26-Feb-10	Trichloroethylene	T	1.0E-04	N
MW155-P43C	C	23-Feb-11	Trichloroethylene	T	1.0E-04	N
MW155-P43C	C	18-Oct-11	Trichloroethylene	T	1.0E-04	N
MW156-P44A	A	28-Jun-07	Trichloroethylene	T	1.0E-04	N
MW156-P44A	A	12-Sep-08	Trichloroethylene	T	1.0E-04	N

M6-12B: TCE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Analyte	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW156-P44A	A	02-Mar-10	Trichloroethylene	T	1.0E-04	N
MW158-N44A	A	27-Jun-07	Trichloroethylene	T	1.0E-04	N
MW158-N44A	A	27-Aug-08	Trichloroethylene	T	1.0E-04	N
MW158-N44A	A	24-Feb-10	Trichloroethylene	T	1.0E-04	N
MW158-N44A	A	22-Feb-11	Trichloroethylene	T	1.0E-04	N
MW158-N44A	A	27-Oct-11	Trichloroethylene	T	1.0E-04	N
MW162-T31A	A	16-Jul-07	Trichloroethylene	T	1.0E-04	N
MW162-T31A	A	19-Aug-08	Trichloroethylene	T	1.0E-04	N
MW165-O28A	A	16-Jul-07	Trichloroethylene	T	1.0E-04	N
MW165-O28A	A	12-Sep-08	Trichloroethylene	T	1.0E-04	N
MW166-T32A	A	13-Jul-07	Trichloroethylene	T	1.0E-04	N
MW166-T32A	A	12-Sep-08	Trichloroethylene	T	1.0E-04	N
MW166-T32A	A	26-Oct-11	Trichloroethylene	T	1.0E-04	N
MW167-O44A	A	28-Jun-07	Trichloroethylene	T	1.0E-04	N
MW167-O44A	A	27-Aug-08	Trichloroethylene	T	1.0E-04	N
MW167-O44A	A	25-Feb-10	Trichloroethylene	T	1.0E-04	N
MW167-O44A	A	22-Feb-11	Trichloroethylene	T	1.0E-04	N
MW168-O28B	B	16-Jul-07	Trichloroethylene	T	1.0E-04	N
MW168-O28B	B	15-Sep-08	Trichloroethylene	T	1.0E-04	Y
MW168-O28B	B	28-Oct-11	Trichloroethylene	T	1.0E-04	N
MW190-N24AB	AB	26-Feb-10	Trichloroethylene	T	1.0E-04	N
MW192-P41CD	CD	23-Feb-11	Trichloroethylene	T	1.0E-04	Y
MW192-P41CD	CD	19-Oct-11	Trichloroethylene	T	1.0E-04	N
MW192-P41CD	CD	20-Dec-11	Trichloroethylene	T	1.0E-04	N
MW-1S	A	09-Oct-09	Trichloroethylene	T	1.0E-04	N
MW-1S	A	12-Oct-10	Trichloroethylene	T	1.0E-04	N
MW-1S	A	07-Oct-11	Trichloroethylene	T	1.0E-04	N
MW208-L26AB	AB	11-Oct-10	Trichloroethylene	T	1.0E-04	Y
MW208-L26AB	AB	04-Oct-11	Trichloroethylene	T	1.0E-04	N
MW216-G37AB	AB	03-Mar-11	Trichloroethylene	T	1.0E-04	N
MW233-O20AB	AB	31-Jan-12	Trichloroethylene	T	1.0E-04	N
SW-13	B	17-Jul-07	Trichloroethylene	T	1.0E-04	N
SW-13	B	08-Oct-09	Trichloroethylene	T	1.0E-04	N
SW-13	B	11-Oct-10	Trichloroethylene	T	1.0E-04	N
SW-13	B	04-Oct-11	Trichloroethylene	T	1.0E-04	N
SW-151-1	A	21-Oct-11	Trichloroethylene	T	1.0E-04	N
SW-151-2	A	22-Aug-08	Trichloroethylene	T	1.0E-04	N
SW-151-2	A	21-Oct-11	Trichloroethylene	T	1.0E-04	N
SW-152-3	A	02-Jul-07	Trichloroethylene	T	1.0E-04	N
SW-152-3	A	26-Aug-08	Trichloroethylene	T	1.0E-04	N
SW-152-3	A	22-Feb-10	Trichloroethylene	T	1.0E-04	N

M6-12B: TCE Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Analyte	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-13A: Perchlorate Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
UBW 5-I37	12-Jun-07	Perchlorate	T	0.069	Y
UBW 5-I37	07-Aug-08	Perchlorate	T	0.063	Y
UBW 5-I37	24-Oct-11	Perchlorate	T	0.029	Y
GBW 1C-Q29	07-Aug-08	Perchlorate	T	0.027	Y
UBW 5-I37	15-Mar-10	Perchlorate	T	0.024	Y
UBW 4-I37	12-Jun-07	Perchlorate	T	0.023	Y
UBW 4-I37	07-Aug-08	Perchlorate	T	0.018	Y
UBW 5-I37	07-May-09	Perchlorate	T	0.017	Y
UBW 3-K39	12-Jun-07	Perchlorate	T	0.01	Y
UBW 2-L41	12-Jun-07	Perchlorate	T	0.0091	Y
UBW 4-I37	24-Oct-11	Perchlorate	T	0.0086	Y
UBW 1A-M42	12-Jun-07	Perchlorate	T	0.0084	Y
UBW 4-I37	15-Mar-10	Perchlorate	T	0.0084	Y
UBW 5A-H37	15-Mar-10	Perchlorate	T	0.0082	Y
UBW 3A-J38	15-Mar-10	Perchlorate	T	0.0073	Y
UBW 4-I37	07-May-09	Perchlorate	T	0.0071	Y
UBW 1-O44	15-Jun-07	Perchlorate	T	0.0066	Y
UBW 3A-J38	07-Aug-08	Perchlorate	T	0.0065	Y
UBW 3-K39	15-Mar-10	Perchlorate	T	0.0065	Y
GBW 1C-Q29	16-Mar-10	Perchlorate	T	0.0063	Y
UBW 3A-J38	07-May-09	Perchlorate	T	0.0063	Y
GBW 1C-Q29	07-May-09	Perchlorate	T	0.006	Y
UBW 2A-L40	15-Mar-10	Perchlorate	T	0.006	Y
UBW 2-L41	15-Mar-10	Perchlorate	T	0.0059	Y
UBW 3-K39	07-Aug-08	Perchlorate	T	0.0058	Y
UBW 1B-L42	15-Mar-10	Perchlorate	T	0.0056	Y
UBW 1A-M42	15-Mar-10	Perchlorate	T	0.0054	Y
UBW 5B-G37	16-Mar-10	Perchlorate	T	0.0054	Y
UBW 2-L41	07-May-09	Perchlorate	T	0.0053	Y
UBW 3-K39	07-May-09	Perchlorate	T	0.0053	Y
UBW 3A-J38	24-Oct-11	Perchlorate	T	0.0052	Y
UBW 1-O44	15-Mar-10	Perchlorate	T	0.0051	Y
UBW 2A-L40	07-May-09	Perchlorate	T	0.0051	Y
UBW 2-L41	07-May-09	Perchlorate	T	0.0051	Y
UBW 5A-H37	07-May-09	Perchlorate	T	0.005	Y
GBW 1C-Q28	11-Jun-07	Perchlorate	T	0.0044	Y
UBW 1A-M42	07-May-09	Perchlorate	T	0.0043	Y
UBW 1B-L42	07-May-09	Perchlorate	T	0.0043	Y
GBW 1E-N28	16-Mar-10	Perchlorate	T	0.0039	Y
UBW 2A-L40	07-Aug-08	Perchlorate	T	0.0038	Y
UBW 1-O44	07-May-09	Perchlorate	T	0.0037	Y

M6-13A: Perchlorate Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 1D-O28	16-Mar-10	Perchlorate	T	0.0036	Y
UBW 2-L41	06-Aug-08	Perchlorate	T	0.0036	Y
UBW 2-L41	06-Aug-08	Perchlorate	T	0.0036	Y
GBW 1C-Q28	16-Mar-10	Perchlorate	T	0.0035	Y
UBW 5B-G37	07-May-09	Perchlorate	T	0.0034	Y
GBW 2A-L26	16-Mar-10	Perchlorate	T	0.0033	Y
UBW 1-O44	24-Oct-11	Perchlorate	T	0.0031	Y
GBW 1B-Q29	07-Aug-08	Perchlorate	T	0.0027	Y
UBW 5D-F37	16-Mar-10	Perchlorate	T	0.0027	Y
GBW 1C-Q28	07-May-09	Perchlorate	T	0.0026	Y
UBW 6-I37	12-Jun-07	Perchlorate	T	0.0026	Y
GBW 1A-R33	11-Jun-07	Perchlorate	T	0.0025	Y
GBW 1A-R33	07-Aug-08	Perchlorate	T	0.0025	Y
GBW 1B-Q29	11-Jun-07	Perchlorate	T	0.0025	Y
GBW 1E-N28	07-May-09	Perchlorate	T	0.0025	Y
GBW 1D-O28	07-May-09	Perchlorate	T	0.0024	Y
UBW 1B-L42	06-Aug-08	Perchlorate	T	0.0023	Y
GBW 1B-R31	07-Aug-08	Perchlorate	T	0.0022	Y
GBW 2-M27	16-Mar-10	Perchlorate	T	0.0021	Y
UBW_1A-M42+20	06-Aug-08	Perchlorate	T	0.0021	Y
GBW 1-S35	06-Aug-08	Perchlorate	T	0.0019	Y
UBW 5C-G37	16-Mar-10	Perchlorate	T	0.0019	Y
GBW 1-S35	25-Oct-11	Perchlorate	T	0.0017	Y
GBW 1-S35	12-Jun-07	Perchlorate	T	0.0016	Y
GBW 2A-L26	07-May-09	Perchlorate	T	0.0016	Y
GBW 2-M27	11-Jun-07	Perchlorate	T	0.0015	Y
UBW 5D-F37	07-May-09	Perchlorate	T	0.0015	Y
GBW 1B-Q29	16-Mar-10	Perchlorate	T	0.0014	Y
GBW 1B-R31	16-Mar-10	Perchlorate	T	0.0013	Y
GBW 1A-R33	15-Mar-10	Perchlorate	T	0.0012	Y
GBW 1B-Q29	07-May-09	Perchlorate	T	0.0012	Y
GBW 1-S35	15-Mar-10	Perchlorate	T	0.0012	Y
GBW 2-M27	07-May-09	Perchlorate	T	0.0012	Y
UBW 5C-G37	07-May-09	Perchlorate	T	0.0012	Y
UBW 6-I37	07-Aug-08	Perchlorate	T	0.0012	Y
UBW 6-I37	24-Oct-11	Perchlorate	T	0.0012	Y
GBW 1B-R31	07-May-09	Perchlorate	T	0.0011	Y
POND 2W-P39	22-Mar-10	Perchlorate	T	0.0011	Y
UBW 6A-I36	16-Mar-10	Perchlorate	T	0.0011	Y
UBW 6-I37	16-Mar-10	Perchlorate	T	0.0011	Y
GBW 1B-R31	07-May-09	Perchlorate	T	0.001	Y

M6-13A: Perchlorate Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
POND 1W-O43	22-Mar-10	Perchlorate	T	0.001	Y
UBW 6-I37	07-May-09	Perchlorate	T	0.00099	Y
GBW 1-S35	07-May-09	Perchlorate	T	0.00098	Y
BTW 2-S35	15-Mar-10	Perchlorate	T	0.00097	Y
GBW 1A-R33	07-May-09	Perchlorate	T	0.00097	Y
UBW 6A-I36	07-May-09	Perchlorate	T	0.00077	Y
GBW 1D-Q29	08-Aug-08	Perchlorate	T	0.00061	Y
GBW 1D-Q29	11-Jun-07	Perchlorate	T	0.0006	Y
GBW 2-M27	26-Oct-11	Perchlorate	T	0.0006	Y
GBW 1E-Q27	08-Aug-08	Perchlorate	T	0.00058	Y
3055	15-Dec-11	Perchlorate	T	0.00046	Y
GBW 2A-O25	17-Mar-10	Perchlorate	T	0.00045	Y
BTW 2-S35	25-Oct-11	Perchlorate	T	0.00042	Y
POND 2W-P39	12-Jun-07	Perchlorate	T	0.0004	Y
GBW 1E-Q27	16-Mar-10	Perchlorate	T	0.00038	Y
UBW 6B-H36	16-Mar-10	Perchlorate	T	0.00037	Y
GBW 1D-Q29	16-Mar-10	Perchlorate	T	0.00036	Y
GBW 2A-L26	26-Oct-11	Perchlorate	T	0.00036	Y
GBW 2D-O25	26-Oct-11	Perchlorate	T	0.00035	Y
GBW 4-N23	17-Mar-10	Perchlorate	T	0.00035	Y
GBW 2D-O25	17-Mar-10	Perchlorate	T	0.00034	Y
GBW 1D-Q29	07-May-09	Perchlorate	T	0.00033	Y
GBW 3-N24	17-Mar-10	Perchlorate	T	0.00033	Y
POND 2W-P39	06-Aug-08	Perchlorate	T	0.00031	Y
BTW 2-S35	12-Jun-07	Perchlorate	T	0.0003	Y
GBW 2A-O25	07-May-09	Perchlorate	T	0.0003	Y
GBW 2D-O25	07-May-09	Perchlorate	T	0.0003	Y
GBW 3-O25	12-Jun-07	Perchlorate	T	0.0003	Y
BTW 2-S35	06-Aug-08	Perchlorate	T	0.00028	Y
3054	15-Dec-11	Perchlorate	T	0.00027	Y
GBW 1E-Q27	07-May-09	Perchlorate	T	0.00026	Y
GBW 1F-P26	17-Mar-10	Perchlorate	T	0.00026	Y
UBW 6B-H36	07-May-09	Perchlorate	T	0.00026	Y
POND 1W-O43	06-Aug-08	Perchlorate	T	0.00025	Y
GBW 1F-P26	07-May-09	Perchlorate	T	0.00024	Y
GBW 4-N23	07-May-09	Perchlorate	T	0.00023	Y
UBW 6C-H35	17-Mar-10	Perchlorate	T	0.00023	Y
GBW 3-N24	07-May-09	Perchlorate	T	0.00022	Y
GBW 4-O23	07-May-09	Perchlorate	T	0.00022	Y
GBW 4-O23	17-Mar-10	Perchlorate	T	0.00022	Y
GBW 5-R20	07-May-09	Perchlorate	T	0.00022	Y

M6-13A: Perchlorate Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 6-R20	07-May-09	Perchlorate	T	0.00022	Y
BTW 3-U30	06-Aug-08	Perchlorate	T	0.00021	Y
BTW 1-P44	06-Aug-08	Perchlorate	T	0.0002	N
BTW 1-P44	15-Mar-10	Perchlorate	T	0.0002	N
BTW 1-P44	24-Oct-11	Perchlorate	T	0.0002	N
BTW 1-P45	06-Aug-08	Perchlorate	T	0.0002	N
BTW 1-P45	15-Mar-10	Perchlorate	T	0.0002	N
BTW 1-P45	24-Oct-11	Perchlorate	T	0.0002	N
BTW 2A-T35	06-Aug-08	Perchlorate	T	0.0002	N
BTW 2A-T35	15-Mar-10	Perchlorate	T	0.0002	N
BTW 2A-T35	25-Oct-11	Perchlorate	T	0.0002	N
BTW 3-U30	12-Jun-07	Perchlorate	T	0.0002	N
BTW 3-U30	15-Mar-10	Perchlorate	T	0.0002	N
BTW 3-U30	25-Oct-11	Perchlorate	T	0.0002	N
BTW_1A-Q39	06-Aug-08	Perchlorate	T	0.0002	N
GBW 1D-Q29	08-Aug-08	Perchlorate	T	0.0002	N
GBW 1F-P26	08-Aug-08	Perchlorate	T	0.0002	N
GBW 2A-O25	08-Aug-08	Perchlorate	T	0.0002	N
GBW 2B-L26	07-May-09	Perchlorate	T	0.0002	N
GBW 2B-L26	16-Mar-10	Perchlorate	T	0.0002	N
GBW 2B-P25	08-Aug-08	Perchlorate	T	0.0002	N
GBW 2B-P25	07-May-09	Perchlorate	T	0.0002	N
GBW 2B-P25	17-Mar-10	Perchlorate	T	0.0002	N
GBW 2C-P25	08-Aug-08	Perchlorate	T	0.0002	N
GBW 2C-P25	07-May-09	Perchlorate	T	0.0002	N
GBW 2C-P25	17-Mar-10	Perchlorate	T	0.0002	N
GBW 2D-O25	08-Aug-08	Perchlorate	T	0.0002	N
GBW 3-L27	07-Apr-10	Perchlorate	T	0.0002	N
GBW 3-N24	08-Aug-08	Perchlorate	T	0.0002	N
GBW 3-O25	11-Aug-08	Perchlorate	T	0.0002	N
GBW 3-O25	07-May-09	Perchlorate	T	0.0002	N
GBW 3-O25	17-Mar-10	Perchlorate	T	0.0002	N
GBW 3-Q23	11-Aug-08	Perchlorate	T	0.0002	N
GBW 3-Q23	07-May-09	Perchlorate	T	0.0002	N
GBW 3-Q23	17-Mar-10	Perchlorate	T	0.0002	N
GBW 4-N23	08-Aug-08	Perchlorate	T	0.0002	N
GBW 4-R21	11-Aug-08	Perchlorate	T	0.0002	N
GBW 4-R21	07-May-09	Perchlorate	T	0.0002	N
GBW 4-R21	17-Mar-10	Perchlorate	T	0.0002	N
GBW 5-R20	11-Aug-08	Perchlorate	T	0.0002	N
GBW 5-R20	17-Mar-10	Perchlorate	T	0.0002	N

M6-13A: Perchlorate Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
GBW 6-R20	17-Mar-10	Perchlorate	T	0.0002	N
POND 1W-O43	12-Jun-07	Perchlorate	T	0.0002	N
POND 3W-S35	12-Jun-07	Perchlorate	T	0.0002	N
POND 3W-S35	06-Aug-08	Perchlorate	T	0.0002	N
POND 3W-S35	22-Mar-10	Perchlorate	T	0.0002	N
UBW 6C-H35	07-May-09	Perchlorate	T	0.0002	N
BTW 1-P44	12-Jun-07	Perchlorate	T	0.0002	Y
GBW 3-O25	07-May-09	Perchlorate	T	0.0002	Y

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-13B: Perchlorate Analyses for Sediment
Chemtronics Site - Swannanoa, NC

Matrix	Water Body Location	Sample Location	Sample Date	Parameter	Result or Detection Limit (mg/kg)	Detect (Y or N)
Sediment	Unnamed Branch	UBW 2-L41	15-Mar-10	Perchlorate	0.038	Y
Sediment	Gregg Branch	GBW 1C-Q28	16-Mar-10	Perchlorate	0.0028	Y
Sediment	Bee Tree Creek	BTW 1-P44	3/15/2010	Perchlorate	0.0021	N
Sediment	Bee Tree Creek	BTW 1-P45	3/15/2010	Perchlorate	0.0021	N
Sediment	Bee Tree Creek	BTW 2A-T35	3/15/2010	Perchlorate	0.0021	N
Sediment	Bee Tree Creek	BTW 2-S35	3/15/2010	Perchlorate	0.0021	N
Sediment	Bee Tree Creek	BTW 3-U30	3/15/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1A-R33	3/15/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1B-Q29	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1B-R31	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1C-Q29	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1D-O28	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1D-Q29	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1E-N28	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1E-Q27	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1F-P26	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 1-S35	3/15/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2A-L26	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2A-O25	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2B-L26	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2B-P25	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2C-P25	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2D-O25	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 2-M27	3/16/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 3-L27	4/7/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 3-N24	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 3-O25	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 3-Q23	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 4-N23	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 4-O23	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 4-R21	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 5-O22	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 5-R20	3/17/2010	Perchlorate	0.0021	N
Sediment	Gregg Branch	GBW 6-R20	3/17/2010	Perchlorate	0.0021	N
Sediment	POND1	POND 1W-O43	3/22/2010	Perchlorate	0.0021	N
Sediment	POND2	POND 2W-P39	3/22/2010	Perchlorate	0.0021	N
Sediment	POND3	POND 3W-S35	3/22/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 1A-M42	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 1B-L42	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 1-O44	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 2A-L40	3/15/2010	Perchlorate	0.0021	N

M6-13B: Perchlorate Analyses for Sediment
Chemtronics Site - Swannanoa, NC

Matrix	Water Body Location	Sample Location	Sample Date	Parameter	Result or Detection Limit (mg/kg)	Detect (Y or N)
Sediment	Unnamed Branch	UBW 3A-J38	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 3-K39	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 4-I37	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 5A-H37	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 5B-G37	3/16/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 5C-G37	3/16/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 5D-F37	3/16/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 5-I37	3/15/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 6A-I36	3/16/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 6B-H36	3/16/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 6C-H35	3/17/2010	Perchlorate	0.0021	N
Sediment	Unnamed Branch	UBW 6-I37	3/16/2010	Perchlorate	0.0021	N

Notes

	Positive detections.
Y	Yes.
N	No.
mg/kg	ligram per kilogram.

M6-13C: Perchlorate Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW205-M27AB	AB	3/8/2010	Perchlorate	T	0.140	Y
MW168-O28B	B	7/16/2007	Perchlorate	T	0.083	Y
MW183-O39CD	CD	10/20/2011	Perchlorate	T	0.074	Y
MW183-O39CD	CD	3/1/2010	Perchlorate	T	0.067	Y
MW168-O28B	B	9/15/2008	Perchlorate	T	0.048	Y
MW165-O28A	A	7/16/2007	Perchlorate	T	0.041	Y
MW165-O28A	A	9/12/2008	Perchlorate	T	0.035	Y
MW168-O28B	B	10/28/2011	Perchlorate	T	0.027	Y
MW205-M27AB	AB	10/31/2011	Perchlorate	T	0.025	Y
MW167-O44A	A	6/28/2007	Perchlorate	T	0.005	Y
MW181-I37AB	AB	2/26/2010	Perchlorate	T	0.003	Y
MW156-P44A	A	3/2/2010	Perchlorate	T	0.002	N
MW216-G37AB	AB	3/3/2011	Perchlorate	T	0.002	N
MW223-L26AB	AB	3/4/2011	Perchlorate	T	0.002	N
SW-151-2	A	7/9/2007	Perchlorate	T	0.002	Y
MW233-O20AB	AB	1/31/2012	Perchlorate	T	0.001	Y
M85L-4	A	7/26/2007	Perchlorate	T	0.001	Y
MW208-L26AB	AB	10/4/2011	Perchlorate	T	0.001	Y
MW-149-1	D	8/13/2008	Perchlorate	T	0.001	Y
MW235-P39CD	CD	2/1/2012	Perchlorate	T	0.001	Y
MW190-N24AB	AB	2/26/2010	Perchlorate	T	0.0003	Y
SW-13	B	7/17/2007	Perchlorate	T	0.0003	Y
SW-13	B	10/4/2011	Perchlorate	T	0.0003	Y
MW155-P43C	C	2/26/2010	Perchlorate	T	0.0003	Y
MW167-O44A	A	2/22/2011	Perchlorate	T	0.0003	Y
MW193-Q40CD	CD	2/25/2011	Perchlorate	T	0.0002	Y
SW-151-2	A	8/22/2008	Perchlorate	T	0.0002	Y
BW-14	E	7/16/2007	Perchlorate	T	0.0002	N
BW-14	E	8/18/2008	Perchlorate	T	0.0002	N
DW-152-3	B	6/29/2007	Perchlorate	T	0.0002	N
DW-152-3	B	8/26/2008	Perchlorate	T	0.0002	N
DW-152-3	B	2/22/2010	Perchlorate	T	0.0002	N
M85L-11	B	7/5/2007	Perchlorate	T	0.0002	N
MW-149-1	D	7/19/2007	Perchlorate	T	0.0002	N
MW155-P43C	C	7/19/2007	Perchlorate	T	0.0002	N
MW155-P43C	C	8/26/2008	Perchlorate	T	0.0002	N
MW155-P43C	C	2/23/2011	Perchlorate	T	0.0002	N
MW155-P43C	C	10/18/2011	Perchlorate	T	0.0002	N
MW156-P44A	A	6/28/2007	Perchlorate	T	0.0002	N
MW156-P44A	A	9/12/2008	Perchlorate	T	0.0002	N
MW158-N44A	A	6/27/2007	Perchlorate	T	0.0002	N

M6-13C: Perchlorate Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW158-N44A	A	8/27/2008	Perchlorate	T	0.0002	N
MW158-N44A	A	2/24/2010	Perchlorate	T	0.0002	N
MW158-N44A	A	2/22/2011	Perchlorate	T	0.0002	N
MW158-N44A	A	10/27/2011	Perchlorate	T	0.0002	N
MW162-T31A	A	7/16/2007	Perchlorate	T	0.0002	N
MW162-T31A	A	8/19/2008	Perchlorate	T	0.0002	N
MW166-T32A	A	7/13/2007	Perchlorate	T	0.0002	N
MW166-T32A	A	9/12/2008	Perchlorate	T	0.0002	N
MW166-T32A	A	10/26/2011	Perchlorate	T	0.0002	N
MW167-O44A	A	8/27/2008	Perchlorate	T	0.0002	N
MW167-O44A	A	2/25/2010	Perchlorate	T	0.0002	N
MW182-K39AB	AB	3/3/2010	Perchlorate	T	0.0002	N
MW192-P41CD	CD	3/1/2010	Perchlorate	T	0.0002	N
MW192-P41CD	CD	2/23/2011	Perchlorate	T	0.0002	N
MW192-P41CD	CD	10/19/2011	Perchlorate	T	0.0002	N
MW192-P41CD	CD	12/20/2011	Perchlorate	T	0.0002	N
MW193-Q40CD	CD	3/1/2010	Perchlorate	T	0.0002	N
MW193-Q40CD	CD	10/19/2011	Perchlorate	T	0.0002	N
MW-1S	A	6/25/2007	Perchlorate	T	0.0002	N
MW-1S	A	9/11/2008	Perchlorate	T	0.0002	N
MW-1S	A	10/7/2011	Perchlorate	T	0.0002	N
MW208-L26AB	AB	6/18/2007	Perchlorate	T	0.0002	Y
SW-151-1	A	6/14/2007	Perchlorate	T	0.0002	Y
SW-151-1	A	9/4/2008	Perchlorate	T	0.0002	N
SW-151-1	A	10/21/2011	Perchlorate	T	0.0002	N
SW-151-2	A	10/21/2011	Perchlorate	T	0.0002	N
SW-152-3	A	7/2/2007	Perchlorate	T	0.0002	N
SW-152-3	A	8/26/2008	Perchlorate	T	0.0002	N
SW-152-3	A	2/22/2010	Perchlorate	T	0.0002	N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-14A: Ammonia Analyses for Surface Water
Chemtronics Site - Swannanoa, NC

Sample Location	Sample Date	Parameter	Total or Dissolved	Result or Detection Limit (mg/L)	Detected (Y or N)
POND 2W-P39	12-Jun-07	Ammonia	T	0.058	Y
GBW 1-S35	12-Jun-07	Ammonia	T	0.055	Y
UBW 2-L41	12-Jun-07	Ammonia	T	0.048	Y
UBW 1A-M42	12-Jun-07	Ammonia	T	0.044	Y
UBW 3-K39	12-Jun-07	Ammonia	T	0.042	Y
GBW 1A-R33	11-Jun-07	Ammonia	T	0.037	Y
BTW 1-P44	12-Jun-07	Ammonia	T	0.036	Y
BTW 3-U30	12-Jun-07	Ammonia	T	0.035	Y
BTW 2-S35	12-Jun-07	Ammonia	T	0.034	Y
GBW 3-O25	12-Jun-07	Ammonia	T	0.033	Y
GBW 1D-Q29	11-Jun-07	Ammonia	T	0.03	N
GBW 1B-Q29	11-Jun-07	Ammonia	T		N
GBW 1C-Q28	11-Jun-07	Ammonia	T		N
GBW 2-M27	11-Jun-07	Ammonia	T		N
POND 1W-O43	12-Jun-07	Ammonia	T		N
POND 3W-S35	12-Jun-07	Ammonia	T		N
UBW 1-O44	15-Jun-07	Ammonia	T		N
UBW 4-I37	12-Jun-07	Ammonia	T		N
UBW 5-I37	12-Jun-07	Ammonia	T		N
UBW 6-I37	12-Jun-07	Ammonia	T		N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M6-14B: Ammonia Analyses for Groundwater
Chemtronics Site - Swannanoa, NC

Sample Location	Geologic Code	Sample Date	Analyte	Total or Dissolved	Result or Detection Limit (mg/L)	Detect (Y or N)
MW156-P44A	A	6/28/2007	Ammonia	T	3.2	Y
MW182-K39AB	AB	3/3/2010	Ammonia	T	2.6	Y
MW-1S	A	6/25/2007	Ammonia	T	0.77	Y
MW158-N44A	A	6/27/2007	Ammonia	T	0.47	Y
MW192-P41CD	CD	3/1/2010	Ammonia	T	0.22	Y
MW223-L26AB	AB	3/4/2011	Ammonia	T	0.21	N
MW233-O20AB	AB	1/31/2012	Ammonia	T	0.13	Y
MW216-G37AB	AB	3/3/2011	Ammonia	T	0.06	Y
MW190-N24AB	AB	2/26/2010	Ammonia	T	0.059	Y
MW181-I37AB	AB	2/26/2010	Ammonia	T	0.053	Y
MW183-O39CD	CD	3/1/2010	Ammonia	T	0.05	N
MW193-Q40CD	CD	3/1/2010	Ammonia	T	0.05	N
MW205-M27AB	AB	3/8/2010	Ammonia	T	0.05	N
MW235-P39CD	CD	2/1/2012	Ammonia	T	0.05	N
MW155-P43C	C	7/19/2007	Ammonia	T	0.041	N
MW168-O28B	B	7/16/2007	Ammonia	T	0.034	Y
DW-152-3	B	6/29/2007	Ammonia	T	0.03	N
MW-149-1	D	7/19/2007	Ammonia	T	0.03	N
MW165-O28A	A	7/16/2007	Ammonia	T	0.03	N
SW-13	B	7/17/2007	Ammonia	T	0.03	N
SW-151-1	A	6/14/2007	Ammonia	T	0.03	N
BW-14	E	7/16/2007	Ammonia	T		N
M85L-11	B	7/5/2007	Ammonia	T		N
M85L-4	A	7/26/2007	Ammonia	T		N
MW162-T31A	A	7/16/2007	Ammonia	T		N
MW166-T32A	A	7/13/2007	Ammonia	T		N
MW167-O44A	A	6/28/2007	Ammonia	T		N
MW208-L26AB	AB	6/18/2007	Ammonia	T		N
SW-151-2	A	7/9/2007	Ammonia	T		N
SW-152-3	A	7/2/2007	Ammonia	T		N

Notes

	Positive detections.
Y	Yes.
N	No.
T	Total.
D	Dissolved.
mg/L	Milligram per liter.

M7 Contents: Step 3a BERA Technical Supporting Materials: Mammal and Bird Population Evaluation (Surface Soil, Surface Water, and Sediment)

Table M7-1A: American Robin Exposure Parameters

Table M7-1B: Green Heron Exposure Parameters

Table M7-1C: Mallard Duck Exposure Parameters

Table M7-1D: Screech Owl Exposure Parameters

Table M7-1E: Deer Mouse Exposure Parameters

Table M7-1F: Mink Exposure Parameters

Table M7-1G: Short-Tailed Shrew Exposure Parameters

Table M7-1H: Little Brown Bat Exposure Parameters

Table M7-1I: Summary of Wildlife Food Web Input Variables and Receptor Parameters

Table M7-2A: Food Web Uptake Approach for Soil to Terrestrial Plants

Table M7-2B: Food Web Uptake Approach for Soil to Terrestrial Invertebrates

Table M7-2C: Food Web Uptake Approach for Soil to Prey Mammals

Table M7-2D: Food Web Uptake Approach for Water to Aquatic Plants

Table M7-2E: Food Web Uptake Approach for Water to Aquatic Invertebrates

Table M7-2F: Food Web Uptake Approach for Water to Fish

Table M7-2G: Food Web BSAF Uptake Approach for Sediment to Aquatic Invertebrates and Fish

Table M7-3: Toxicity Reference Values for Mammals and Birds

Table M7-4a: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)

Table M7-4b: Aquatic-Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)

M7-1A: American Robin Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
American Robin	Order: Passeriformes Family: Turdidae Genus: Turdus Species: migratorius	
Body Weight (BW) (kg)	Mean adults body weights range from 55 to 86 g. Average of mean body weights is 78 g. (a)	0.078 kg
Dietary Makeup	Robins forage by hopping along the ground in search of ground-dwelling invertebrates and by searching for fruit and foliage-dwelling insects in shrubs and low tree branches. In the months preceding and during the breeding season, robins feed mainly on invertebrates and on some fruits; during the remainder of the year, their diet consists primarily of fruits. (a)	90 to 40% Invertebrates 10 to 60% Plant Material
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for passerine birds. Food Intake (g/day) = 0.398 $Wt^{0.850}$, where Wt is in g. (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for water intake for all birds. Water Intake (L/day) = 0.059 $Wt^{0.67}$, where Wt is in kg. (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	Assume that soil consumption is proportional to earthworm consumption. A woodcock consumes 99% earthworms and 1% plants as their food items, and they consume about 10% of that weight as soil. (a)	10% of diet
Home Range	Mean home range sizes range from 0.11 to 0.81 ha. Average of mean home range sizes is 0.30 ha. (a)	0.30 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1. The robins are assumed to forage exclusively on the site.	SFF=1
Exposure Frequency (EF) (unitless)	Most robins nesting in the northern United States and Canada winter in the Gulf Coast States and the Carolinas. Most northern robins leave their breeding grounds from September to November and return between February and April. Robins at the site are presumed to be year-round residents.	EF = 1

BW	Body weight.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors Handbook - Volumes I and II (EPA/600/R- 93/187a,b). Washington, D.C.: U.S. Environmental Protection Agency, Office of Research and Development, EPA. December. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=2799.

M7-1B: Green Heron Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Green Heron	Order: Ciconiiformes Family: Ardidae Genus: Butorides Species: virescens	
Body Weight (BW) (g)	Mean adults body weights average 241 g (± 28.5 g standard deviation). Mean fliedge immature herons body weights average 219 g (± 35.4 g standard deviation). (a)	241 g
Dietary Makeup	Green herons feed primarily on fish, however prey selection is broad, depending on availability. Generally, green herons feed by wading at the waters edge or in shallow water (< 10 cm). Green herons can also be found perching in branches, herbaceous vegetarion, or on rock close to the water, and may plung in to deeper water after prey. (a) (b)	93% Fish 7% Invertebrates
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for non-passerine birds. Food Intake (g/day) = 0.301 $Wt^{0.751}$, where Wt is in g. (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for water intake for all birds. Water Intake (L/day) = 0.059 $Wt^{0.67}$, where Wt is in kg. (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	The red-breasted merganser eats small fish and crustaceans and is used as a proxy. (c)	2% of diet
Home Range	Green heron home ranges are from 1 to 3.3 hectares. Average of this range is 2.1 ha. (d)	2.1 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1 but smaller sections of the site may be evaluated using an area use factor that will lower the SFF.	SFF = 1
Exposure Frequency	Most populations of green herons are migratory throughout the US. North Carolina is within the bird's summer breeding range. (b)	EF = 0.5

BW	Body weight.
cm	Centimeter.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) Niethammer, K.R. and M.S. Kaiser. 1983. Late Summer Food Habits of Three Heron Species in Northeastern Louisiana. Colonial Waterbirds 6: 148-153.

(b) Davis, Jr., W.E., and J.A. Kushlan. 1994. Green Heron (Butorides virescens), the Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/129

(c) Beyer, W. N., M. C. Perry, and P. C. Osenton. 2008. Sediment ingestion rates in waterfowl (Anatidae) and their use in environmental risk assessment. Integrated Environmental Assessment and Management 4(2):246-251.

(d) Palmer, R. 1962. Handbook of North American birds. Vol. 1. Yale Univ. Press. New Haven, CT.

M7-1C: Mallard Duck Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Mallard Duck	Order: Anseriformes Family: Anatidae Genus: Anas Species: platyrhynchos	
Body Weight (BW) (kg)	Mean adults body weights range from 1 to 1.3 kg. Average of mean body weights is 1.2 kg. (a)	1.2 kg
Dietary Makeup	Mallards feed mostly on aquatic plants, seeds, and aquatic invertebrates, depending on the season, and forages in ponds and wetlands by dabbling and filtering through sediments. In winter, mallards feed primarily on seeds but also on invertebrates associated with leaf litter and wetlands, mast, agricultural grains. In spring, females shift from a largely herbivorous diet to a diet of mainly invertebrates to obtain protein. (a)	75 to 50% Invertebrates 25 to 50% Plant Material
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for non-passerine birds. Food Intake (g/day) = 0.301 $Wt^{0.751}$, where Wt is in g. (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for water intake for all birds. Water Intake (L/day) = 0.059 $Wt^{0.67}$, where Wt is in kg. (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	Recommended value. (a)	2% of diet
Home Range	Mean home range sizes range from 70 to 620 ha. Average of mean home range sizes is 300 ha. (a)	300 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1. The Mallards are assumed to forage exclusively on the site.	SFF=1
Exposure Frequency (EF) (unitless)	The mallard winters in all four waterfowl flyways of North America. Mallards tend to arrive at their wintering grounds in mid-September through early November and depart for their northerly breeding grounds again in March. (a)	EF = 0.5

BW	Body weight.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors Handbook - Volumes I and II (EPA/600/R- 93/187a,b). Washington, D.C.: U.S. Environmental Protection Agency, Office of Research and Development, EPA. December. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=2799.

M7-1D: Screech Owl Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Screech Owl	Order: Strigiformes Family: Strigidae Genus: Megascops Species: asio	
Body Weight (BW) (kg)	Body weight average of 2 reported values of 0.18 and 0.20. (a)	BW = 0.19 kg
Dietary Makeup	Eastern screech owls eat a variety of insects, crayfish, earthworms, songbirds, and rodents. A few species form the main diet. Favored prey includes meadow vole, white-footed mouse, house mouse, and woodrats. It will be assumed that the owls consume 100% mammals as conservative assumptions of exposure. More refined assumptions will include consideration of more realistic prey consumption, such as invertebrates, mammals, and birds. (b)	100% Mammals
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for non-passerine birds. Food Intake (g/day) = 0.301 $Wt^{0.751}$, where Wt is in g. (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for water intake for all birds. Water Intake (L/day) = 0.059 $Wt^{0.67}$, where Wt is in kg. (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	While some soil attached to prey may be ingested, amount is assumed negligible.	0% of diet
Home Range	Year-round residents with fluctuating range size dependent on prey availability. Reasonable estimate is 16 ha. (b)	16 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1. The hawks are assumed to forage exclusively on the site but smaller sections of the site may be evaluated using an area use factor that will lower the SFF.	SFF = 1
Exposure Frequency	Generally year-round residents. (b)	EF = 1

BW	Body weight.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) Sample, B.E., D.M. Opresko, and G.W. Suter II. 1996. Toxicological Benchmarks for Wildlife: 1996 Revision. Oak Ridge, Tennessee: Risk Management Program, Health Sciences Research Division. ES/ER/TM-86/R3. June.

(b) Sullivan, Janet. 1995. *Megascops asio* . In: Fire Effects Information System. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (Producer). http://www.fs.fed.us/database/feis/animals/bird/meas/all.html.

M7-1E: Deer Mouse Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Deer Mouse	Order: Rodentia Family: Muridae Genus: Peromscus Species: maniculatus	
Body Weight (BW) (kg)	Mean adults body weights range from 15 to 35 g. Average of mean body weights is 20 g. (a)	0.020 kg
Dietary Makeup	Deer mice are omnivorous and highly opportunistic, which leads to substantial regional and seasonal variation in their diet. They eat principally seeds, arthropods, some green vegetation, roots, fruits, and fungi as available. The nonseed plant materials provide a significant proportion of the deer mouse's daily water requirements. (a)	40 to 60% Invertebrates 60 to 40% Plant Material
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for rodents. Food Intake g/day = 0.621 $Wt^{0.564}$ g (a)	
Ingestion Rate for Water (IRw) (l/day)	Based on the allometric equation for all mammals. Water Intake L/day = 0.099 $Wt^{0.90}$ kg (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	Recommended value for deer mice. (a)	2% of diet
Home Range	Mean home range sizes range from 0.01 to 0.1 ha. Average of mean home range sizes is 0.06 ha. (a)	0.06 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1. The deer mice are assumed to forage exclusively on the site.	SFF=1
Exposure Frequency	Deer mice are year-round residents at the site.	EF=1

BW	Body weight.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
I	Ingestion.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors Handbook - Volumes I and II (EPA/600/R- 93/187a,b). Washington, D.C.: U.S. Environmental Protection Agency, Office of Research and Development, EPA. December. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=2799.

M7-1F: Mink Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Raccoon	Order: Carnivora Family: Mustelidae Genus: Mustela Species: vison	
Body Weight(BW) (kg)	Mean adults body weights range from 0.5 to 1.7 kg. Average of mean body weights is 0.9 kg. (a)	0.9 kg
Dietary Makeup	Mammals are the mink's most important prey, but mink also hunt aquatic prey such as fish, amphibians, and crustaceans and other terrestrial prey such as bird, reptiles, and insects, depending on the season. The conservative estimates of exposures will consider only mammals and fish but refined estimates of exposures will consider more realistic dietray components, including birds, invertebrates, amphibians, and plants.	40% Mammals 60% Fish
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for all mammals. Food Intake (g/day) = 0.235 $Wt^{0.822}$ (g) (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for all mammals. Water Intake L/day = 0.099 $Wt^{0.90}$ kg (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	Average of mammalian species. (a)	4% of diet
Home Range	Mean home range sizes range from 123 to 770 ha. Average of mean home range sizes is 325 ha. (a)	325 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1. The racoons are assumed to forage exclusively on the site so smaller sections of the site may be evaluated using an area use factor that will lower the SFF.	SFF=1
Exposure Frequency	Mink are year-round residents at the site.	EF=1

BW	Body weight.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors Handbook - Volumes I and II (EPA/600/R- 93/187a,b). Washington, D.C.: U.S. Environmental Protection Agency, Office of Research and Development, EPA. December. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=2799.

M7-1G: Short-tailed Shrew Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Short-Tailed Shrew	Order: Insectivora	
	Family: Soricidae	
	Genus: Blarina	
	Species: brevicauda	
Body Weight (BW) (kg)	Mean adults body weights range from 15 to 19 g. Average of mean body weights is 17 g. (a)	0.017 kg
Dietary Makeup	The short-tailed shrew is primarily carnivorous. Stomach analyses indicate that insects, earthworms, slugs, and snails can make up most of the shrew's food, while plants, fungi, millipedes, centipedes, arachnids, and small mammals also are consumed. Small mammals are consumed more when invertebrates are less available (a).	Plants 10% Invertebrates 70% Mammals 20%
Ingestion Rate for Food (IRf) (g dry weight/day)	Based on the allometric equation for all mammals. Food Intake (g/day) = 0.235 $Wt^{0.822}$ (g) (a)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for all mammals. Water Intake L/day = 0.099 $Wt^{0.90}$ kg (a) (a)	
Ingestion Rate for Soil (IRs) (as % of diet)	Reccomended value for meadow vole.	2.4% of diet
Home Range	Short-tailed shrews inhabit round, underground nests and maintain underground runaways, usually in the top 10 cm of soil, but sometimes as deep as 50 cm. Winter, nonbreeding home ranges can vary from 0.03 to 0.07 hectares at high prey densities to 1 to 2.2 ha during low prey densities with a minimum of territory overlap. (a)	0.4 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1.	SFF=1
Exposure Frequency	Shrews do not migrate, therefore a value of 1 will be used to represent the annual presence of indigenous populations. (a)	EF=1

BW	Body weight.
cm	Centimeter.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors Handbook - Volumes I and II (EPA/600/R- 93/187a,b). Washington, D.C.: U.S. Environmental Protection Agency, Office of Research and Development, EPA. December. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=2799.

M7-1H: Little Brown Bat Exposure Parameters
Chemtronics Site - Swannanoa, NC

Exposure Parameter	Description	Values Selected for Exposure and Risk Calculations
Little Brown Bat	Order: Chiroptera Family: Vespertilionidae Genus: Myotis Species: lucifugus	
Body Weight (BW) (kg)	Mean adults body weights range from 0.0035 to 0.014 kg. Average of mean body weights is 0.007 g. (a)	0.007 kg
Dietary Makeup	The little brown bat are nocturnal mammals which feed primarily on insects such as moths, wasps, beetles, gnats, mosquitos, midges, and mayflies. They can eat 50% of their own body weight each evening. They feed primarily over wetlands and other still water where insects are abundant, and use rivers, streams and trails as travel corridors to navigate across the landscape. They hibernate in caves and mines during winter when insects are not available. After hibernation, they prefer summer roosts close to water with the males and females roosting apart (a).	Plants 0% Invertebrates 100% Mammals 0%
Ingestion Rate for Food (IRf) (kg dry weight/day)	Based on the allometric equation for all mammals. Food Intake (kg/day) = 0.235 $Wt^{0.822}$ g (b)	
Ingestion Rate for Water (IRw) (L/day)	Based on the allometric equation for all mammals. Water Intake L/day = 0.099 $Wt^{0.90}$ kg (b)	
Ingestion Rate for Soil (IRs) (as % of diet)	Average of mammalian species. (b)	4% of diet
Home Range	The home range of the Indiana bat (M. sodalis) ranges from 126 to 1,829 acres, or 51 to 740 ha (Sparks et al. 2005). The average of this range is 335 ha. (c)	335 ha
Site Foraging Frequency (SFF) (unitless)	The SFF is the ratio of the site area to the home range, not to exceed a maximum value of 1.	SFF=1
Exposure Frequency	Bats hibernate during winter in caves and mines. During warmer months, they roost near water. Athough a value of 0.67 would be more realistic, so as to represent the hibernatory nature of the indigenous populations during colder months (assumed to be at least a third of the year), a conservative value of 1 will be used. (a)	EF=1

BW	Body weight.
cm	Centimeter.
EF	Exposure frequency.
g	Gram.
ha	Hectare.
IRf	Ingestion rate for food.
IRs	Ingestion rate for soil.
IRw	Ingestion rate for water.
kg	Kilogram.
L	Liter.
SFF	Site foraging frequency.
Wt	Weight.

(a) New Hampshire Fish and Game. 2011. "Little Brown Bat (Myotis lucifugus)." New
(b) United States Environmental Protection Agency (USEPA). 1993. Wildlife Exposure Factors
(c) Sparks et al. 2005.

M7-1I: Summary of Wildlife Food Web Input Variables and Receptor Parameters
Chemtronics Site - Swannanoa, NC

Taxon	Name	Species	IR w (L/day)	IR f (kg WW/day)	IR ss (kg dw/day)	IR sd (kg dw/day)	Aquatic Plants Proportion	Aquatic Invertebrate Proportion	Fish Proportion	Terrestrial Plants Proportion	Terrestrial Invertebrat Proportion	Mammals Proportion	BW (kg)	Range (ha)	ED (unitless)
Bird	American Robin	*Turdus migratorius*	0.0107	0.065	0.00646	0	0	0	0	0.35	0.65	0	0.078	0.3	1
Bird	Green Heron	*Butorides virescens*	0.0227	0.074	0	0.00148	0	0.07	0.93	0	0	0	0.241	2.1	0.5
Bird	Mallard Duck	*Anas platyrhynchos*	0.0667	0.247	0	0.00494	0.4	0.6	0	0	0	0	1.2	300	0.5
Bird	Screech Owl	*Megascops asio*	0.0194	0.062	0	0	0	0	0	0	0	1	0.19	16	1
Mammal	Deer Mouse	*Peromscus maniculatus*	0.0029	0.013	0.00027	0	0	0	0	0.5	0.5	0	0.02	0.06	1
Mammal	Little Brown Bat	*Myotis lucifugus*	0.0011	0.001	0.00000	4.6537E-05	0	1	0	0	0	0	0.007	335	1
Mammal	Mink	*Mustela vison*	0.09	0.252	0	0.01008	0	0	0.6	0	0	0.4	0.9	325	1
Mammal	Terrestrial Mink	*Mustela vison*	0.09	0.252	0.01008	0	0	0	0	0	0.4	0.6	0.9	325	1
Mammal	Short-Tailed Shrew	*Blarina brevicauda*	0.0025	0.010	0.00023	0	0	0	0	0.1	0.7	0.2	0.017	0.4	1

BW	Body weight.
ED	Exposure duration. Percentage of the year the receptor spends in the area.
ha	Hectares.
IR f	Ingestion rate of food in wet weight (assumes dietary items are 75% water).
IR sd	Ingestion rate of sediment (dry weight).
IR ss	Ingestion rate of surface soil (dry weight).
IR w	Ingestion rate of water.
kg	Kilograms.
kg dw/day	Kilograms dry weight per day.
kg ww/day	Kilograms wet weight per day.
L/day	Liters per day.

M7-2A: Food Web Uptake Approach for Soil to Terrestrial Plants
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Soil to Terrestrial Plant BCF	
INORG	Antimony	7440-36-0	NA	NA	ln(Cp) = 0.938 * ln(Cs) - 3.233	a
INORG	Arsenic	7440-38-2	NA	NA	0.03752	a
INORG	Barium	7440-39-3	NA	NA	0.156	a
INORG	Beryllium	7440-41-7	NA	NA	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	a
INORG	Cadmium	7440-43-9	NA	NA	ln(Cp) = 0.546 * ln(Cs) - 0.475	a
INORG	Chromium	7440-47-3	NA	NA	0.041	a
INORG	Cobalt	7440-48-4	NA	NA	0.0075	a
INORG	Copper	7440-50-8	NA	NA	ln(Cp) = 0.394 * ln(Cs) + 0.668	a
INORG	Lead	7439-92-1	NA	NA	ln(Cp) = 0.561 * ln(Cs) - 1.328	a
INORG	Manganese	7439-96-5	NA	NA	0.079	a
INORG	Nickel	7440-02-0	NA	NA	ln(Cp) = 0.748 * ln(Cs) - 2.223	a
INORG	Selenium	7782-49-2	NA	NA	ln(Cp) = 1.104 * ln(Cs) - 0.677	a
INORG	Silver	7440-22-4	NA	NA	0.014	--
INORG	Vanadium	7440-62-2	NA	NA	0.00485	a
INORG	Zinc	7440-66-6	NA	NA	ln(Cp) = 0.554 * ln(Cs) + 1.575	a
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	3.98E+01	1.6	4.23	a
Nitroaromatics	RDX	121-82-4	7.41E+00	0.87	0.43	a
PEST	4,4'-DDD	72-54-8	1.05E+06	6.02	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	a
PEST	4,4'-DDT	50-29-3	8.13E+06	6.91	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	a
PEST	Aldrin	309-00-2	3.16E+06	6.5	0.006776	b
PEST	beta-BHC	319-85-7	6.03E+03	3.78	0.253023	b
PEST	Chlordane (total)	57-74-9	3.47E+05	5.54	0.024315	b
PEST	Endosulfan	115-29-7	3.55E+03	3.55	0.343637	b
PEST	Endrin	72-20-8	3.98E+05	5.6	0.022449	b
PEST	Heptachlor	76-44-8	1.26E+06	6.1	0.011540	b
PEST	Heptachlor epoxide	1024-57-3	2.51E+05	5.4	0.029295	b
PEST	Lindane	58-89-9	5.25E+03	3.72	0.274056	b
PEST	Methoxychlor	72-43-5	4.79E+04	4.68	0.076377	b
SVOC	PAHs (High MW)	130498-29-2H	NA	NA	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	a
SVOC	PAHs (Low MW)	130498-29-2L	NA	NA	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	a
SVOC	Phenol	108-95-2	2.88E+01	1.46	5.547790	b
VOC	cis-1,2-Dichloroethene	156-59-2	7.24E+01	1.86	3.257767	b

Plants are assumed to be 15% solids. The dry weight is multiplied by 0.15 to convert to wet weight.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
Cp	Concentration in plant tissue (mg/kg dry weight).
Cs	Concentration in soil (mg/kg).
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
ln	Natural log.
log	Logarithm.
MW	Molecular weight.
NA	Not applicable.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.
(a)	USEPA EcoSSL Guidance. http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a and 4b.
(b)	USEPA Region 6. 1999. Screening level ecological risk assessment protocol for hazardous waste combustion facilities. Volume One. EPA530-D-99-001A. August. Table C-2. The BCF was calculated as: log BCF = 1.588 - 0.578 x log Kow (Travis and Arms 1988).

M7-2B: Food Web Uptake Approach for Soil to Terrestrial Invertebrates
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Soil to Terrestrial Invertebrate BCF	
INORG	Antimony	7440-36-0	NA	NA	1.00	a
INORG	Arsenic	7440-38-2	NA	NA	ln(Ci) = 0.706 * ln(Cs) - 1.421	a
INORG	Barium	7440-39-3	NA	NA	0.09	a
INORG	Beryllium	7440-41-7	NA	NA	0.05	a
INORG	Cadmium	7440-43-9	NA	NA	ln(Ci) = 0.795 * ln(Cs) + 2.114	a
INORG	Chromium	7440-47-3	NA	NA	0.31	a
INORG	Cobalt	7440-48-4	NA	NA	0.12	a
INORG	Copper	7440-50-8	NA	NA	0.52	a
INORG	Lead	7439-92-1	NA	NA	ln(Ci) = 0.807 * ln(Cs) - 0.218	a
INORG	Manganese	7439-96-5	NA	NA	ln(Ci) = 0.682 * ln(Cs) - 0.809	a
INORG	Nickel	7440-02-0	NA	NA	0.02	b
INORG	Selenium	7782-49-2	NA	NA	ln(Ci) = 0.733 * ln(Cs) - 0.075	a
INORG	Silver	7440-22-4	NA	NA	2.05	a
INORG	Vanadium	7440-62-2	NA	NA	0.04	a
INORG	Zinc	7440-66-6	NA	NA	ln(Ci) = 0.328 * ln(Cs) + 4.449	a
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	3.98E+01	1.6	1.46	c
Nitroaromatics	RDX	121-82-4	7.41E+00	0.87	0.37	c
PEST	4,4'-DDD	72-54-8	1.05E+06	6.02	11.20	a
PEST	4,4'-DDT	50-29-3	8.13E+06	6.91	11.20	a
PEST	Aldrin	309-00-2	3.16E+06	6.5	1.40	b, d
PEST	beta-BHC	319-85-7	6.03E+03	3.78	1.40	b, d
PEST	Chlordane (total)	57-74-9	3.47E+05	5.54	1.40	b, d
PEST	Endosulfan	115-29-7	3.55E+03	3.55	1.40	b, d
PEST	Endrin	72-20-8	3.98E+05	5.6	1.40	b, d
PEST	Heptachlor	76-44-8	1.26E+06	6.1	1.40	b
PEST	Heptachlor epoxide	1024-57-3	2.51E+05	5.4	1.40	b
PEST	Lindane	58-89-9	5.25E+03	3.72	1.40	b, d
PEST	Methoxychlor	72-43-5	4.79E+04	4.68	1.40	b, d
SVOC	PAHs (High MW)	130498-29-2H	NA	NA	2.60	a
SVOC	PAHs (Low MW)	130498-29-2L	NA	NA	3.04	a
SVOC	Phenol	108-95-2	2.88E+01	1.46	1.12	c
VOC	cis-1,2-Dichloroethene	156-59-2	7.24E+01	1.86	2.38	c

Invertebrates are assumed to be 16% solids. The dry weight is multiplied by 0.16 to convert to wet weight.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
Ci	Concentration in invertebrate (mg/kg dry weight).
Cs	Concentration in soil (mg/kg).
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
ln	Natural log.
log	Logarithm.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.

(a) USEPA. 2007. EcoSSL Guidance. http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a and 4b.

(b) USEPA Region 6. 1999. (R6 1999). Screening level ecological risk assessment protocol for hazardous waste combustion facilities. Volume One. EPA530-D-99-001A. August. Table C-3.

(c) R6 1999 Table C-3. The BCF was calculated as: log BCF = 0.819 x log Kow - 1.146 (Southworth, Beauchamp, and Schmieder 1978).

(d) Heptachlor used as a surrogate.

M7-2C: Food Web Uptake Approach for Soil to Prey Mammals
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Surface Soil to Prey Mammal BCF	
INORG	Antimony	7440-36-0	Cm = 0.001 * 50 * Cd	a
INORG	Arsenic	7440-38-2	ln(Cm) = 0.8188 * ln(Cs) - 4.8471	a
INORG	Barium	7440-39-3	Cm = 0.00015 * 50 * Cd	a
INORG	Beryllium	7440-41-7	Cm = 0.001 * 50 * Cd	a
INORG	Cadmium	7440-43-9	ln(Cm) = 0.4723 * ln(Cs) - 1.2571	a
INORG	Chromium	7440-47-3	ln(Cm) = 0.7338 * ln(Cs) - 1.4599	a
INORG	Cobalt	7440-48-4	ln(Cm) = 1.307 * ln(Cs) - 4.4669	a
INORG	Copper	7440-50-8	ln(Cm) = 0.1444 * ln(Cs) + 2.042	a
INORG	Lead	7439-92-1	ln(Cm) = 0.4422 * ln(Cs) + 0.0761	a
INORG	Manganese	7439-96-5	0.0205	a
INORG	Nickel	7440-02-0	ln(Cm) = 0.4658 * ln(Cs) - 0.2462	a
INORG	Selenium	7782-49-2	ln(Cm) = 0.3764 * ln(Cs) - 0.4158	a
INORG	Silver	7440-22-4	0.004	a
INORG	Vanadium	7440-62-2	0.0123	a
INORG	Zinc	7440-66-6	ln(Cm) = 0.0706 * ln(Cs) + 4.3632	a
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0	a
Nitroaromatics	RDX	121-82-4	0	a
PEST	4,4'-DDD	72-54-8	Cm = 4.83 * Cd	a
PEST	4,4'-DDT	50-29-3	Cm = 4.83 * Cd	a
PEST	Aldrin	309-00-2	Cm = 4.83 * Cd	b
PEST	beta-BHC	319-85-7	Cm = 4.83 * Cd	b
PEST	Chlordane (total)	57-74-9	Cm = 4.83 * Cd	b
PEST	Endosulfan	115-29-7	Cm = 4.83 * Cd	b
PEST	Endrin	72-20-8	Cm = 4.83 * Cd	b
PEST	Heptachlor	76-44-8	Cm = 4.83 * Cd	b
PEST	Heptachlor epoxide	1024-57-3	Cm = 4.83 * Cd	b
PEST	Lindane	58-89-9	Cm = 4.83 * Cd	b
PEST	Methoxychlor	72-43-5	Cm = 4.83 * Cd	b
SVOC	PAHs (High MW)	130498-29-2H	0	a
SVOC	PAHs (Low MW)	130498-29-2L	0	a
SVOC	Phenol	108-95-2	0	c
VOC	cis-1,2-Dichloroethene	156-59-2	0	c

Small mammals are assumed to be 32% solids. The dry weight concentration is multiplied by 0.32 to convert to wet weight. Organisms who's uptake is based on diet concentration (for instance, antimony) do not have this adjustment because the diet is already in wet weight.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
Cd	Concentration in diet (assumed to be 100% earthworms).
Cm	Concentration in small mammal tissue (mg/kg dry weight).
Cs	Concentration in soil (mg/kg).
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
ln	Natural log.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.

(a) USEPA. 2007. EcoSSL Guidance.
http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a and 4b.

(b) No value available. Value for DDT from (a) used as a surrogate.

(c) PAHs used as a surrogate.

M7-2D: Food Web Uptake Approach for Water to Aquatic Plants
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Water to Aquatic Plant BCF		Sediment to Aquatic Plant BCF	
INORG	Antimony	7440-36-0	NA	NA	1,475	a	ln(Cp) = 0.938 * ln(Cs) - 3.233	g
INORG	Arsenic	7440-38-2	NA	NA	293	a	0.03752	g
INORG	Barium	7440-39-3	NA	NA	260	a	0.156	g
INORG	Beryllium	7440-41-7	NA	NA	141	a	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	g
INORG	Cadmium	7440-43-9	NA	NA	782	a	ln(Cp) = 0.546 * ln(Cs) - 0.475	g
INORG	Chromium	7440-47-3	NA	NA	4,406	a	0.041	g
INORG	Cobalt	7440-48-4	NA	NA	1,281	a	0.0075	g
INORG	Copper	7440-50-8	NA	NA	541	a	ln(Cp) = 0.394 * ln(Cs) + 0.668	g
INORG	Lead	7439-92-1	NA	NA	1,706	a	ln(Cp) = 0.561 * ln(Cs) - 1.328	g
INORG	Manganese	7439-96-5	NA	NA	1,281	b	0.079	g
INORG	Nickel	7440-02-0	NA	NA	61.00	a	ln(Cp) = 0.748 * ln(Cs) - 2.223	g
INORG	Selenium	7782-49-2	NA	NA	1,845	a	ln(Cp) = 1.104 * ln(Cs) - 0.677	g
INORG	Silver	7440-22-4	NA	NA	10,696	a	0.014	g
INORG	Vanadium	7440-62-2	NA	NA	1,281	b	0.00485	g
INORG	Zinc	7440-66-6	NA	NA	2,175	a	ln(Cp) = 0.554 * ln(Cs) + 1.575	g
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	39.81	1.6	1.46	c, d	4.23	g
Nitroaromatics	RDX	121-82-4	7.41	0.87	0.37	c, d	0.43	g
PEST	4,4'-DDD	72-54-8	1047129	6.02	6,087	c, d	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	g
PEST	4,4'-DDT	50-29-3	8128305	6.91	32,605	c, d	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	g
PEST	Aldrin	309-00-2	3162278	6.5	15,049	c, d	0.006776	h
PEST	beta-BHC	319-85-7	6026	3.78	89.09	c, d	0.253023	h
PEST	Chlordane (total)	57-74-9	346737	5.54	2,462	c, d	0.024315	h
PEST	Endosulfan	115-29-7	3548	3.55	57.74	c, d	0.343637	h
PEST	Endrin	72-20-8	398107	5.6	2,757	c, d	0.022449	h
PEST	Heptachlor	76-44-8	1258925	6.1	21,000	a	0.011540	h
PEST	Heptachlor epoxide	1024-57-3	251189	5.4	21,000	e	0.029295	h
PEST	Lindane	58-89-9	5248	3.72	79.56	c, d	0.274056	h
PEST	Methoxychlor	72-43-5	47863	4.68	486	c, d	0.076377	h
SVOC	PAHs (High MW)	130498-29-2H	NA	NA	5,258	a	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	g
SVOC	PAHs (Low MW)	130498-29-2L	NA	NA	5,258	f	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	g
SVOC	Phenol	108-95-2	28.84	1.46	1.12	c, d	5.547790	h
VOC	cis-1,2-Dichloroethene	156-59-2	72.44	1.86	2.38	c, d	3.257767	h

M7-2D: Food Web Uptake Approach for Water to Aquatic Plants
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Water to Aquatic Plant	Sediment to Aquatic Plant
					BCF	BCF

Plants are assumed to be 15% solids. The dry weight is multiplied by 0.15 to convert to wet weight.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
Cp	Concentration in plant tissue (mg/kg dry weight).
Cs	Concentration in sediment (mg/kg).
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
ln	Natural log.
log	Logarithm.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.

(a)	USEPA Region 6. 1999. (R6 1999). Screening level ecological risk assessment protocol for hazardous waste combustion facilities. Volume One. EPA530-D-99-001A. August. Table C-4.
(b)	R6 1999. Table C-4. Geomean of values for aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium (total), copper, lead, mercury chloride, nickel, selenium, silver, thallium, and zinc.
(c)	R6 1999. Table C-4. The BCF was calculated as:log BCF = 0.819 x log Kow - 1.146 (Karickoff and Long 1995).
(d)	Log Kow values from the ATSDR Toxicoloigcal Profile or Hazardous Substances Data Base.
(e)	Value for heptachlor used as a surrogate.
(f)	Value for high molecular weight PAHs used as a surrogate.
(g)	USEPA EcoSSL Guidance. http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a.
(h)	R6 1999. Table C-4. The BCF was calculated as: log BCF = 1.588 - 0.578 x log Kow (Travis and Arms 1988).

M7-2E: Food Web Uptake Approach for Water to Aquatic Invertebrates
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Water to Aquatic Invertebrate BCF		Sediment to Aquatic Invertebrate BCF or BSAF	
INORG	Antimony	7440-36-0	NA	NA	7	a	1.00	f
INORG	Arsenic	7440-38-2	NA	NA	73	a	0.90	g
INORG	Barium	7440-39-3	NA	NA	200	a	0.09	f
INORG	Beryllium	7440-41-7	NA	NA	45	a	0.90	g
INORG	Cadmium	7440-43-9	NA	NA	3,461	a	ln(Ci) = 0.795 * ln(Cs) + 2.114	f
INORG	Chromium	7440-47-3	NA	NA	3,000	a	0.31	f
INORG	Cobalt	7440-48-4	NA	NA	822	b	0.12	f
INORG	Copper	7440-50-8	NA	NA	3,718	a	0.52	f
INORG	Lead	7439-92-1	NA	NA	5,059	a	ln(Ci) = 0.807 * ln(Cs) - 0.218	f
INORG	Manganese	7439-96-5	NA	NA	822	b	ln(Ci) = 0.682 * ln(Cs) - 0.809	f
INORG	Nickel	7440-02-0	NA	NA	28	a	0.90	g
INORG	Selenium	7782-49-2	NA	NA	1,262	a	ln(Ci) = 0.733 * ln(Cs) - 0.075	f
INORG	Silver	7440-22-4	NA	NA	298	a	0.90	g
INORG	Vanadium	7440-62-2	NA	NA	822	b	0.04	f
INORG	Zinc	7440-66-6	NA	NA	4,578	a	ln(Ci) = 0.328 * ln(Cs) + 4.449	f
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	3.98E+01	1.6	1.46E+00	c	1.46	h
Nitroaromatics	RDX	121-82-4	7.41E+00	0.87	3.69E-01	c	0.37	h
PEST	4,4'-DDD	72-54-8	1.05E+06	6.02	6.09E+03	c	2.17	i
PEST	4,4'-DDT	50-29-3	8.13E+06	6.91	3.26E+04	c	0.94	i
PEST	Aldrin	309-00-2	3.16E+06	6.5	1.50E+04	c	0.24	i
PEST	beta-BHC	319-85-7	6.03E+03	3.78	8.91E+01	c	2.20	i
PEST	Chlordane (total)	57-74-9	3.47E+05	5.54	2.46E+03	c	2.56	i
PEST	Endosulfan	115-29-7	3.55E+03	3.55	5.77E+01	c	1.89	i
PEST	Endrin	72-20-8	3.98E+05	5.6	2.76E+03	c	0.25	i
PEST	Heptachlor	76-44-8	1.26E+06	6.1	3,807	a	1.10	i
PEST	Heptachlor epoxide	1024-57-3	2.51E+05	5.4	3,807	d	0.61	i
PEST	Lindane	58-89-9	5.25E+03	3.72	7.96E+01	c	0.75	(i)
PEST	Methoxychlor	72-43-5	4.79E+04	4.68	4.86E+02	c	1.20	i
SVOC	PAHs (High MW)	130498-29-2H	NA	NA	3,813	e	0.27	j
SVOC	PAHs (Low MW)	130498-29-2L	NA	NA	3,813	e	0.27	j
SVOC	Phenol	108-95-2	2.88E+01	1.46	1.12E+00	c	0.27	h
VOC	cis-1,2-Dichloroethene	156-59-2	7.24E+01	1.86	2.38E+00	c	2.38	h

M7-2E: Food Web Uptake Approach for Water to Aquatic Invertebrates
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Water to Aquatic Invertebrate	Sediment to Aquatic Invertebrate
					BCF	BCF or BSAF

Invertebrates are assumed to be 16% solids. The dry weight is multiplied by 0.16 to convert to wet weight.
Sediment uptake values are BSAFs for pesticides and PAHs, and BCFs for other constituents.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
BSAF	Biota-sediment accumulation factor.
Ci	Concentration in aquatic invertibrate (mg/kg dry weight).
Cs	Concentration in sediment (mg/kg).
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
ln	Natural log.
log	Logarithm.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.

(a)	USEPA Region 6. 1999. (R6 1999). Screening level ecological risk assessment protocol for hazardous waste combustion facilities. Volume One. EPA530-D-99-001A. August. Table C-3.
(b)	Geomean of values from (a) for aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium (total), copper, lead, mercuric chloride, nickel, selenium, silver, thallium, and zinc.
(c)	R6 1999. Table C-6. The BCF was calculated as: log BCF = 0.819 x log Kow - 1.146 (Southworth, Beauchamp, and Schmieder
(d)	Heptachlor used as a surrogate.
(e)	Geomean of values from (a) for benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.
(f)	USEPA EcoSSL Guidance. http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a and 4b.
(g)	R6 1999. Table C-6.
(h)	R6 1999. Table C-6. The BCF was calculated as: log BCF = 0.819 x log Kow - 1.146 (Southworth, Beauchamp, and Schmieder 1978).
(i)	USACOE BSAF database 2012. http://el.erdc.usace.army.mil/bsafnew/BSAF.html Chemical averages shown on Table J7-2g.
(j)	USACOE BSAF database 2012. http://el.erdc.usace.army.mil/bsafnew/BSAF.html Average value for PAHs.

M7-2F: Food Web Uptake Approach for Water to Fish
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Kow	Log (Kow)	Surface Water to Fish BCF		Sediment to Fish BSAF	
INORG	Antimony	7440-36-0	NA	NA	40	a	0	e
INORG	Arsenic	7440-38-2	NA	NA	114	a	0	e
INORG	Barium	7440-39-3	NA	NA	113	b	0	e
INORG	Beryllium	7440-41-7	NA	NA	62	a	0	e
INORG	Cadmium	7440-43-9	NA	NA	907	a	0	e
INORG	Chromium	7440-47-3	NA	NA	19	a	0	e
INORG	Cobalt	7440-48-4	NA	NA	113	b	0	e
INORG	Copper	7440-50-8	NA	NA	710	a	0	e
INORG	Lead	7439-92-1	NA	NA	0.09	a	0	e
INORG	Manganese	7439-96-5	NA	NA	113	b	0	e
INORG	Nickel	7440-02-0	NA	NA	78	a	0	e
INORG	Selenium	7782-49-2	NA	NA	129	a	0	e
INORG	Silver	7440-22-4	NA	NA	87.71	a	0	e
INORG	Vanadium	7440-62-2	NA	NA	113	b	0	e
INORG	Zinc	7440-66-6	NA	NA	2059	a	0	e
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	39.81	1.6	4.68	c	0	c
Nitroaromatics	RDX	121-82-4	7.41	0.87	1.01	d	0	c
PEST	4,4'-DDD	72-54-8	1047129	6.02	17,022	c	2.17	f
PEST	4,4'-DDT	50-29-3	8128305	6.91	7,816	c	0.94	f
PEST	Aldrin	309-00-2	3162278	6.5	13,955	c	0.24	f
PEST	beta-BHC	319-85-7	6026	3.78	447	c	2.20	f
PEST	Chlordane (total)	57-74-9	346737	5.54	11,853	c	2.56	f
PEST	Endosulfan	115-29-7	3548	3.55	277	c	1.89	f
PEST	Endrin	72-20-8	398107	5.6	12,721	c	0.25	f
PEST	Heptachlor	76-44-8	1258925	6.1	17,160	c	1.10	f
PEST	Heptachlor epoxide	1024-57-3	251189	5.4	9,834	c	0.61	f
PEST	Lindane	58-89-9	5248	3.72	395	c	0.75	f
PEST	Methoxychlor	72-43-5	47863	4.68	2,788	c	1.20	f
SVOC	PAHs (High MW)	130498-29-2H	NA	NA	500	a	0.27	f
SVOC	PAHs (Low MW)	130498-29-2L	NA	NA	500	a	0.27	f
SVOC	Phenol	108-95-2	28.84	1.46	3.49	c	0	e
VOC	cis-1,2-Dichloroethene	156-59-2	72.44	1.86	8.06	c	0	e

Fish are assumed to be 25% solids. The dry weight concentration is multipled by 0.25 to convert to wet weight.
Sediment uptake values are BSAFs for pesticides and PAHs.

BCF	Bioconcentration factor.
BHC	Benzene hexachloride.
BSAF	Biota sediment accumulation factor.
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
Kow	Octanol-water partitioning coefficient.
Log	Logarithm.
MW	Molecular weight.
NA	Not available.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.

(a)	USEPA Region 6. 1999. (R6 1999). Screening level ecological risk assessment protocol for hazardous waste combustion facilities. Volume One. EPA530-D-99-001A. August. Table C-5.
(b)	R6 1999. Table C-5. Geometric mean of values for aluminum, antimony, arsenic, beryllium, cadmium, chromium (total), copper, lead, mercuric chloride, nickel, selenium, silver, thallium, and zinc.
(c)	R6 1999. Table C-5. BCF calculated as log BCF = 0.91 x log Kow - 1.975 x log(6.8E-07 x Kow + 1.0) - 0.786.
(d)	Belden et al. 2005. Accumulation of RDX in Channel Catfish and aquatic oligochaetes. ET&C 24(8): 1962-1967. Aquatic uptake values given. Uptake from sediments and diet was determined to be negligible.
(e)	Fish are assumed to bioaccumulate this compound primarily from water (not sediment).
(f)	USACOE BSAF database 2012. http://el.erdc.usace.army.mil/bsafnew/BSAF.html Chemical averages.
f oc sed	Fraction of organic carbon in sediment (sitewide average 0.35%).
f lipid fish	Estimated average fraction fish lipid. Liber 1999. Bluegill lipid content is 0.72% ± 0.46%. Ankley 2001. Fathead minnow lipid content is 1.45% ± 0.2% for males and 2.73% ± 0.05% for females. A fish lipid fraction of 1.6% was chosen to represent the communities of small forage fishes at this site.

Ankley et al. 2001	Ankley, GT., Jensen, KM., Kahl, MD., Korte, JJ., Makynen, EA. 2001. Description and evaluation of a short-term reproduction test with the fathead minnow (Pimephales promelas). Environmental Toxicology and Chemistry, Vol. 20, No. 6, pp. 1276–1290.
Liber et al. 1999	Liber, K., Gangl, JA., Corry, TD., Heinis, LJ., Stay, FS. 1999. Lethality and bioaccumulation of 4-nonylphenol in bluegill sunfish in littoral enclosures. Environmental Toxicology and Chemistry, Vol. 18, No. 3, pp. 394–400.

M7-2G: Food Web BSAF Uptake Approach for Sediment to Aquatic Invertebrates and Fish
Chemtronics Site - Swannanoa, NC

Chemical	Organism	G	BSAF	(n)	Error	Type	Wet/Dry
Aldrin	*Mollusca misc.*	ME	0.098	3	NA	NA	Both
Aldrin	*Mytilus galloprovincialis*	ME	0.42	1	NA	NA	Wet
Aldrin	*Nephtys spp.*	WM	0.278	4	NA	NA	Both
Aldrin	*Polychaete misc.*	WM	0.15	5	NA	NA	Both
			0.24				
beta-BHC	*Chasmagnathus granulata*	CM	4	1	NA	NA	???
beta-BHC	*Chasmagnathus granulata*	CM	0.4	1	NA	NA	???
			2.20				
Lindane	*Chasmagnathus granulata*	CM	1	100	1	SD	Both
Lindane	*Chasmagnathus granulata*	CM	0.2	100	0.1	SD	Both
Lindane	*Chasmagnathus granulata*	CM	0.05	1	NA	NA	???
Lindane	*Macoma nasuta*	ME	0.674	1	NA	NA	???
Lindane	*Cerebratulus lacteus*	WM	0.052	3	NA	NA	Both
Lindane	*Neanthes virens*	WM	0.774	1	NA	NA	???
Lindane	*Cottus spp.*	FB	2.5	1	NA	NA	Both
			0.75				
Chlordane (total)	*Austrovenus stutchburyi*	ME	2.1	3	16	CV%	Dry
Chlordane (total)	*Austrovenus stutchburyi*	ME	3.81	3	54	CV%	Dry
Chlordane (total)	*Austrovenus stutchburyi*	ME	1.53	3	15	CV%	Dry
Chlordane (total)	*Austrovenus stutchburyi*	ME	1.96	2	15	CV%	Dry
Chlordane (total)	*Austrovenus stutchburyi*	ME	2.45	3	48	CV%	Dry
Chlordane (total)	*Chione stutchburyi*	ME	3.2	1	NA	NA	???
Chlordane (total)	*Macomona liliana*	ME	2.63	2	21	CV%	Dry
Chlordane (total)	*Macomona liliana*	ME	23.2	1	NA	NA	Dry
Chlordane (total)	*Macomona liliana*	ME	1.85	2	43	CV%	Dry
Chlordane (total)	*Macomona liliana*	ME	1.99	2	42	CV%	Dry
Chlordane (total)	*Macomona liliana*	ME	2.76	3	14	CV%	Dry
Chlordane (total)	*Tellina liliana*	ME	3.5	1	NA	NA	???
Chlordane (total)	*Bellamya aeruginosa*	MF	0.11	90	NA	NA	Dry
Chlordane (total)	*Bellamya aeruginosa*	MF	0.23	377	NA	NA	Dry
Chlordane (total)	*Bellamya aeruginosa*	MF	0.43	404	NA	NA	Dry
Chlordane (total)	*Bellamya aeruginosa*	MF	0.92	463	NA	NA	Dry
Chlordane (total)	*Bellamya aeruginosa*	MF	0.82	180	NA	NA	Dry
Chlordane (total)	*Corbicula fluminea*	MF	0.81	30	NA	NA	Dry
Chlordane (total)	*Corbicula fluminea*	MF	0.19	70	NA	NA	Dry
Chlordane (total)	*Corbicula fluminea*	MF	0.04	45	NA	NA	Dry
Chlordane (total)	*Corbicula fluminea*	MF	1.84	31	NA	NA	Dry
Chlordane (total)	*Corbicula fluminea*	MF	0.04	26	NA	NA	Dry
			2.56				
Endosulfan sulfate	*Chasmagnathus granulata*	CM	5	100	3	SD	Both
Endosulfan sulfate	*Chasmagnathus granulata*	CM	0.4	100	0.2	SD	Both
Endosulfan sulfate	*Chasmagnathus granulata*	CM	4.5	1	NA	NA	???
Endosulfan sulfate	*Chasmagnathus granulata*	CM	1.4	1	NA	NA	???
Endosulfan sulfate	*Mytilus galloprovincialis*	ME	0.059	1	NA	NA	Wet
Endosulfan sulfate	*Nephtys spp.*	WM	0.009	4	NA	NA	Both
			1.89				
Endrin aldehyde	*Mytilus galloprovincialis*	ME	0.487	1	NA	NA	Wet
Endrin aldehyde	*Nucula spp.*	ME	0.009	2	NA	NA	Both
			0.25				

M7-2G: Food Web BSAF Uptake Approach for Sediment to Aquatic Invertebrates and Fish
Chemtronics Site - Swannanoa, NC

Chemical	Organism	G	BSAF	(n)	Error	Type	Wet/Dry
Heptachlor epoxide	*Chasmagnathus granulata*	CM	1	100	1	SD	Both
Heptachlor epoxide	*Chasmagnathus granulata*	CM	0.3	100	0.2	SD	Both
Heptachlor epoxide	*Catostomus commersoni*	FB	0.83	1	NA	NA	Both
Heptachlor epoxide	*Mytilus galloprovincialis*	ME	0.302	1	NA	NA	Wet
			0.61				
Heptachlor	*Bellamya aeruginosa*	MF	0.06	90	NA	NA	Dry
Heptachlor	*Bellamya aeruginosa*	MF	0.13	377	NA	NA	Dry
Heptachlor	*Bellamya aeruginosa*	MF	0.2	404	NA	NA	Dry
Heptachlor	*Bellamya aeruginosa*	MF	0.21	463	NA	NA	Dry
Heptachlor	*Bellamya aeruginosa*	MF	0.28	180	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	10.07	26	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	0.22	30	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	0.08	70	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	0.24	45	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	0.29	31	NA	NA	Dry
Heptachlor	*Corbicula fluminea*	MF	0.29	26	NA	NA	Dry
			1.10				
Methoxychlor	*Chasmagnathus granulata*	CM	2	100	2	SD	Both
Methoxychlor	*Chasmagnathus granulata*	CM	0.4	100	0.3	SD	Both
			1.20				
DDD	*Catostomus commersoni*	FB	2.4	1	NA	NA	Both
DDD	*Cyprinus carpio*	FB	0.53	1	NA	NA	Both
DDD	*Nephtys incisa*	WM	4.76	1	NA	NA	Dry
DDD	*Yoldia limatula*	ME	4.17	1	NA	NA	Dry
DDD	*Catostomus commersoni*	FB	2.724	22	2.125	SD	Both
DDD	*Catostomus macrocheilus*	FB	4.4	1	NA	NA	Both
DDD	*Chasmagnathus granulata*	CM	3	100	3	SD	Both
DDD	*Chasmagnathus granulata*	CM	2	100	1	SD	Both
DDD	*Cyprinus carpio*	FB	2	1	NA	NA	Both
DDD	*Ictalurus punctatus*	FB	4.05	2	0.35	SD	Both
DDD	*Macoma nasuta*	ME	1.02	10	0.202	SE	Dry
DDD	*Macoma nasuta*	ME	0.39	5	0.051	SE	Dry
DDD	*Macoma nasuta*	ME	0.71	9	0.079	SE	Dry
DDD	*Macoma nasuta*	ME	0.74	10	0.08	SE	Dry
DDD	*Macoma nasuta*	ME	0.52	9	0.076	SE	Dry
DDD	*Macoma nasuta*	ME	0.52	9	0.074	SE	Dry
DDD	*Macoma nasuta*	ME	0.108	1	NA	NA	???
DDD	*Neanthes virens*	WM	0.118	1	NA	NA	???
DDD	*Nephtys incisa*	WM	4.17	1	NA	NA	Dry
DDD	*Oncorhynchus mykiss*	FB	3.15	4	0.141	SD	Both
DDD	*Yoldia limatula*	ME	4	1	NA	NA	Dry
			2.17				
DDT	*Catostomus columbianus*	FB	0.49	1	NA	NA	Both
DDT	*Catostomus commersoni*	FB	0.74	1	NA	NA	Both
DDT	*Oncorhynchus mykiss*	FB	1.4	1	NA	NA	Both
DDT	*Catostomus columbianus*	FB	0.27	1	NA	NA	Both
DDT	*Catostomus commersoni*	FB	1.047	14	0.922	SD	Both
DDT	*Catostomus macrocheilus*	FB	1.37	2	1.13	SD	Both
DDT	*Cerebratulus lacteus*	WM	0.018	3	NA	NA	Both

M7-2G: Food Web BSAF Uptake Approach for Sediment to Aquatic Invertebrates and Fish
Chemtronics Site - Swannanoa, NC

Chemical	Organism	G	BSAF	(n)	Error	Type	Wet/Dry
DDT	*Chasmagnathus granulata*	CM	2	100	2	SD	Both
DDT	*Chasmagnathus granulata*	CM	1	100	1	SD	Both
DDT	*Chasmagnathus granulata*	CM	2.2	1	NA	NA	???
DDT	*Chasmagnathus granulata*	CM	0.6	1	NA	NA	???
DDT	*Cottus spp.*	FB	2.15	2	0.45	SD	Both
DDT	*Cyprinus carpio*	FB	1.365	2	0.635	SD	Both
DDT	*Heteromastus filiformis*	WM	0.65	6	0.5	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.4	1	NA	NA	Dry
DDT	*Heteromastus filiformis*	WM	0.75	1	NA	NA	Dry
DDT	*Heteromastus filiformis*	WM	0.5	6	0.25	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.41	6	0.11	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.8	6	0.12	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.55	6	0.13	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.52	6	0.1	SD	Dry
DDT	*Heteromastus filiformis*	WM	0.67	6	0.18	SD	Dry
DDT	*Lumbrineridae misc.*	WM	0.087	2	NA	NA	Both
DDT	*Macoma nasuta*	ME	0.139	1	NA	NA	???
DDT	*Micropterus dolomieu*	FM	5.2	1	NA	NA	Both
DDT	*Neanthes virens*	WM	0.138	1	NA	NA	???
DDT	*Nucula spp.*	ME	0.041	2	NA	NA	Both
DDT	*Oncorhynchus mykiss*	FB	0.715	4	0.417	SD	Both
			0.94				

The column labeled G, lists the organism group code. These codes are as follows:

CM	Marine crustacea.
FB	Bottom-feeding fish.
FM	Midwater-feeding fish.
ME	Marine or estuarine molluscs.
MF	Freshwater molluscs.
WM	Marine or estuarine worms.
(n)	Sample number.

The error type abbreviations are SD = standard deviation, SE = standard error, CV% = coefficient of variation, and NA = not available (unknown).

The column Wet/Dry indicates wet or dry weight.

???	Unknown, not specified in reference.
Both	Sediment was dry weight and organism was wet weight.
Dry	Sediment and organism values were dry weight.
Wet	Sediment and organism values were wet weight.

Data are from the USACE BSAF database.
http://el.erdc.usace.army.mil/bsafnew/ChemGroup.dbw?ChemGroup=5.

M7-3: Toxicity Reference Values for Mammals and Birds
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	Mammal TRV (mg/kg-bw/day)				Avian TRV (mg/kg-bw/day)			
			NOAEL		LOAEL		NOAEL		LOAEL	
INORG	Antimony	7440-36-0	0.059	a	0.59	b	--		--	
INORG	Arsenic	7440-38-2	1.04	a	1.66	b	2.24	a	4.51	c
INORG	Barium	7440-39-3	51.8	a	82.7	c	20.8	d	41.7	d
INORG	Beryllium	7440-41-7	0.532	a	0.672	c	--		--	
INORG	Cadmium	7440-43-9	0.77	a	7.7	b	1.47	a	6.35	c
INORG	Chromium	7440-47-3	2.4	a	58.2	b	2.66	a	15.6	c
INORG	Cobalt	7440-48-4	7.33	a	18.9	c	7.61	a	18.34	c
INORG	Copper	7440-50-8	5.6	a	9.34	b	4.05	a	12.1	b
INORG	Lead	7439-92-1	4.7	a	8.9	b	1.63	a	3.26	b
INORG	Manganese	7439-96-5	51.5	a	145.7	c	179	a	376.6	c
INORG	Nickel	7440-02-0	1.7	a	3.4	b	6.71	a	18.6	c
INORG	Selenium	7782-49-2	0.143	a	0.215	b	0.29	a	0.579	b
INORG	Silver	7440-22-4	0.375	i	3.75	i	2.02	a	79.62	c
INORG	Vanadium	7440-62-2	4.16	a	8.31	b	0.344	a	0.688	b
INORG	Zinc	7440-66-6	75.4	a	297.6	c	66.1	a	171.4	c
Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	0.2	e	0.3	e	7	e	175	e
Nitroaromatics	RDX	121-82-4	1.19	e	2.73	e	3.65	e	8.14	e
PEST	4,4'-DDD	72-54-8	0.147	a	0.735	b	0.227	a	2.27	b
PEST	4,4'-DDT	50-29-3	0.147	a	0.735	b	0.227	a	2.27	b
PEST	Aldrin	309-00-2	0.2	d	1	d	0.007	e	0.035	e
PEST	beta-BHC	319-85-7	0.4	d	2	d	2	f	20	f
PEST	Chlordane (total)	57-74-9	4.6	d	9.2	d	2.14	d	10.7	d
PEST	Endosulfan	115-29-7	0.15	d	--	d	10	d	--	d
PEST	Endrin	72-20-8	0.092	d	0.92	d	0.01	d	0.1	d
PEST	Heptachlor	76-44-8	0.01	d	1	d	0.00065	i	0.0065	i
PEST	Heptachlor epoxide	1024-57-3	0.01	j	1	j	0.00065	j	0.0065	j
PEST	Lindane	58-89-9	8	d	80	o	2	d	20	d
PEST	Methoxychlor	72-43-5	4	d	8	d	--		--	
SVOC	PAHs (High MW)	130498-29-2H	0.615	a	3.07	b	2	k	20	k
SVOC	PAHs (Low MW)	130498-29-2L	65.6	a	328	b	1653	l	16530	l
SVOC	Phenol	108-95-2	26.36	d, n	263.6	d, n	--		--	
VOC	cis-1,2-Dichloroethene	156-59-2	45.2	d	450.2	o	--		--	

BHC	Benzene hexachloride.
DDD	Dichlorodiphenyldichloroethane.
DDT	Dichlorodiphenyltrichloroethane.
LOAEL	Lowest observed apparent effects level.
mg/kg-bw/day	Miligrams per kilogram body weight per day.
MW	Molecular weight.
NA	Not available.
NOAEL	No observed apparent effects level.
PAHs	Polycyclic aromatic hydrocarbons.
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine.
TRV	Toxicity reference value.

(a)	USEPA. 2007. EcoSSL Guidance. http://www.epa.gov/ecotox/ecossl/pdf/ecossl_attachment_4-1.pdf Table 4a and 4b.
(b)	Same study as Eco-SSL.
(c)	Geomean of the survival, growth, and reproduction LOAELs.
(d)	1996 Ecotox Benchmarks for Wildlife (http://www.esd.ornl.gov/programs/ecorisk/documents/tm86r3.pdf).
(e)	US Army Directorate of Environmental Health Engineering Wildlife Toxicity Assessment Program. http://usaphcapps.amedd.army.mil/erawg/tox/index.htm.
(f)	Use gamma-BHC as a surrogate.
(g)	Use endosulfan as a surrogate.
(h)	Use endrin as a surrogate.
(i)	USEPA R6 1999 Table E-8. LOAEL is 10x the NOAEL.
(j)	Use heptachlor as a surrogate.
(L)	Only HMW PAH Avian study in EcoSSL, lowest NOAEL and LOAEL used.
(m)	Only LMW PAH Avian study in EcoSSL, LOAEL is 10x the NOAEL.
(n)	Benzene used as a surrogate.
(o)	No LOAEL given. Use 10x the NOAEL as the LOAEL.

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7429-90-5	APDA789	INORG	Aluminum	8	/	8	1.00	6.40E+04	4.85E+04	3.56E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	APDA789	INORG	Arsenic	2	/	8	0.25	1.58E+00	--	2.06E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	APDA789	INORG	Barium	8	/	8	1.00	1.62E+02	--	1.09E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	APDA789	INORG	Beryllium	8	/	8	1.00	1.17E+00	--	4.93E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	APDA789	INORG	Boron	8	/	8	1.00	5.42E+01	3.45E+01	2.28E+01	8.22E+00	4.59E+01	2.63E+01	0	0	0	0	0	0	3.8E+0	2.2E+0	0	0	6.2E-1	3.5E-1	5.1E-1	2.9E-1	6.3E-1	3.6E-1
7440-43-9	APDA789	INORG	Cadmium	3	/	8	0.38	1.19E+00	8.42E-01	5.81E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	APDA789	INORG	Chromium	8	/	8	1.00	8.66E+01	5.45E+01	4.00E+01	6.03E+01	2.63E+01	0 <BKG	1.6E-1	0	1.3E+0	0	8.2E-1	0	2.9E+0	0	2.7E-1	0	8.4E-1	0	5.8E-1	0	9.7E-1	0
7440-48-4	APDA789	INORG	Cobalt	8	/	8	1.00	3.31E+01	1.98E+01	1.39E+01	2.73E+01	5.80E+00	0 <BKG	6.5E-3	0	1.1E-1	0	3.7E-2	0	5.4E-1	0	1.2E-2	0	1.2E-1	0	8.4E-2	0	1.3E-1	0
7440-50-8	APDA789	INORG	Copper	8	/	8	1.00	4.72E+01	3.89E+01	2.87E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57-12-5	APDA789	INORG	Cyanide	1	/	8	0.13	2.80E-01	--	1.33E-01	0	2.80E-01	1.33E-01	0	0	0	0	0	0	2.3E-2	1.1E-2	0	0	3.8E-3	1.8E-3	3.1E-3	1.5E-3	3.8E-3	1.8E-3
7439-92-1	APDA789	INORG	Lead	8	/	8	1.00	1.52E+01	1.34E+01	1.14E+01	1.28E+01	2.41E+00	6.06E-01	6.5E-2	3.0E-2	2.6E-1	8.6E-2	5.1E-1	2.8E-1	3.6E-1	1.1E-1	1.7E-1	9.0E-2	1.4E-1	4.7E-2	1.4E-1	6.3E-2	2.0E-1	7.5E-2
7439-93-2	APDA789	INORG	Lithium	8	/	8	1.00	9.70E+00	8.39E+00	6.64E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	APDA789	INORG	Manganese	8	/	8	1.00	5.76E+02	4.65E+02	3.48E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	APDA789	INORG	Mercury	8	/	8	1.00	8.47E-02	--	4.21E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	APDA789	INORG	Molybdenum	1	/	8	0.13	9.76E-01	--	4.99E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	APDA789	INORG	Nickel	8	/	8	1.00	3.12E+01	--	1.73E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	APDA789	INORG	Strontium	8	/	8	1.00	1.08E+01	--	6.26E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	APDA789	INORG	Thallium	1	/	8	0.13	3.93E+00	--	3.16E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	APDA789	INORG	Titanium	8	/	8	1.00	1.43E+03	1.21E+03	1.01E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	APDA789	INORG	Vanadium	8	/	8	1.00	1.26E+02	8.33E+01	6.10E+01	1.08E+02	1.83E+01	0 <BKG	1.3E-2	0	1.2E-1	0	7.2E-2	0	1.6E+0	0	2.3E-2	0	2.9E-1	0	2.3E-1	0	3.1E-1	0
7440-66-6	APDA789	INORG	Zinc	8	/	8	1.00	6.36E+01	4.90E+01	3.62E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118-96-7	APDA789	Nitroaromatic	2,4,6-Trinitrotoluene	1	/	8	0.13	4.30E+00	--	5.93E-01	0	4.30E+00	5.93E-01	2.7E+0	3.8E-1	1.0E+0	1.4E-1	0	0	1.7E+0	2.3E-1	0	0	1.3E+0	1.8E-1	1.6E-1	2.2E-2	6.1E-1	8.5E-2
19406-51-0	APDA789	Nitroaromatic	4-Amino-2,6-dinitrotoluen	1	/	8	0.13	3.00E-01	--	9.31E-02	0	3.00E-01	9.31E-02	0	0	0	0	0	0	2.5E-2	7.7E-3	0	0	4.0E-3	1.3E-3	3.4E-3	1.0E-3	4.1E-3	1.3E-3
309-00-2	APDA789	PEST	Aldrin	2	/	10	0.20	1.20E+01	1.72E+01	1.20E+00	0	1.20E+01	1.20E+00	1.2E-2	1.2E-3	2.7E+0	2.7E-1	1.3E+1	1.3E+0	2.4E+0	2.4E-1	4.2E+0	4.2E-1	1.1E+0	1.1E-1	2.6E+0	2.6E-1	2.7E+0	2.7E-1
57-74-9	APDA789	PEST	Chlordane (total)	3	/	8	0.38	2.09E-03	--	1.46E-02	0	2.09E-03	1.46E-02	7.6E-6	5.3E-5	4.7E-4	3.3E-3	2.3E-3	1.6E-2	4.3E-4	3.0E-3	7.4E-4	5.2E-3	1.9E-4	1.3E-3	4.5E-4	3.2E-3	4.7E-4	3.3E-3
319-86-8	APDA789	PEST	delta-BHC	1	/	8	0.13	4.50E-03	--	3.80E-02	0	4.50E-03	3.80E-02	0	0	0	0	0	0	3.7E-4	3.1E-3	0	0	6.1E-5	5.1E-4	5.0E-5	4.3E-4	6.1E-5	5.2E-4
115-29-7	APDA789	PEST	Endosulfan	1	/	8	0.13	4.60E-04	--	1.94E+00	0	4.60E-04	1.94E+00	2.4E-5	1.0E-1	1.0E-4	4.3E-1	5.0E-4	2.1E+0	1.0E-4	4.2E-1	1.6E-4	6.8E-1	4.9E-5	2.1E-1	1.0E-4	4.2E-1	1.1E-4	4.4E-1
1031-07-8	APDA789	PEST	Endosulfan sulfate	2	/	8	0.25	3.10E-03	--	2.78E-02	0	3.10E-03	2.78E-02	0	0	0	0	0	0	2.6E-4	2.3E-3	0	0	4.2E-5	3.7E-4	3.5E-5	3.1E-4	4.2E-5	3.8E-4
1024-57-3	APDA789	PEST	Heptachlor epoxide	3	/	8	0.38	3.10E-03	--	1.45E-02	0	3.10E-03	1.45E-02	1.4E-5	6.4E-5	6.9E-4	3.2E-3	3.4E-3	1.6E-2	6.3E-4	3.0E-3	1.1E-3	5.1E-3	2.8E-4	1.3E-3	6.8E-4	3.2E-3	7.0E-4	3.3E-3
72-43-5	APDA789	PEST	Methoxychlor	1	/	8	0.13	6.90E-03	--	1.40E-01	0	6.90E-03	1.40E-01	7.9E-5	1.6E-3	1.5E-3	3.1E-2	7.5E-3	1.5E-1	1.4E-3	2.9E-2	2.4E-3	5.0E-2	6.4E-4	1.3E-2	1.5E-3	3.1E-2	1.6E-3	3.2E-2
2698-41-1	APDA789	SVOC	CS (ortho-Chlorobenzylid	1	/	8	0.13	3.90E-01	--	1.41E-01	0	3.90E-01	1.41E-01	0	0	0	0	0	0	3.2E-2	1.2E-2	0	0	5.2E-3	1.9E-3	4.4E-3	1.6E-3	5.3E-3	1.9E-3
89-98-5	APDA789	SVOC	ortho-Chlorobenzaldehyd	1	/	8	0.13	1.40E-01	--	3.61E-02	0	1.40E-01	3.61E-02	0	0	0	0	0	0	1.2E-2	3.0E-3	0	0	1.9E-3	4.9E-4	1.6E-3	4.0E-4	1.9E-3	4.9E-4
108-95-2	APDA789	SVOC	Phenol	1	/	8	0.13	1.70E+00	--	2.31E-01	0	1.70E+00	2.31E-01	1.4E+0	1.9E-1	3.1E-1	4.2E-2	0	0	7.2E-1	9.7E-2	0	0	6.0E-1	8.2E-2	5.3E-2	7.2E-3	2.2E-1	3.1E-2
67-64-1	APDA789	VOC	Acetone	1	/	8	0.13	1.50E-02	--	5.94E-03	0	1.50E-02	5.94E-03	0	0	0	0	0	0	1.2E-3	4.9E-4	0	0	2.0E-4	8.0E-5	1.7E-4	6.7E-5	2.0E-4	8.1E-5
71-43-2	APDA789	VOC	Benzene	2	/	8	0.25	7.00E-04	--	4.13E-04	0	7.00E-04	4.13E-04	0	0	0	0	0	0	5.8E-5	3.4E-5	0	0	9.4E-6	5.6E-6	7.8E-6	4.6E-6	9.5E-6	5.6E-6
108-88-3	APDA789	VOC	Toluene	3	/	8	0.38	2.00E-03	--	1.19E-03	0	2.00E-03	1.19E-03	0	0	0	0	0	0	1.7E-4	9.8E-5	0	0	2.7E-5	1.6E-5	2.2E-5	1.3E-5	2.7E-5	1.6E-5
7429-90-5	B103	INORG	Aluminum	3	/	3	1.00	2.65E+04	--	2.30E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B103	INORG	Barium	3	/	3	1.00	3.01E+02	--	1.71E+02	2.36E+02	6.52E+01	0 <BKG	1.5E+0	0	9.5E-1	0	7.1E-3	0	6.4E+0	0	2.3E-3	0	1.7E+0	0	8.4E-1	0	1.4E+0	0
7440-41-7	B103	INORG	Beryllium	3	/	3	1.00	8.51E-01	--	6.65E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B103	INORG	Cadmium	3	/	3	1.00	7.90E-01	--	6.68E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B103	INORG	Chromium	3	/	3	1.00	3.36E+01	--	2.71E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B103	INORG	Cobalt	3	/	3	1.00	1.32E+01	--	9.72E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B103	INORG	Copper	3	/	3	1.00	2.24E+01	--	1.61E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B103	INORG	Lead	3	/	3	1.00	2.93E+01	--	1.89E+01	1.28E+01	1.65E+01	6.11E+00	1.9E-1	1.1E-1	1.2E+0	5.5E-1	1.2E+0	7.7E-1	2.1E+0	8.4E-1	3.9E-1	2.5E-1	7.0E-1	3.1E-1	5.2E-1	2.6E-1	8.6E-1	4.0E-1
7439-93-2	B103	INORG	Lithium	3	/	3	1.00	1.24E+01	--	7.83E+00	1.21E+01	2.83E-01	0 <BKG	0	0	0	0	0	0	2.3E-2	0	0	0	3.8E-3	0	3.2E-3	0	3.9E-3	0
7439-96-5	B103	INORG	Manganese	3	/	3	1.00	3.83E+02	--	3.23E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B103	INORG	Mercury	2	/	3	0.67	3.08E-02	--	1.83E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B103	INORG	Nickel	3	/	3	1.00	2.56E+01	--	1.54E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B103	INORG	Perchlorate	1	/	3	0.33	1.50E-02	--	5.83E-03	0	1.50E-02	5.83E-03	0	0	0	0	0	0	1.2E-3	4.8E-4	0	0	2.0E-4	7.8E-5	1.7E-4	6.5E-5	2.0E-4	7.9E-5
7440-24-6	B103	INORG	Strontium	3	/	3	1.00	9.01E+00	--	6.23E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B103	INORG	Titanium	3	/	3	1.00	2.73E+03	--	2.06E+03	2.31E+03	4.21E+02	0 <BKG	0	0	0	0	0	0	3.5E+1	0	0	0	5.7E+0	0	4.7E+0	0	5.7E+0	0
7440-62-2	B103	INORG	Vanadium	3	/	3	1.00	6.10E+01	--	4.93E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B103	INORG	Zinc	3	/	3	1.00	1.77E+02	--	1.12E+02	8.96E+01	8.75E+01	2.26E+01	8.6E+0	4.1E+0	5.9E+1	3.8E+1	3.4E+1	3.1E+1	4.2E+1	2.4E+1	1.1E+1	1.0E+1	2.4E+1	1.4E+1	1.3E+1	9.8E+0	2.9E+1	1.9E+1
120-12-7	B103	SVOC	Anthracene	1	/	3	0.33	6.60E-02	--	3.50E-02	0	6.60E-02	3.50E-02	0	0	0	0	0	0	5.5E-3	2.9E-3	0	0	8.9E-4	4.7E-4	7.4E-4	3.9E-4	9.0E-4	4.8E-4
56-55-3	B103	SVOC	Benzo(a)anthracene	1	/	3	0.33	1.70E-01	--	6.97E-02	0	1.70E-01	6.97E-02	0	0	0	0	0	0	1.4E-2	5.8E-3	0	0	2.3E-3	9.4E-4	1.9E-3	7.8E-4	2.3E-3	9.5E-4
50-32-8	B103	SVOC	Benzo(a)pyrene	1	/	3	0.33	1.20E-01	--	5.30E-02	0	1.20E-01	5.30E-02	0	0	0	0	0	0	9.9E-3	4.4E-3	0	0	1.6E-3	7.1E-4	1.3E-3	5.9E-4	1.6E-3	7.2E-4
205-99-2	B103	SVOC	Benzo(b)fluoranthene	1	/	3	0.33	1.70E-01	--	6.97E-02	0	1.70E-01	6.97E-02	0	0	0	0	0	0	1.4E-2	5.8E-3	0	0	2.3E-3	9.4E-4	1.9E-3	7.8E-4	2.3E-3	9.5E-4
191-24-2	B103	SVOC	Benzo(g,h,i)perylene	1	/	3	0.33	6.80E-02	--	3.57E-02	0	6.80E-02	3.57E-02	0	0	0	0	0	0	5.6E-3	3.0E-3	0	0	9.2E-4	4.8E-4	7.6E-4	4.0E-4	9.3E-4	4.9E-4
207-08-9	B103	SVOC	Benzo(k)fluoranthene	1	/	3	0.33	5.70E-02	--	3.20E-02	0	5.70E-02	3.20E-02	0	0	0	0	0	0	4.7E-3	2.7E-3	0	0	7.7E-4	4.3E-4	6.4E-4	3.6E-4	7.8E-4	4.4E-4
218-01-9	B103	SVOC	Chrysene	2	/	3	0.67	1.50E-01	--	7.17E-02	0	1.50E-01	7.17E-02	0	0	0	0	0	0	1.2E-2	5.9E-3	0	0	2.0E-3	9.6E-4	1.7E-3	8.0E-4	2.0E-3	9.8E-4
206-44-0	B103	SVOC	Fluoranthene	1	/	3	0.33	3.40E-01	--	1.26E-01	0	3.40E-01	1.26E-01	0	0	0	0	0	0	2.8E-2	1.0E-2	0	0	4.6E-3	1.7E-3	3.8E-3	1.4E-3	4.6E-3	1.7E-3
193-39-5	B103	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	3	0.33	6.70E-02	--	3.53E-02	0	6.70E-02	3.53E-02	0	0	0	0	0	0	5.5E-3	2.9E-3	0	0	9.0E-4	4.8E-4	7.5E-4	4.0E-4	9.1E-4	4.8E-4
130498-29-2H	B103	SVOC	PAHs (High MW)	2	/	3	0.67	1.47E+00	--	5.69E-01	0	1	1	3.9E-2	1.6E-2	6.1E-1	2.4E-1	0	0	4.6E-1	1.8E-1	0	0	2.4E-1	9.3E-2	8.5E-2	3.3E-2	2.7E-1	1.0E-1
130498-29-2L	B103	SVOC	PAHs (Low MW)	1	/	6	0.17	4.16E-01	--	7.62E-02	0	4.16E-01	7.62E-02	2.7E-2	1.2E-2	2.0E-1	3.7E-2	0	0	1.5E-1	3.0E-2	0	0	8.3E-2	1.8E-2	2.7E-2	5.0E-3	8.8E-2	1.6E-2
130498-29-2	B103	SVOC	PAHs (total)	2	/	6	0.33	1.89E+00	1.89E+00	3.77E-01	0	1.89E+00	1.89E+00	0	0	0	0	0	0	1.6E-1	1.6E-1	0	0	2.5E-2	2.5E-2	2.1E-2	2.1E-2	2.6E-2	2.6E-2
85-01-8	B103	SVOC	Phenanthrene	1	/	3	0.33	2.50E-01	--	9.63E-02	0	2.50E-01	9.63E-02	0	0	0	0	0	0	2.1E-2	8.0E-3	0	0	3.4E-3	1.3E-3	2.8E-3	1.1E-3	3.4E-3	1.3E-3
108-95-2	B103	SVOC	Phenol	1	/	3	0.33	9.60E-01	--	3.33E-01	0	9.60E-01	3.33E-01	8.0E-1	2.8E-1	1.7E-1	6.0E-2	0	0	4.0E-1	1.4E-1	0	0	3.4E-1	1.2E-1	3.0E-2	1.0E-2	1.3E-1	4.4E-2
129-00-0	B103	SVOC	Pyrene	1	/	3	0.33	3.10E-01	--	1.16E-01	0	3.10E-01	1.16E-01	0	0	0	0	0	0	2.6E-2	9.6E-3	0	0	4.2E-3	1.6E-3	3.5E-3	1.3E-3	4.2E-3	1.6E-3
75-09-2	B103	VOC	Methylene chloride	3	/	3	1.00	7.00E-03	--	5.00E-03	0	7.00E-03	5.00E-03	0	0	0	0	0	0	5.8E-4	4.1E-4	0	0	9.4E-5	6.7E-5	7.8E-5	5.6E-5	9.5E-5	6.8E-5
7429-90-5	B104145	INORG	Aluminum	8	/	8	1.00	4.01E+04	3.56E+04	3.02E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B104145	INORG	Arsenic	8	/	8	1.00	3.68E+00	--	2.98E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B104145	INORG	Barium	8	/	8	1.00	1.54E+02	--	1.12E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B104145	INORG	Beryllium	8	/	8	1.00	1.23E+00	--	8.39E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B104145	INORG	Boron	6	/	8	0.75	5.73E+00	3.75E+00	2.50E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B104145	INORG	Cadmium	6	/	8	0.75	1.17E+00	9.57E-01	6.93E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B104145	INORG	Chromium	8	/	8	1.00	3.26E+01	3.10E+01	2.74E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B104145	INORG	Cobalt	8	/	8	1.00	1.19E+01	--	7.83E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B104145	INORG	Copper	8	/	8	1.00	1.59E+02	1.14E+02	3.70E+01	5.28E+01	1.06E+02	6.11E+01	1.8E+0	1.5E+0	8.8E+0	5.0E+0	4.8E+0	4.5E+0	1.4E+1	8.2E+0	1.6E+0	1.5E+0	5.0E+0	3.0E+0	3.0E+0	2.0E+0	5.6E+0	3.4E+0
7439-92-1	B104145	INORG	Lead	8	/	8	1.00	1.90E+01	1.62E+01	1.42E+01	1.28E+01	6.21E+00	3.40E+00	1.1E-1	7.9E-2	5.6E-1	3.5E-1	7.7E-1	5.9E-1	8.5E-1	4.9E-1	2.5E-1	1.9E-1	3.1E-1	1.9E-1	2.6E-1	1.8E-1	4.0E-1	2.6E-1
7439-96-5	B104145	INORG	Manganese	8	/	8	1.00	1.41E+03	8.66E+02	4.01E+02	1.13E+03	2.83E+02	0 <BKG	3.4E+0	0	3.3E+0	0	1.9E+0	0	2.6E+1	0	6.0E-1	0	6.1E+0	0	3.9E+0	0	5.6E+0	0
7439-97-6	B104145	INORG	Mercury	8	/	8	1.00	2.16E-01	1.26E-01	7.86E-02	9.20E-02	1.24E-01	3.40E-02	0	0	0	0	0	0	1.0E-2	2.8E-3	0	0	1.7E-3	4.6E-4	1.4E-3	3.8E-4	1.7E-3	4.6E-4
7440-02-0	B104145	INORG	Nickel	8	/	8	1.00	1.81E+01	--	1.44E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B104145	INORG	Perchlorate	4	/	8	0.50	1.30E-02	--	3.52E-03	0	1.30E-02	3.52E-03	0	0	0	0	0	0	1.1E-3	2.9E-4	0	0	1.7E-4	4.7E-5	1.5E-4	3.9E-5	1.8E-4	4.8E-5
7440-24-6	B104145	INORG	Strontium	8	/	8	1.00	8.69E+00	--	5.99E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

												Terrestrial Plants (mg/kg ww)		Terrestrial Inverts (mg/kg ww)		Prey Mammals (mg/kg ww)		American Robin TDI (mg/kg-bw/d)		Screech Owl TDI (mg/kg-bw/d)		Deer Mouse TDI (mg/kg-bw/d)		Terrestrial Mink TDI (mg/kg-bw/d)		Short-Tailed Shrew TDI (mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-32-6	B104145	INORG	Titanium	8 / 8	1.00	1.99E+03	1.62E+03	1.34E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B104145	INORG	Vanadium	8 / 8	1.00	6.23E+01	5.23E+01	4.51E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B104145	INORG	Zinc	8 / 8	1.00	1.39E+02	9.02E+01	6.77E+01	8.96E+01	4.95E+01	6.70E-01	6.3E+0	5.8E-1	4.9E+1	1.2E+1	3.3E+1	2.4E+1	3.2E+1	6.7E+0	1.1E+1	8.0E+0	1.9E+1	4.2E+0	1.2E+1	5.5E+0	2.4E+1	7.6E+0
99-35-4	B104145	Nitroaromatics	1,3,5-Trinitrobenzene	1 / 8	0.13	1.90E+00	--	2.93E-01	0	1.90E+00	2.93E-01	0	0	0	0	0	0	1.6E-1	2.4E-2	0	0	2.6E-2	3.9E-3	2.1E-2	3.3E-3	2.6E-2	4.0E-3
35572-78-2	B104145	Nitroaromatics	2-Amino-4,6-dinitrotoluen	1 / 8	0.13	1.60E-01	--	7.50E-02	0	1.60E-01	7.50E-02	0	0	0	0	0	0	1.3E-2	6.2E-3	0	0	2.2E-3	1.0E-3	1.8E-3	8.4E-4	2.2E-3	1.0E-3
2691-41-0	B104145	Nitroaromatics	HMX	2 / 8	0.25	6.70E-01	--	2.54E-01	0	6.70E-01	2.54E-01	0	0	0	0	0	0	5.5E-2	2.1E-2	0	0	9.0E-3	3.4E-3	7.5E-3	2.8E-3	9.1E-3	3.5E-3
309-00-2	B104145	PEST	Aldrin	1 / 2	0.50	6.10E-03	--	3.60E-03	0	6.10E-03	3.60E-03	6.2E-6	3.7E-6	1.4E-3	8.1E-4	6.6E-3	3.9E-3	1.2E-3	7.3E-4	2.2E-3	1.3E-3	5.4E-4	3.2E-4	1.3E-3	7.9E-4	1.4E-3	8.1E-4
319-85-7	B104145	PEST	beta-BHC	2 / 2	1.00	4.00E-02	--	3.45E-02	0	4.00E-02	3.45E-02	1.5E-3	1.3E-3	9.0E-3	7.7E-3	4.3E-2	3.7E-2	8.6E-3	7.4E-3	1.4E-2	1.2E-2	4.1E-3	3.5E-3	8.7E-3	7.5E-3	9.1E-3	7.9E-3
57-74-9	B104145	PEST	Chlordane (total)	1 / 2	0.50	7.40E-03	--	4.25E-03	0	7.40E-03	4.25E-03	2.7E-5	1.6E-5	1.7E-3	9.5E-4	8.0E-3	4.6E-3	1.5E-3	8.7E-4	2.6E-3	1.5E-3	6.7E-4	3.8E-4	1.6E-3	9.3E-4	1.7E-3	9.6E-4
319-86-8	B104145	PEST	delta-BHC	1 / 2	0.50	6.60E-02	--	3.45E-02	0	6.60E-02	3.45E-02	0	0	0	0	0	0	5.5E-3	2.9E-3	0	0	8.9E-4	4.6E-4	7.4E-4	3.9E-4	9.0E-4	4.7E-4
115-29-7	B104145	PEST	Endosulfan	1 / 2	0.50	9.90E-02	--	5.17E-02	0	9.90E-02	5.17E-02	5.1E-3	2.7E-3	2.2E-2	1.2E-2	1.1E-1	5.6E-2	2.2E-2	1.1E-2	3.5E-2	1.8E-2	1.1E-2	5.5E-3	2.2E-2	1.1E-2	2.3E-2	1.2E-2
1031-07-8	B104145	PEST	Endosulfan sulfate	1 / 2	0.50	4.50E-01	--	2.27E-01	0	4.50E-01	2.27E-01	0	0	0	0	0	0	3.7E-2	1.9E-2	0	0	6.1E-3	3.1E-3	5.0E-3	2.5E-3	6.1E-3	3.1E-3
7421-93-4	B104145	PEST	Endrin aldehyde	1 / 2	0.50	9.70E-03	--	5.93E-03	0	9.70E-03	5.93E-03	0	0	0	0	0	0	8.0E-4	4.9E-4	0	0	1.3E-4	8.0E-5	1.1E-4	6.6E-5	1.3E-4	8.1E-5
1024-57-3	B104145	PEST	Heptachlor epoxide	1 / 2	0.50	5.10E-03	--	3.65E-03	0	5.10E-03	3.65E-03	2.2E-5	1.6E-5	1.1E-3	8.2E-4	5.5E-3	3.9E-3	1.0E-3	7.5E-4	1.8E-3	1.3E-3	4.6E-4	3.3E-4	1.1E-3	8.0E-4	1.2E-3	8.2E-4
58-89-9	B104145	PEST	Lindane	1 / 2	0.50	9.50E-03	--	5.30E-03	0	9.50E-03	5.30E-03	3.9E-4	2.2E-4	2.1E-3	1.2E-3	1.0E-2	5.7E-3	2.0E-3	1.1E-3	3.4E-3	1.9E-3	9.8E-4	5.4E-4	2.1E-3	1.2E-3	2.2E-3	1.2E-3
72-43-5	B104145	PEST	Methoxychlor	1 / 2	0.50	5.00E-02	--	3.05E-02	0	5.00E-02	3.05E-02	5.7E-4	3.5E-4	1.1E-2	6.8E-3	5.4E-2	3.3E-2	1.0E-2	6.3E-3	1.8E-2	1.1E-2	4.6E-3	2.8E-3	1.1E-2	6.7E-3	1.1E-2	6.9E-3
88-06-2	B104145	SVOC	2,4,6-Trichlorophenol	1 / 8	0.13	8.50E-02	--	2.88E-02	0	8.50E-02	2.88E-02	0	0	0	0	0	0	7.0E-3	2.4E-3	0	0	1.1E-3	3.9E-4	9.5E-4	3.2E-4	1.2E-3	3.9E-4
91-57-6	B104145	SVOC	2-Methyl naphthalene	1 / 8	0.13	4.60E-02	--	2.39E-02	0	4.60E-02	2.39E-02	0	0	0	0	0	0	3.8E-3	2.0E-3	0	0	6.2E-4	3.2E-4	5.2E-4	2.7E-4	6.3E-4	3.3E-4
65-85-0	B104145	SVOC	Benzoic acid	1 / 8	0.13	2.50E-01	--	1.22E-01	0	2.50E-01	1.22E-01	0	0	0	0	0	0	2.1E-2	1.0E-2	0	0	3.4E-3	1.6E-3	2.8E-3	1.4E-3	3.4E-3	1.7E-3
117-81-7	B104145	SVOC	bis (2-Ethylhexyl) phthala	1 / 8	0.13	1.40E+00	--	2.11E-01	0	1.40E+00	2.11E-01	0	0	0	0	0	0	1.2E-1	1.8E-2	0	0	1.9E-2	2.8E-3	1.6E-2	2.4E-3	1.9E-2	2.9E-3
130498-29-2L	B104145	SVOC	PAHs (Low MW)	1 / 16	0.06	1.75E-01	--	2.03E-02	0	1.75E-01	2.03E-02	1.8E-2	6.8E-3	8.5E-2	9.9E-3	0	0	6.6E-2	9.0E-3	0	0	3.7E-2	5.9E-3	1.1E-2	1.3E-3	3.7E-2	4.6E-3
130498-29-2	B104145	SVOC	PAHs (total)	1 / 16	0.06	3.90E-01	--	3.37E-02	0	3.90E-01	3.37E-02	0	0	0	0	0	0	3.2E-2	2.8E-3	0	0	5.2E-3	4.5E-4	4.4E-3	3.8E-4	5.3E-3	4.6E-4
108-95-2	B104145	SVOC	Phenol	1 / 8	0.13	2.50E+00	--	3.31E-01	0	2.50E+00	3.31E-01	2.1E+0	2.8E-1	4.5E-1	5.9E-2	0	0	1.1E+0	1.4E-1	0	0	8.8E-1	1.2E-1	7.8E-2	1.0E-2	3.3E-1	4.4E-2
67-64-1	B104145	VOC	Acetone	2 / 8	0.25	1.40E-02	--	6.63E-03	0	1.40E-02	6.63E-03	0	0	0	0	0	0	1.2E-3	5.5E-4	0	0	1.9E-4	8.9E-5	1.6E-4	7.4E-5	1.9E-4	9.0E-5
75-09-2	B104145	VOC	Methylene chloride	2 / 8	0.25	5.00E-03	--	2.03E-03	0	5.00E-03	2.03E-03	0	0	0	0	0	0	4.1E-4	1.7E-4	0	0	6.7E-5	2.7E-5	5.6E-5	2.3E-5	6.8E-5	2.8E-5
108-88-3	B104145	VOC	Toluene	1 / 8	0.13	2.00E-03	--	7.50E-04	0	2.00E-03	7.50E-04	0	0	0	0	0	0	1.7E-4	6.2E-5	0	0	2.7E-5	1.0E-5	2.2E-5	8.4E-6	2.7E-5	1.0E-5
7429-90-5	B105139	INORG	Aluminum	14 / 14	1.00	4.76E+04	3.38E+04	2.89E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B105139	INORG	Arsenic	13 / 14	0.93	1.85E+01	9.84E+00	4.73E+00	9.02E+00	9.48E+00	8.18E-01	5.3E-2	4.6E-3	1.9E-1	3.4E-2	1.6E-2	2.1E-3	9.0E-1	8.7E-2	5.2E-3	6.9E-4	2.1E-1	2.4E-2	1.3E-1	1.3E-2	2.1E-1	2.5E-2
7440-39-3	B105139	INORG	Barium	14 / 14	1.00	2.15E+02	--	1.29E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B105139	INORG	Beryllium	12 / 14	0.86	3.06E+00	--	1.03E+00	2.05E+00	1.01E+00	0 <BKG	9.4E-2	0	7.3E-3	0	3.6E-5	0	1.2E-1	0	1.2E-5	0	4.8E-2	0	1.2E-2	0	2.2E-2	0
7440-42-8	B105139	INORG	Boron	3 / 14	0.21	1.73E+01	1.01E+01	3.08E+00	8.22E+00	9.08E+00	1.85E+00	0	0	0	0	0	0	7.5E-1	1.5E-1	0	0	1.2E-1	2.5E-2	1.0E-1	2.1E-2	1.2E-1	2.5E-2
7440-43-9	B105139	INORG	Cadmium	9 / 14	0.64	1.55E+00	8.39E-01	5.88E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B105139	INORG	Chromium	14 / 14	1.00	8.30E+01	4.43E+01	3.63E+01	6.03E+01	2.27E+01	0 <BKG	1.4E-1	0	1.1E+0	0	7.3E-1	0	2.5E+0	0	2.4E-1	0	7.3E-1	0	5.0E-1	0	8.4E-1	0
7440-48-4	B105139	INORG	Cobalt	14 / 14	1.00	2.37E+01	1.33E+01	1.04E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B105139	INORG	Copper	14 / 14	1.00	2.47E+02	8.39E+01	5.09E+01	5.28E+01	1.94E+02	3.11E+01	2.3E+0	1.1E+0	1.6E+1	2.6E+0	5.3E+0	4.1E+0	2.5E+1	4.3E+0	1.7E+0	1.3E+0	8.8E+0	1.7E+0	4.9E+0	1.3E+0	9.7E+0	2.0E+0
7439-92-1	B105139	INORG	Lead	14 / 14	1.00	2.75E+01	1.68E+01	1.33E+01	1.28E+01	1.47E+01	4.03E+00	1.8E-1	8.7E-2	1.1E+0	4.0E-1	1.1E+0	6.4E-1	1.9E+0	5.7E-1	3.7E-1	2.1E-1	6.4E-1	2.2E-1	4.8E-1	2.0E-1	7.9E-1	2.9E-1
7439-93-2	B105139	INORG	Lithium	14 / 14	1.00	1.47E+01	9.59E+00	8.15E+00	1.21E+01	2.58E+00	0 <BKG	0	0	0	0	0	0	2.1E-1	0	0	0	3.5E-2	0	2.9E-2	0	3.5E-2	0
7439-96-5	B105139	INORG	Manganese	14 / 14	1.00	1.19E+03	5.92E+02	4.34E+02	1.13E+03	6.29E+01	0 <BKG	7.4E-1	0	1.2E+0	0	4.1E-1	0	6.1E+0	0	1.3E-1	0	1.5E+0	0	9.1E-1	0	1.4E+0	0
7439-97-6	B105139	INORG	Mercury	12 / 14	0.86	1.79E-01	5.95E-02	3.58E-02	9.20E-02	8.70E-02	0 <BKG	0	0	0	0	0	0	7.2E-3	0	0	0	1.2E-3	0	9.7E-4	0	1.2E-3	0
7439-98-7	B105139	INORG	Molybdenum	3 / 14	0.21	7.22E-01	--	4.18E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B105139	INORG	Nickel	14 / 14	1.00	2.47E+01	--	1.52E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B105139	INORG	Perchlorate	1 / 14	0.07	2.75E-03	--	1.36E-03	0	2.75E-03	1.36E-03	0	0	0	0	0	0	2.3E-4	1.1E-4	0	0	3.7E-5	1.8E-5	3.1E-5	1.5E-5	3.7E-5	1.9E-5
7440-24-6	B105139	INORG	Strontium	14 / 14	1.00	5.21E+01	--	9.27E+00	1.59E+01	3.62E+01	0 <BKG	0	0	0	0	0	0	3.0E+0	0	0	0	4.9E-1	0	4.1E-1	0	4.9E-1	0
7440-32-6	B105139	INORG	Titanium	14 / 14	1.00	3.55E+03	1.98E+03	1.66E+03	2.31E+03	1.24E+03	0 <BKG	0	0	0	0	0	0	1.0E+2	0	0	0	1.7E+1	0	1.4E+1	0	1.7E+1	0
7440-62-2	B105139	INORG	Vanadium	14 / 14	1.00	7.71E+01	5.22E+01	4.40E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B105139	INORG	Zinc	14 / 14	1.00	2.23E+02	1.15E+02	8.31E+01	8.96E+01	1.33E+02	2.55E+01	1.1E+1	4.4E+0	6.8E+1	4.0E+1	3.5E+1	3.2E+1	5.1E+1	2.5E+1	1.2E+1	1.0E+1	2.8E+1	1.5E+1	1.5E+1	1.0E+1	3.4E+1	2.0E+1
118-96-7	B105139	Nitroaromatics	2,4,6-Trinitrotoluene	1 / 14	0.07	5.00E-01	--	9.18E-02	0	5.00E-01	9.18E-02	3.2E-1	5.8E-2	1.2E-1	2.1E-2	0	0	2.0E-1	3.6E-2	0	0	1.5E-1	2.8E-2	1.9E-2	3.4E-3	7.1E-2	1.3E-2
121-14-2	B105139	Nitroaromatics	2,4-Dinitrotoluene	1 / 14	0.07	1.80E-01	--	6.86E-02	0	1.80E-01	6.86E-02	0	0	0	0	0	0	1.5E-2	5.7E-3	0	0	2.4E-3	9.2E-4	2.0E-3	7.7E-4	2.5E-3	9.3E-4
35572-78-2	B105139	Nitroaromatics	2-Amino-4,6-dinitrotoluen	1 / 14	0.07	6.00E-01	--	9.89E-02	0	6.00E-01	9.89E-02	0	0	0	0	0	0	5.0E-2	8.2E-3	0	0	8.1E-3	1.3E-3	6.7E-3	1.1E-3	8.2E-3	1.3E-3
19406-51-0	B105139	Nitroaromatics	4-Amino-2,6-dinitrotoluen	1 / 14	0.07	3.70E-01	--	8.25E-02	0	3.70E-01	8.25E-02	0	0	0	0	0	0	3.1E-2	6.8E-3	0	0	5.0E-3	1.1E-3	4.1E-3	9.2E-4	5.0E-3	1.1E-3
479-45-8	B105139	Nitroaromatics	Tetryl	1 / 14	0.07	4.50E-01	--	8.75E-02	0	4.50E-01	8.75E-02	0	0	0	0	0	0	3.7E-2	7.2E-3	0	0	6.1E-3	1.2E-3	5.0E-3	9.8E-4	6.1E-3	1.2E-3
88-89-1	B105139	Nonhalogenat	Picric acid	1 / 14	0.07	7.40E-01	--	7.71E-01	0	7.40E-01	7.71E-01	0	0	0	0	0	0	6.1E-2	6.4E-2	0	0	1.0E-2	1.0E-2	8.3E-3	8.6E-3	1.0E-2	1.1E-2
50-29-3	B105139	PEST	4,4'-DDT	1 / 4	0.25	3.40E-03	--	1.00E-03	0	3.40E-03	1.00E-03	0	0	6.1E-3	1.8E-3	2.9E-2	8.7E-3	3.6E-3	1.0E-3	9.6E-3	2.8E-3	2.1E-3	6.2E-4	5.7E-3	1.7E-3	5.8E-3	1.7E-3
57-74-9	B105139	PEST	Chlordane (total)	3 / 4	0.75	4.20E-03	--	1.77E-03	0	4.20E-03	1.77E-03	1.5E-5	6.4E-6	9.4E-4	4.0E-4	4.5E-3	1.9E-3	8.6E-4	3.6E-4	1.5E-3	6.2E-4	3.8E-4	1.6E-4	9.2E-4	3.8E-4	9.5E-4	4.0E-4
319-86-8	B105139	PEST	delta-BHC	1 / 4	0.25	9.70E-04	--	4.46E-04	0	9.70E-04	4.46E-04	0	0	0	0	0	0	8.0E-5	3.7E-5	0	0	1.3E-5	6.0E-6	1.1E-5	5.0E-6	1.3E-5	6.1E-6
60-57-1	B105139	PEST	Dieldrin	1 / 4	0.25	5.30E-04	--	2.83E-04	0	5.30E-04	2.83E-04	0	0	0	0	0	0	4.4E-5	2.3E-5	0	0	7.1E-6	3.8E-6	5.9E-6	3.2E-6	7.2E-6	3.8E-6
115-29-7	B105139	PEST	Endosulfan	1 / 4	0.25	3.20E-03	--	9.50E-04	0	3.20E-03	9.50E-04	1.6E-4	4.9E-5	7.2E-4	2.1E-4	3.5E-3	1.0E-3	7.0E-4	2.1E-4	1.1E-3	3.4E-4	3.4E-4	1.0E-4	7.0E-4	2.1E-4	7.3E-4	2.2E-4
72-20-8	B105139	PEST	Endrin	1 / 4	0.25	4.20E-04	--	2.55E-04	0	4.20E-04	2.55E-04	1.4E-6	8.6E-7	9.4E-5	5.7E-5	4.5E-4	2.8E-4	8.6E-5	5.2E-5	1.5E-4	9.0E-5	3.8E-5	2.3E-5	9.2E-5	5.6E-5	9.5E-5	5.8E-5
1024-57-3	B105139	PEST	Heptachlor epoxide	1 / 4	0.25	3.10E-04	--	1.55E-04	0	3.10E-04	1.55E-04	1.4E-6	6.8E-7	6.9E-5	3.5E-5	3.4E-4	1.7E-4	6.3E-5	3.2E-5	1.1E-4	5.5E-5	2.8E-5	1.4E-5	6.8E-5	3.4E-5	7.0E-5	3.5E-5
58-89-9	B105139	PEST	Lindane	1 / 4	0.25	3.70E-03	--	1.00E-03	0	3.70E-03	1.00E-03	1.5E-4	4.1E-5	8.3E-4	2.2E-4	4.0E-3	1.1E-3	8.0E-4	2.2E-4	1.3E-3	3.5E-4	3.8E-4	1.0E-4	8.1E-4	2.2E-4	8.4E-4	2.3E-4
72-43-5	B105139	PEST	Methoxychlor	1 / 4	0.25	1.30E-02	--	4.01E-03	0	1.30E-02	4.01E-03	1.5E-4	4.6E-5	2.9E-3	9.0E-4	1.4E-2	4.3E-3	2.7E-3	8.3E-4	4.6E-3	1.4E-3	1.2E-3	3.7E-4	2.8E-3	8.8E-4	2.9E-3	9.1E-4
83-32-9	B105139	SVOC	Acenaphthene	3 / 14	0.21	2.60E+00	--	3.77E-01	0	2.60E+00	3.77E-01	0	0	0	0	0	0	2.2E-1	3.1E-2	0	0	3.5E-2	5.1E-3	2.9E-2	4.2E-3	3.5E-2	5.1E-3
208-96-8	B105139	SVOC	Acenaphthylene	1 / 14	0.07	4.30E-01	--	1.11E-01	0	4.30E-01	1.11E-01	0	0	0	0	0	0	3.6E-2	9.2E-3	0	0	5.8E-3	1.5E-3	4.8E-3	1.2E-3	5.9E-3	1.5E-3
120-12-7	B105139	SVOC	Anthracene	5 / 14	0.36	1.20E+01	--	1.32E+00	0	1.20E+01	1.32E+00	0	0	0	0	0	0	9.9E-1	1.1E-1	0	0	1.6E-1	1.8E-2	1.3E-1	1.5E-2	1.6E-1	1.8E-2
56-55-3	B105139	SVOC	Benzo(a)anthracene	7 / 14	0.50	2.50E+01	--	3.21E+00	0	2.50E+01	3.21E+00	0	0	0	0	0	0	2.1E+0	2.7E-1	0	0	3.4E-1	4.3E-2	2.8E-1	3.6E-2	3.4E-1	4.4E-2
50-32-8	B105139	SVOC	Benzo(a)pyrene	7 / 14	0.50	2.20E+01	--	3.06E+00	0	2.20E+01	3.06E+00	0	0	0	0	0	0	1.8E+0	2.5E-1	0	0	3.0E-1	4.1E-2	2.5E-1	3.4E-2	3.0E-1	4.2E-2
205-99-2	B105139	SVOC	Benzo(b)fluoranthene	7 / 14	0.50	2.90E+01	--	3.89E+00	0	2.90E+01	3.89E+00	0	0	0	0	0	0	2.4E+0	3.2E-1	0	0	3.9E-1	5.2E-2	3.2E-1	4.4E-2	4.0E-1	5.3E-2
191-24-2	B105139	SVOC	Benzo(g,h,i)perylene	6 / 14	0.43	1.40E+01	--	1.97E+00	0	1.40E+01	1.97E+00	0	0	0	0	0	0	1.2E+0	1.6E-1	0	0	1.9E-1	2.6E-2	1.6E-1	2.2E-2	1.9E-1	2.7E-2
207-08-9	B105139	SVOC	Benzo(k)fluoranthene	6 / 14	0.43	1.20E+01	--	1.66E+00	0	1.20E+01	1.66E+00	0	0	0	0	0	0	9.9E-1	1.4E-1	0	0	1.6E-1	2.2E-2	1.3E-1	1.9E-2	1.6E-1	2.3E-2
65-85-0	B105139	SVOC	Benzoic acid	1 / 14	0.07	2.70E-01	--	4.88E-01	0	2.70E-01	4.88E-01	0	0	0	0	0	0	2.2E-2	4.0E-2	0	0	3.6E-3	6.6E-3	3.0E-3	5.5E-3	3.7E-3	6.6E-3
117-81-7	B105139	SVOC	bis (2-Ethylhexyl) phthala	1 / 14	0.07	2.10E+00	--	3.11E-01	0	2.10E+00	3.11E-01	0	0	0	0	0	0	1.7E-1	2.6E-2	0	0	2.8E-2	4.2E-3	2.4E-2	3.5E-3	2.9E-2	4.2E-3
86-74-8	B105139	SVOC	Carbazole	4 / 14	0.29	2.40E+00	--	4.10E-01	0	2.40E+00	4.10E-01	0	0	0	0	0	0	2.0E-1	3.4E-2	0	0	3.2E-2	5.5E-3	2.7E-2	4.6E-3	3.3E-2	5.6E-3
218-01-9	B105139	SVOC	Chrysene	7 / 14	0.50	2.30E+01	--	2.91E+00	0	2.30E+01	2.91E+00	0	0	0	0	0	0	1.9E+0	2.4E-1	0	0	3.1E-1	3.9E-2	2.6E-1	3.3E-2	3.1E-1	4.0E-2
53-70-3	B105139	SVOC	Dibenzo(a,h)anthracene	5 / 14	0.36	3.80E+00	--	5.49E-01	0	3.80E+00	5.49E-01	0	0	0	0	0	0	3.1E-1	4.5E-2	0	0	5.1E-2	7.4E-3	4.3E-2	6.1E-3	5.2E-2	7.5E-3
132-64-9	B105139	SVOC	Dibenzofuran	2 / 14	0.14	1.70E+00	1.00E+00	2.44E-01	0	1.70E+00	1.00E+00	0	0	0	0	0	0	1.4E-1	8.3E-2	0	0	2.3E-2	1.4E-2	1.9E-2	1.1E-2	2.3E-2	1.4E-2
206-44-0	B105139	SVOC	Fluoranthene	8 / 14	0.57	5.10E+01	--	6.57E+00	0	5.10E+01	6.57E+00	0	0	0	0	0	0	4.2E+0	5.4E-1	0	0	6.9E-1	8.8E-2	5.7E-1	7.4E-2	6.9E-1	8.9E-2
86-73-7	B105139	SVOC	Fluorene	3 / 14	0.21	4.20E+00	--	4.83E-01	0	4.20E+00	4.83E-01	0	0	0	0	0	0	3.5E-1	4.0E-2	0	0	5.7E-2	6.5E-3	4.7E-2	5.4E-3	5.7E-2	6.6E-3
193-39-5	B105139	SVOC	Indeno(1,2,3-c,d)pyrene	6 / 14	0.43	1.30E+01	--	1.85E+00	0	1.30E+01	1.85E+00	0	0	0	0	0	0	1.1E+0	1.5E-1	0	0	1.7E-1	2.5E-2	1.5E-1	2.1E-2	1.8E-1	2.5E-2
130498-29-2H	B105139	SVOC	PAHs (High MW)	8 / 14	0.57	2.41E+02	6.84E+01	3.17E+01	0	241	68	4.9E+0	1.5E+0	1.0E+2	2.8E+1	0	0	7.5E+1	2.1E+1	0	0	3.9E+1	1.1E+1	1.4E+1	4.0E+0	4.3E+1	1.2E+1
130498-29-2L	B105139	SVOC	PAHs (Low MW)	7 / 28	0.25	5.37E+01	7.08E+00	3.22E+00	0	5.37E+01	7.08E+00	2.4E-1	9.7E-2	2.6E+1	3.4E+0	0	0	1.9E+1	2.5E+0	0	0	9.6E+0	1.3E+0	3.5E+0	4.7E-1	1.1E+1	1.5E+0
130498-29-2	B105139	SVOC	PAHs (total)	8 / 28	0.29	2.94E+02	4.06E+01	1.91E+01	0	2.94E+02	4.06E+01	0	0	0	0	0	0	2.4E+1	3.4E+0	0	0	4.0E+0	5.5E-1	3.3E+0	4.5E-1	4.0E+0	5.5E-1
85-01-8	B105139	SVOC	Phenanthrene	7 / 14	0.50	3.40E+01	--	4.10E+00	0	3.40E+01	4.10E+00	0	0	0	0	0	0	2.8E+0	3.4E-1	0	0	4.6E-1	5.5E-2	3.8E-1	4.6E-2	4.6E-1	5.6E-2
129-00-0	B105139	SVOC	Pyrene	8 / 14	0.57	4.80E+01	--	6.09E+00	0	4.80E+01	6.09E+00	0	0	0	0	0	0	4.0E+0	5.0E-1	0	0	6.5E-1	8.2E-2	5.4E-1	6.8E-2	6.5E-1	8.3E-2
95-63-6	B105139	VOC	1,2,4-Trimethylbenzene	1 / 14	0.07	2.00E-03	--	7.50E-04	0	2.00E-03	7.50E-04	0	0	0	0	0	0	1.7E-4	6.2E-5	0	0	2.7E-5	1.0E-5	2.2E-5	8.4E-6	2.7E-5	1.0E-5

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

												Terrestrial Plants (mg/kg ww)		Terrestrial Inverts (mg/kg ww)		Prey Mammals (mg/kg ww)		American Robin TDI (mg/kg-bw/d)		Screech Owl TDI (mg/kg-bw/d)		Deer Mouse TDI (mg/kg-bw/d)		Terrestrial Mink TDI (mg/kg-bw/d)		Short-Tailed Shrew TDI (mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
78-93-3	B105139	VOC	2-Butanone	1 / 14	0.07	1.10E-02	--	3.34E-03	0	1.10E-02	3.34E-03	0	0	0	0	0	0	9.1E-4	2.8E-4	0	0	1.5E-4	4.5E-5	1.2E-4	3.7E-5	1.5E-4	4.5E-5
67-64-1	B105139	VOC	Acetone	8 / 11	0.73	1.40E-01	--	4.30E-02	0	1.40E-01	4.30E-02	0	0	0	0	0	0	1.2E-2	3.6E-3	0	0	1.9E-3	5.8E-4	1.6E-3	4.8E-4	1.9E-3	5.9E-4
99-87-6	B105139	VOC	p-Isopropyltoluene	2 / 14	0.14	7.30E-02	--	6.11E-03	0	7.30E-02	6.11E-03	0	0	0	0	0	0	6.0E-3	5.1E-4	0	0	9.8E-4	8.2E-5	8.2E-4	6.8E-5	9.9E-4	8.3E-5
108-88-3	B105139	VOC	Toluene	1 / 14	0.07	1.90E-02	--	1.93E-03	0	1.90E-02	1.93E-03	0	0	0	0	0	0	1.6E-3	1.6E-4	0	0	2.6E-4	2.6E-5	2.1E-4	2.2E-5	2.6E-4	2.6E-5
7429-90-5	B106	INORG	Aluminum	2 / 2	1.00	3.76E+04	--	3.48E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B106	INORG	Arsenic	2 / 2	1.00	2.69E+00	--	2.09E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B106	INORG	Barium	2 / 2	1.00	1.63E+02	--	1.60E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B106	INORG	Beryllium	2 / 2	1.00	1.05E+00	--	9.84E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B106	INORG	Boron	1 / 2	0.50	5.37E+00	--	2.95E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B106	INORG	Chromium	2 / 2	1.00	3.23E+01	--	2.88E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B106	INORG	Cobalt	2 / 2	1.00	1.20E+01	--	9.55E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B106	INORG	Copper	2 / 2	1.00	2.73E+01	--	2.10E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B106	INORG	Lead	2 / 2	1.00	1.40E+01	--	1.29E+01	1.28E+01	1.21E+00	1.06E-01	4.4E-2	1.1E-2	1.5E-1	2.1E-2	3.8E-1	1.3E-1	1.9E-1	2.3E-2	1.2E-1	4.2E-2	8.1E-2	1.2E-2	9.3E-2	2.5E-2	1.2E-1	2.5E-2
7439-93-2	B106	INORG	Lithium	2 / 2	1.00	1.06E+01	--	9.55E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B106	INORG	Manganese	2 / 2	1.00	3.67E+02	--	3.02E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B106	INORG	Mercury	2 / 2	1.00	3.45E-02	--	2.71E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B106	INORG	Nickel	2 / 2	1.00	2.06E+01	--	1.72E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B106	INORG	Strontium	2 / 2	1.00	6.82E+00	--	6.07E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B106	INORG	Thallium	2 / 2	1.00	4.23E+00	--	3.02E+00	4.10E+00	1.32E-01	0 <BKG	0	0	0	0	0	0	1.1E-2	0	0	0	1.8E-3	0	1.5E-3	0	1.8E-3	0
7440-32-6	B106	INORG	Titanium	2 / 2	1.00	2.00E+03	--	1.82E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B106	INORG	Vanadium	2 / 2	1.00	5.23E+01	--	4.63E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B106	INORG	Zinc	2 / 2	1.00	1.22E+02	--	8.45E+01	8.96E+01	3.25E+01	0 <BKG	5.0E+0	0	4.3E+1	0	3.2E+1	0	2.7E+1	0	1.0E+1	0	1.7E+1	0	1.1E+1	0	2.1E+1	0
115-29-7	B106	PEST	Endosulfan	1 / 1	1.00	1.70E-02	--	1.70E-02	0	1.70E-02	1.70E-02	8.8E-4	8.8E-4	3.8E-3	3.8E-3	1.8E-2	1.8E-2	3.7E-3	3.7E-3	6.0E-3	6.0E-3	1.8E-3	1.8E-3	3.7E-3	3.7E-3	3.9E-3	3.9E-3
1031-07-8	B106	PEST	Endosulfan sulfate	1 / 1	1.00	6.60E-04	--	6.60E-04	0	6.60E-04	6.60E-04	0	0	0	0	0	0	5.5E-5	5.5E-5	0	0	8.9E-6	8.9E-6	7.4E-6	7.4E-6	9.0E-6	9.0E-6
75-09-2	B106	VOC	Methylene chloride	1 / 2	0.50	6.00E-03	--	3.75E-03	0	6.00E-03	3.75E-03	0	0	0	0	0	0	5.0E-4	3.1E-4	0	0	8.1E-5	5.0E-5	6.7E-5	4.2E-5	8.2E-5	5.1E-5
7429-90-5	B107	INORG	Aluminum	7 / 7	1.00	4.25E+04	3.67E+04	3.20E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B107	INORG	Arsenic	1 / 7	0.14	2.59E+00	--	1.24E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B107	INORG	Barium	7 / 7	1.00	2.71E+02	--	1.50E+02	2.36E+02	3.52E+01	0 <BKG	8.2E-1	0	5.1E-1	0	3.8E-3	0	3.4E+0	0	1.3E-3	0	9.2E-1	0	4.5E-1	0	7.3E-1	0
7440-41-7	B107	INORG	Beryllium	7 / 7	1.00	1.60E+00	--	7.64E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B107	INORG	Boron	7 / 7	1.00	1.41E+01	9.21E+00	6.04E+00	8.22E+00	5.88E+00	9.97E-01	0	0	0	0	0	0	4.9E-1	8.3E-2	0	0	7.9E-2	1.3E-2	6.6E-2	1.1E-2	8.0E-2	1.4E-2
7440-43-9	B107	INORG	Cadmium	1 / 7	0.14	2.01E-01	--	1.06E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B107	INORG	Chromium	7 / 7	1.00	4.84E+01	4.25E+01	3.79E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B107	INORG	Cobalt	7 / 7	1.00	1.61E+01	1.45E+01	1.25E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B107	INORG	Copper	7 / 7	1.00	6.59E+01	4.60E+01	3.13E+01	5.28E+01	1.31E+01	0 <BKG	8.1E-1	0	1.1E+0	0	3.6E+0	0	1.9E+0	0	1.2E+0	0	8.1E-1	0	8.7E-1	0	1.1E+0	0
7439-92-1	B107	INORG	Lead	7 / 7	1.00	2.07E+01	1.84E+01	1.49E+01	1.28E+01	7.91E+00	5.60E+00	1.3E-1	1.0E-1	6.8E-1	5.2E-1	8.6E-1	7.4E-1	1.1E+0	7.7E-1	2.8E-1	2.4E-1	3.8E-1	2.8E-1	3.1E-1	2.4E-1	4.8E-1	3.7E-1
7439-93-2	B107	INORG	Lithium	5 / 7	0.71	7.90E+00	6.91E+00	5.01E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B107	INORG	Manganese	7 / 7	1.00	1.89E+03	1.29E+03	5.93E+02	1.13E+03	7.63E+02	1.63E+02	9.0E+0	1.9E+0	6.6E+0	2.3E+0	5.0E+0	1.1E+0	6.9E+1	1.5E+1	1.6E+0	3.5E-1	1.6E+1	3.6E+0	1.0E+1	2.3E+0	1.4E+1	3.4E+0
7439-98-7	B107	INORG	Molybdenum	1 / 7	0.14	8.25E-01	--	3.60E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B107	INORG	Nickel	7 / 7	1.00	3.26E+01	--	2.03E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B107	INORG	Perchlorate	1 / 7	0.14	4.60E-03	--	1.86E-03	0	4.60E-03	1.86E-03	0	0	0	0	0	0	3.8E-4	1.5E-4	0	0	6.2E-5	2.5E-5	5.2E-5	2.1E-5	6.3E-5	2.5E-5
7440-24-6	B107	INORG	Strontium	7 / 7	1.00	1.63E+01	--	9.58E+00	1.59E+01	3.82E-01	0 <BKG	0	0	0	0	0	0	3.2E-2	0	0	0	5.1E-3	0	4.3E-3	0	5.2E-3	0
7440-32-6	B107	INORG	Titanium	7 / 7	1.00	2.14E+03	1.61E+03	1.30E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B107	INORG	Vanadium	7 / 7	1.00	6.74E+01	5.95E+01	5.26E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B107	INORG	Zinc	7 / 7	1.00	9.33E+01	7.42E+01	5.72E+01	8.96E+01	3.75E+00	0 <BKG	1.5E+0	0	2.1E+1	0	2.8E+1	0	1.2E+1	0	9.0E+0	0	7.7E+0	0	7.0E+0	0	1.2E+1	0
2691-41-0	B107	Nitroaromatics	HMX	1 / 7	0.14	4.00E-01	--	2.11E-01	0	4.00E-01	2.11E-01	0	0	0	0	0	0	3.3E-2	1.7E-2	0	0	5.4E-3	2.8E-3	4.5E-3	2.4E-3	5.4E-3	2.9E-3
50-29-3	B107	PEST	4,4'-DDT	1 / 2	0.50	1.90E-03	--	1.08E-03	0	1.90E-03	1.08E-03	0	0	3.4E-3	1.9E-3	1.6E-2	9.3E-3	2.0E-3	1.1E-3	5.4E-3	3.0E-3	1.2E-3	6.7E-4	3.2E-3	1.8E-3	3.2E-3	1.8E-3
319-85-7	B107	PEST	beta-BHC	1 / 2	0.50	2.20E-03	--	1.48E-03	0	2.20E-03	1.48E-03	8.3E-5	5.6E-5	4.9E-4	3.3E-4	2.4E-3	1.6E-3	4.7E-4	3.2E-4	7.8E-4	5.2E-4	2.2E-4	1.5E-4	4.8E-4	3.2E-4	5.0E-4	3.4E-4
57-74-9	B107	PEST	Chlordane (total)	1 / 2	0.50	1.60E-03	--	8.68E-04	0	1.60E-03	8.68E-04	5.8E-6	3.2E-6	3.6E-4	1.9E-4	1.7E-3	9.4E-4	3.3E-4	1.8E-4	5.6E-4	3.1E-4	1.4E-4	7.8E-5	3.5E-4	1.9E-4	3.6E-4	2.0E-4
319-86-8	B107	PEST	delta-BHC	2 / 2	1.00	1.50E-03	--	1.30E-03	0	1.50E-03	1.30E-03	0	0	0	0	0	0	1.2E-4	1.1E-4	0	0	2.0E-5	1.7E-5	1.7E-5	1.5E-5	2.0E-5	1.8E-5
115-29-7	B107	PEST	Endosulfan	2 / 2	1.00	7.80E-03	--	5.90E-03	0	7.80E-03	5.90E-03	4.0E-4	3.0E-4	1.7E-3	1.3E-3	8.4E-3	6.4E-3	1.7E-3	1.3E-3	2.8E-3	2.1E-3	8.3E-4	6.3E-4	1.7E-3	1.3E-3	1.8E-3	1.3E-3
58-89-9	B107	PEST	Lindane	1 / 2	0.50	3.30E-04	--	2.18E-04	0	3.30E-04	2.18E-04	1.4E-5	8.9E-6	7.4E-5	4.9E-5	3.6E-4	2.4E-4	7.1E-5	4.7E-5	1.2E-4	7.7E-5	3.4E-5	2.2E-5	7.2E-5	4.7E-5	7.5E-5	5.0E-5
90-12-0	B107	SVOC	1-Methylnaphthalene	1 / 7	0.14	7.40E-02	--	2.91E-02	0	7.40E-02	2.91E-02	0	0	0	0	0	0	6.1E-3	2.4E-3	0	0	1.0E-3	3.9E-4	8.3E-4	3.3E-4	1.0E-3	4.0E-4
91-57-6	B107	SVOC	2-Methyl naphthalene	1 / 7	0.14	1.10E-01	--	3.42E-02	0	1.10E-01	3.42E-02	0	0	0	0	0	0	9.1E-3	2.8E-3	0	0	1.5E-3	4.6E-4	1.2E-3	3.8E-4	1.5E-3	4.7E-4
99-09-2	B107	SVOC	3-Nitroaniline	2 / 7	0.29	2.00E-01	--	7.76E-02	0	2.00E-01	7.76E-02	0	0	0	0	0	0	1.7E-2	6.4E-3	0	0	2.7E-3	1.0E-3	2.2E-3	8.7E-4	2.7E-3	1.1E-3
83-32-9	B107	SVOC	Acenaphthene	1 / 7	0.14	8.10E-01	--	1.34E-01	0	8.10E-01	1.34E-01	0	0	0	0	0	0	6.7E-2	1.1E-2	0	0	1.1E-2	1.8E-3	9.1E-3	1.5E-3	1.1E-2	1.8E-3
120-12-7	B107	SVOC	Anthracene	1 / 7	0.14	1.70E+00	--	2.61E-01	0	1.70E+00	2.61E-01	0	0	0	0	0	0	1.4E-1	2.2E-2	0	0	2.3E-2	3.5E-3	1.9E-2	2.9E-3	2.3E-2	3.6E-3
56-55-3	B107	SVOC	Benzo(a)anthracene	2 / 7	0.29	3.00E+00	--	4.57E-01	0	3.00E+00	4.57E-01	0	0	0	0	0	0	2.5E-1	3.8E-2	0	0	4.0E-2	6.2E-3	3.4E-2	5.1E-3	4.1E-2	6.2E-3
50-32-8	B107	SVOC	Benzo(a)pyrene	2 / 7	0.29	2.60E+00	--	3.99E-01	0	2.60E+00	3.99E-01	0	0	0	0	0	0	2.2E-1	3.3E-2	0	0	3.5E-2	5.4E-3	2.9E-2	4.5E-3	3.5E-2	5.4E-3
205-99-2	B107	SVOC	Benzo(b)fluoranthene	2 / 7	0.29	3.40E+00	--	5.14E-01	0	3.40E+00	5.14E-01	0	0	0	0	0	0	2.8E-1	4.3E-2	0	0	4.6E-2	6.9E-3	3.8E-2	5.8E-3	4.6E-2	7.0E-3
191-24-2	B107	SVOC	Benzo(g,h,i)perylene	2 / 7	0.29	1.50E+00	--	2.40E-01	0	1.50E+00	2.40E-01	0	0	0	0	0	0	1.2E-1	2.0E-2	0	0	2.0E-2	3.2E-3	1.7E-2	2.7E-3	2.0E-2	3.3E-3
207-08-9	B107	SVOC	Benzo(k)fluoranthene	2 / 7	0.29	1.30E+00	--	2.09E-01	0	1.30E+00	2.09E-01	0	0	0	0	0	0	1.1E-1	1.7E-2	0	0	1.7E-2	2.8E-3	1.5E-2	2.3E-3	1.8E-2	2.8E-3
117-81-7	B107	SVOC	bis (2-Ethylhexyl) phthalat	1 / 7	0.14	3.30E-01	--	8.50E-02	0	3.30E-01	8.50E-02	0	0	0	0	0	0	2.7E-2	7.0E-3	0	0	4.4E-3	1.1E-3	3.7E-3	9.5E-4	4.5E-3	1.2E-3
86-74-8	B107	SVOC	Carbazole	1 / 7	0.14	7.40E-01	--	1.24E-01	0	7.40E-01	1.24E-01	0	0	0	0	0	0	6.1E-2	1.0E-2	0	0	1.0E-2	1.7E-3	8.3E-3	1.4E-3	1.0E-2	1.7E-3
218-01-9	B107	SVOC	Chrysene	2 / 7	0.29	3.10E+00	--	4.72E-01	0	3.10E+00	4.72E-01	0	0	0	0	0	0	2.6E-1	3.9E-2	0	0	4.2E-2	6.4E-3	3.5E-2	5.3E-3	4.2E-2	6.4E-3
53-70-3	B107	SVOC	Dibenzo(a,h)anthracene	1 / 7	0.14	4.40E-01	--	8.14E-02	0	4.40E-01	8.14E-02	0	0	0	0	0	0	3.6E-2	6.7E-3	0	0	5.9E-3	1.1E-3	4.9E-3	9.1E-4	6.0E-3	1.1E-3
132-64-9	B107	SVOC	Dibenzofuran	1 / 7	0.14	4.30E-01	--	7.99E-02	0	4.30E-01	7.99E-02	0	0	0	0	0	0	3.6E-2	6.6E-3	0	0	5.8E-3	1.1E-3	4.8E-3	9.0E-4	5.9E-3	1.1E-3
84-74-2	B107	SVOC	Dibutyl phthalate	1 / 7	0.14	1.50E-01	--	5.76E-02	0	1.50E-01	5.76E-02	0	0	0	0	0	0	1.2E-2	4.8E-3	0	0	2.0E-3	7.7E-4	1.7E-3	6.4E-4	2.0E-3	7.8E-4
131-11-3	B107	SVOC	Dimethyl phthalate	1 / 7	0.14	1.10E-01	--	5.36E-02	0	1.10E-01	5.36E-02	0	0	0	0	0	0	9.1E-3	4.4E-3	0	0	1.5E-3	7.2E-4	1.2E-3	6.0E-4	1.5E-3	7.3E-4
206-44-0	B107	SVOC	Fluoranthene	3 / 7	0.43	5.50E+00	--	8.28E-01	0	5.50E+00	8.28E-01	0	0	0	0	0	0	4.6E-1	6.9E-2	0	0	7.4E-2	1.1E-2	6.2E-2	9.3E-3	7.5E-2	1.1E-2
86-73-7	B107	SVOC	Fluorene	1 / 7	0.14	7.50E-01	--	1.26E-01	0	7.50E-01	1.26E-01	0	0	0	0	0	0	6.2E-2	1.0E-2	0	0	1.0E-2	1.7E-3	8.4E-3	1.4E-3	1.0E-2	1.7E-3
193-39-5	B107	SVOC	Indeno(1,2,3-c,d)pyrene	2 / 7	0.29	1.50E+00	--	2.38E-01	0	1.50E+00	2.38E-01	0	0	0	0	0	0	1.2E-1	2.0E-2	0	0	2.0E-2	3.2E-3	1.7E-2	2.7E-3	2.0E-2	3.2E-3
130498-29-2H	B107	SVOC	PAHs (High MW)	3 / 7	0.43	2.82E+01	4.93E+01	4.21E+00	0	28	4	6.5E-1	1.1E-1	1.2E+1	1.8E+0	0	0	8.9E+0	1.3E+0	0	0	4.5E+0	6.8E-1	1.6E+0	2.4E-1	5.1E+0	7.6E-1
130498-29-2L	B107	SVOC	PAHs (Low MW)	2 / 15	0.13	9.07E+00	--	6.32E-01	0	9.07E+00	6.32E-01	1.1E-1	3.3E-2	4.4E+0	3.1E-1	0	0	3.2E+0	2.3E-1	0	0	1.6E+0	1.2E-1	6.0E-1	4.2E-2	1.9E+0	1.3E-1
130498-29-2	B107	SVOC	PAHs (total)	3 / 15	0.20	3.73E+01	3.18E+01	2.60E+00	0	3.73E+01	3.18E+01	0	0	0	0	0	0	3.1E+0	2.6E+0	0	0	5.0E-1	4.3E-1	4.2E-1	3.6E-1	5.1E-1	4.3E-1
85-01-8	B107	SVOC	Phenanthrene	2 / 7	0.29	5.60E+00	--	8.33E-01	0	5.60E+00	8.33E-01	0	0	0	0	0	0	4.6E-1	6.9E-2	0	0	7.5E-2	1.1E-2	6.3E-2	9.3E-3	7.6E-2	1.1E-2
108-95-2	B107	SVOC	Phenol	3 / 7	0.43	3.90E-01	2.09E-01	8.66E-02	0	3.90E-01	2.09E-01	3.2E-1	1.7E-1	7.0E-2	3.7E-2	0	0	1.6E-1	8.8E-2	0	0	1.4E-1	7.4E-2	1.2E-2	6.5E-3	5.2E-2	2.8E-2
129-00-0	B107	SVOC	Pyrene	3 / 7	0.43	5.90E+00	--	8.84E-01	0	5.90E+00	8.84E-01	0	0	0	0	0	0	4.9E-1	7.3E-2	0	0	7.9E-2	1.2E-2	6.6E-2	9.9E-3	8.0E-2	1.2E-2
108-67-8	B107	VOC	1,3,5-Trimethylbenzene	1 / 8	0.13	4.00E-03	--	6.94E-03	0	4.00E-03	6.94E-03	0	0	0	0	0	0	3.3E-4	5.7E-4	0	0	5.4E-5	9.3E-5	4.5E-5	7.8E-5	5.4E-5	9.5E-5
67-64-1	B107	VOC	Acetone	3 / 8	0.38	2.20E-01	--	8.95E-02	0	2.20E-01	8.95E-02	0	0	0	0	0	0	1.8E-2	7.4E-3	0	0	3.0E-3	1.2E-3	2.5E-3	1.0E-3	3.0E-3	1.2E-3
100-41-4	B107	VOC	Ethylbenzene	1 / 8	0.13	1.30E+01	--	1.63E+00	0	1.30E+01	1.63E+00	0	0	0	0	0	0	1.1E+0	1.3E-1	0	0	1.7E-1	2.2E-2	1.5E-1	1.8E-2	1.8E-1	2.2E-2
98-82-8	B107	VOC	Isopropylbenzene	1 / 8	0.13	4.00E-03	--	6.94E-03	0	4.00E-03	6.94E-03	0	0	0	0	0	0	3.3E-4	5.7E-4	0	0	5.4E-5	9.3E-5	4.5E-5	7.8E-5	5.4E-5	9.5E-5
79-20-9	B107	VOC	Methyl acetate	1 / 8	0.13	4.90E-01	--	6.26E-02	0	4.90E-01	6.26E-02	0	0	0	0	0	0	4.1E-2	5.2E-3	0	0	6.6E-3	8.4E-4	5.5E-3	7.0E-4	6.7E-3	8.5E-4
75-09-2	B107	VOC	Methylene chloride	1 / 8	0.13	4.00E-03	--	1.36E-02	0	4.00E-03	1.36E-02	0	0	0	0	0	0	3.3E-4	1.1E-3	0	0	5.4E-5	1.8E-4	4.5E-5	1.5E-4	5.4E-5	1.9E-4
99-87-6	B107	VOC	p-Isopropyltoluene	2 / 8	0.25	4.00E-03	--	7.25E-03	0	4.00E-03	7.25E-03	0	0	0	0	0	0	3.3E-4	6.0E-4	0	0	5.4E-5	9.8E-5	4.5E-5	8.1E-5	5.4E-5	9.9E-5

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
100-42-5	B107	VOC	Styrene	1	/	8	0.13	7.00E+00	--	8.76E-01	0	7.00E+00	8.76E-01	0	0	0	0	0	0	5.8E-1	7.3E-2	0	0	9.4E-2	1.2E-2	7.8E-2	9.8E-3	9.5E-2	1.2E-2
79-01-6	B107	VOC	Trichloroethylene	1	/	8	0.13	6.60E-01	--	8.31E-02	0	6.60E-01	8.31E-02	0	0	0	0	0	0	5.5E-2	6.9E-3	0	0	8.9E-3	1.1E-3	7.4E-3	9.3E-4	9.0E-3	1.1E-3
7429-90-5	B108	INORG	Aluminum	2	/	2	1.00	3.06E+04	--	2.34E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B108	INORG	Arsenic	2	/	2	1.00	1.68E+00	--	1.67E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B108	INORG	Barium	2	/	2	1.00	1.25E+02	--	1.11E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B108	INORG	Beryllium	2	/	2	1.00	4.04E-01	--	3.44E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B108	INORG	Boron	2	/	2	1.00	1.91E+01	--	1.66E+01	8.22E+00	1.09E+01	8.38E+00	0	0	0	0	0	0	9.0E-1	6.9E-1	0	0	1.5E-1	1.1E-1	1.2E-1	9.4E-2	1.5E-1	1.1E-1
7440-43-9	B108	INORG	Cadmium	1	/	2	0.50	1.44E-01	--	1.12E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B108	INORG	Chromium	2	/	2	1.00	2.88E+01	--	2.70E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B108	INORG	Cobalt	2	/	2	1.00	1.35E+01	--	1.10E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B108	INORG	Copper	2	/	2	1.00	3.18E+01	--	2.41E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B108	INORG	Lead	2	/	2	1.00	1.41E+01	--	8.69E+00	1.28E+01	1.26E+00	0 <BKG	4.5E-2	0	1.5E-1	0	3.8E-1	0	2.0E-1	0	1.2E-1	0	8.4E-2	0	9.6E-2	0	1.2E-1	0
7439-93-2	B108	INORG	Lithium	2	/	2	1.00	6.50E+00	--	6.35E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B108	INORG	Manganese	2	/	2	1.00	4.78E+02	--	4.59E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B108	INORG	Mercury	2	/	2	1.00	4.08E-02	--	3.67E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B108	INORG	Nickel	2	/	2	1.00	1.54E+01	--	1.45E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B108	INORG	Strontium	2	/	2	1.00	6.51E+00	--	6.31E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B108	INORG	Thallium	2	/	2	1.00	3.99E+00	--	3.75E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B108	INORG	Titanium	2	/	2	1.00	1.39E+03	--	1.21E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B108	INORG	Vanadium	2	/	2	1.00	4.99E+01	--	4.09E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B108	INORG	Zinc	2	/	2	1.00	5.82E+01	--	5.22E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7429-90-5	B109137	INORG	Aluminum	3	/	3	1.00	5.23E+04	--	4.21E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B109137	INORG	Barium	3	/	3	1.00	7.43E+01	--	6.44E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B109137	INORG	Beryllium	3	/	3	1.00	1.00E+00	--	8.19E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B109137	INORG	Boron	1	/	3	0.33	1.26E+01	--	6.05E+00	8.22E+00	4.38E+00	0 <BKG	0	0	0	0	0	0	3.6E-1	0	0	0	5.9E-2	0	4.9E-2	0	6.0E-2	0
7440-43-9	B109137	INORG	Cadmium	3	/	3	1.00	1.94E+00	--	1.27E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B109137	INORG	Chromium	3	/	3	1.00	9.72E+01	--	5.26E+01	6.03E+01	3.69E+01	0 <BKG	2.3E-1	0	1.8E+0	0	1.0E+0	0	4.1E+0	0	3.4E-1	0	1.2E+0	0	7.9E-1	0	1.4E+0	0
7440-48-4	B109137	INORG	Cobalt	3	/	3	1.00	2.44E+01	--	1.30E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B109137	INORG	Copper	3	/	3	1.00	4.57E+01	--	3.36E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B109137	INORG	Lead	3	/	3	1.00	1.11E+01	--	7.94E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	B109137	INORG	Lithium	3	/	3	1.00	7.80E+00	--	6.03E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B109137	INORG	Manganese	3	/	3	1.00	5.32E+02	--	3.77E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B109137	INORG	Mercury	3	/	3	1.00	6.39E-02	--	5.86E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B109137	INORG	Molybdenum	1	/	3	0.33	5.83E-01	--	3.69E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B109137	INORG	Nickel	3	/	3	1.00	2.37E+01	--	1.67E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B109137	INORG	Strontium	3	/	3	1.00	7.03E+00	--	5.33E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B109137	INORG	Thallium	1	/	3	0.33	2.85E+00	--	3.96E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B109137	INORG	Titanium	3	/	3	1.00	9.79E+02	--	8.47E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B109137	INORG	Vanadium	3	/	3	1.00	9.15E+01	--	7.10E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B109137	INORG	Zinc	3	/	3	1.00	4.39E+01	--	3.29E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92-52-4	B109137	SVOC	1,1'-Biphenyl	2	/	6	0.33	3.20E+00	--	9.14E-01	0	3.20E+00	9.14E-01	0	0	0	0	0	0	2.7E-1	7.6E-2	0	0	4.3E-2	1.2E-2	3.6E-2	1.0E-2	4.4E-2	1.2E-2
90-12-0	B109137	SVOC	1-Methylnaphthalene	3	/	6	0.50	4.20E+01	--	1.22E+01	0	4.20E+01	1.22E+01	0	0	0	0	0	0	3.5E+0	1.0E+0	0	0	5.7E-1	1.6E-1	4.7E-1	1.4E-1	5.7E-1	1.7E-1
91-57-6	B109137	SVOC	2-Methyl naphthalene	3	/	6	0.50	6.90E+01	--	1.99E+01	0	6.90E+01	1.99E+01	0	0	0	0	0	0	5.7E+0	1.6E+0	0	0	9.3E-1	2.7E-1	7.7E-1	2.2E-1	9.4E-1	2.7E-1
83-32-9	B109137	SVOC	Acenaphthene	1	/	6	0.17	6.70E-01	--	1.60E-01	0	6.70E-01	1.60E-01	0	0	0	0	0	0	5.5E-2	1.3E-2	0	0	9.0E-3	2.1E-3	7.5E-3	1.8E-3	9.1E-3	2.2E-3
120-12-7	B109137	SVOC	Anthracene	3	/	6	0.50	1.60E+00	--	5.20E-01	0	1.60E+00	5.20E-01	0	0	0	0	0	0	1.3E-1	4.3E-2	0	0	2.2E-2	7.0E-3	1.8E-2	5.8E-3	2.2E-2	7.1E-3
56-55-3	B109137	SVOC	Benzo(a)anthracene	2	/	6	0.33	4.40E+00	--	9.06E-01	0	4.40E+00	9.06E-01	0	0	0	0	0	0	3.6E-1	7.5E-2	0	0	5.9E-2	1.2E-2	4.9E-2	1.0E-2	6.0E-2	1.2E-2
50-32-8	B109137	SVOC	Benzo(a)pyrene	2	/	6	0.33	4.30E+00	--	8.01E-01	0	4.30E+00	8.01E-01	0	0	0	0	0	0	3.6E-1	6.6E-2	0	0	5.8E-2	1.1E-2	4.8E-2	9.0E-3	5.9E-2	1.1E-2
205-99-2	B109137	SVOC	Benzo(b)fluoranthene	2	/	6	0.33	5.20E+00	--	1.18E+00	0	5.20E+00	1.18E+00	0	0	0	0	0	0	4.3E-1	9.8E-2	0	0	7.0E-2	1.6E-2	5.8E-2	1.3E-2	7.1E-2	1.6E-2
191-24-2	B109137	SVOC	Benzo(g,h,i)perylene	2	/	6	0.33	3.00E+00	--	6.75E-01	0	3.00E+00	6.75E-01	0	0	0	0	0	0	2.5E-1	5.6E-2	0	0	4.0E-2	9.1E-3	3.4E-2	7.6E-3	4.1E-2	9.2E-3
207-08-9	B109137	SVOC	Benzo(k)fluoranthene	2	/	6	0.33	2.50E+00	--	5.81E-01	0	2.50E+00	5.81E-01	0	0	0	0	0	0	2.1E-1	4.8E-2	0	0	3.4E-2	7.8E-3	2.8E-2	6.5E-3	3.4E-2	7.9E-3
117-81-7	B109137	SVOC	bis (2-Ethylhexyl) phthalat	2	/	6	0.33	2.00E-01	--	1.48E-01	0	2.00E-01	1.48E-01	0	0	0	0	0	0	1.7E-2	1.2E-2	0	0	2.7E-3	2.0E-3	2.2E-3	1.7E-3	2.7E-3	2.0E-3
85-68-7	B109137	SVOC	Butylbenzylphthalate	1	/	6	0.17	3.40E-01	--	1.52E-01	0	3.40E-01	1.52E-01	0	0	0	0	0	0	2.8E-2	1.3E-2	0	0	4.6E-3	2.0E-3	3.8E-3	1.7E-3	4.6E-3	2.1E-3
86-74-8	B109137	SVOC	Carbazole	1	/	6	0.17	1.40E+00	--	2.81E-01	0	1.40E+00	2.81E-01	0	0	0	0	0	0	1.2E-1	2.3E-2	0	0	1.9E-2	3.8E-3	1.6E-2	3.2E-3	1.9E-2	3.8E-3
218-01-9	B109137	SVOC	Chrysene	2	/	6	0.33	4.70E+00	--	1.03E+00	0	4.70E+00	1.03E+00	0	0	0	0	0	0	3.9E-1	8.5E-2	0	0	6.3E-2	1.4E-2	5.3E-2	1.2E-2	6.4E-2	1.4E-2
53-70-3	B109137	SVOC	Dibenzo(a,h)anthracene	2	/	6	0.33	9.00E-01	--	2.28E-01	0	9.00E-01	2.28E-01	0	0	0	0	0	0	7.5E-2	1.9E-2	0	0	1.2E-2	3.1E-3	1.0E-2	2.6E-3	1.2E-2	3.1E-3
132-64-9	B109137	SVOC	Dibenzofuran	2	/	6	0.33	2.60E+00	2.97E+00	4.94E-01	0	2.60E+00	4.94E-01	0	0	0	0	0	0	2.2E-1	4.1E-2	0	0	3.5E-2	6.6E-3	2.9E-2	5.5E-3	3.5E-2	6.7E-3
206-44-0	B109137	SVOC	Fluoranthene	3	/	6	0.50	9.20E+00	--	2.05E+00	0	9.20E+00	2.05E+00	0	0	0	0	0	0	7.6E-1	1.7E-1	0	0	1.2E-1	2.8E-2	1.0E-1	2.3E-2	1.3E-1	2.8E-2
86-73-7	B109137	SVOC	Fluorene	2	/	6	0.33	2.30E+00	--	5.13E-01	0	2.30E+00	5.13E-01	0	0	0	0	0	0	1.9E-1	4.2E-2	0	0	3.1E-2	6.9E-3	2.6E-2	5.7E-3	3.1E-2	7.0E-3
193-39-5	B109137	SVOC	Indeno(1,2,3-c,d)pyrene	2	/	6	0.33	2.90E+00	--	6.46E-01	0	2.90E+00	6.46E-01	0	0	0	0	0	0	2.4E-1	5.4E-2	0	0	3.9E-2	8.7E-3	3.2E-2	7.2E-3	4.0E-2	8.8E-3
130498-29-2H	B109137	SVOC	PAHs (High MW)	3	/	6	0.50	4.39E+01	2.55E+01	9.61E+00	0	44	26	9.8E-1	5.9E-1	1.8E+1	1.1E+1	0	0	1.4E+1	8.0E+0	0	0	7.1E+0	4.1E+0	2.5E+0	1.5E+0	7.9E+0	4.6E+0
130498-29-2L	B109137	SVOC	PAHs (Low MW)	7	/	15	0.47	1.36E+02	--	1.72E+01	0	1.36E+02	1.72E+01	3.7E-1	1.5E-1	6.6E+1	8.4E+0	0	0	4.7E+1	6.0E+0	0	0	2.4E+1	3.1E+0	9.0E+0	1.1E+0	2.8E+1	3.6E+0
130498-29-2	B109137	SVOC	PAHs (total)	7	/	15	0.47	1.40E+02	4.47E+01	2.10E+01	0	1.40E+02	4.47E+01	0	0	0	0	0	0	1.2E+1	3.7E+0	0	0	1.9E+0	6.0E-1	1.6E+0	5.0E-1	1.9E+0	6.1E-1
85-01-8	B109137	SVOC	Phenanthrene	4	/	6	0.67	2.40E+01	--	8.10E+00	0	2.40E+01	8.10E+00	0	0	0	0	0	0	2.0E+0	6.7E-1	0	0	3.2E-1	1.1E-1	2.7E-1	9.1E-2	3.3E-1	1.1E-1
129-00-0	B109137	SVOC	Pyrene	3	/	6	0.50	6.80E+00	--	1.61E+00	0	6.80E+00	1.61E+00	0	0	0	0	0	0	5.6E-1	1.3E-1	0	0	9.2E-2	2.2E-2	7.6E-2	1.8E-2	9.3E-2	2.2E-2
95-63-6	B109137	VOC	1,2,4-Trimethylbenzene	2	/	9	0.22	1.40E+01	--	1.96E+00	0	1.40E+01	1.96E+00	0	0	0	0	0	0	1.2E+0	1.6E-1	0	0	1.9E-1	2.6E-2	1.6E-1	2.2E-2	1.9E-1	2.7E-2
108-67-8	B109137	VOC	1,3,5-Trimethylbenzene	2	/	9	0.22	1.00E+01	--	1.32E+00	0	1.00E+01	1.32E+00	0	0	0	0	0	0	8.3E-1	1.1E-1	0	0	1.3E-1	1.8E-2	1.1E-1	1.5E-2	1.4E-1	1.8E-2
67-64-1	B109137	VOC	Acetone	2	/	9	0.22	1.72E-01	--	9.09E-02	0	1.72E-01	9.09E-02	0	0	0	0	0	0	1.4E-2	7.5E-3	0	0	2.3E-3	1.2E-3	1.9E-3	1.0E-3	2.3E-3	1.2E-3
100-41-4	B109137	VOC	Ethylbenzene	2	/	9	0.22	9.90E-01	--	1.32E-01	0	9.90E-01	1.32E-01	0	0	0	0	0	0	8.2E-2	1.1E-2	0	0	1.3E-2	1.8E-3	1.1E-2	1.5E-3	1.3E-2	1.8E-3
98-82-8	B109137	VOC	Isopropylbenzene	2	/	9	0.22	1.10E+00	--	1.42E-01	0	1.10E+00	1.42E-01	0	0	0	0	0	0	9.1E-2	1.2E-2	0	0	1.5E-2	1.9E-3	1.2E-2	1.6E-3	1.5E-2	1.9E-3
108-87-2	B109137	VOC	Methylcyclohexane	1	/	9	0.11	1.80E+00	--	2.08E-01	0	1.80E+00	2.08E-01	0	0	0	0	0	0	1.5E-1	1.7E-2	0	0	2.4E-2	2.8E-3	2.0E-2	2.3E-3	2.5E-2	2.8E-3
75-09-2	B109137	VOC	Methylene chloride	2	/	9	0.22	5.00E-03	--	2.55E-02	0	5.00E-03	2.55E-02	0	0	0	0	0	0	4.1E-4	2.1E-3	0	0	6.7E-5	3.4E-4	5.6E-5	2.9E-4	6.8E-5	3.5E-4
91-20-3	B109137	VOC	Naphthalene	3	/	9	0.33	7.60E+00	--	1.06E+00	0	7.60E+00	1.06E+00	0	0	0	0	0	0	6.3E-1	8.8E-2	0	0	1.0E-1	1.4E-2	8.5E-2	1.2E-2	1.0E-1	1.4E-2
104-51-8	B109137	VOC	n-Butylbenzene	2	/	9	0.22	2.80E+00	--	3.66E-01	0	2.80E+00	3.66E-01	0	0	0	0	0	0	2.3E-1	3.0E-2	0	0	3.8E-2	4.9E-3	3.1E-2	4.1E-3	3.8E-2	5.0E-3
103-65-1	B109137	VOC	n-Propyl benzene	2	/	9	0.22	2.00E+00	--	2.63E-01	0	2.00E+00	2.63E-01	0	0	0	0	0	0	1.7E-1	2.2E-2	0	0	2.7E-2	3.5E-3	2.2E-2	2.9E-3	2.7E-2	3.6E-3
99-87-6	B109137	VOC	p-Isopropyltoluene	3	/	9	0.33	2.90E+00	--	3.63E-01	0	2.90E+00	3.63E-01	0	0	0	0	0	0	2.4E-1	3.0E-2	0	0	3.9E-2	4.9E-3	3.2E-2	4.1E-3	4.0E-2	4.9E-3
135-98-8	B109137	VOC	sec-Butylbenzene	2	/	9	0.22	2.10E+00	--	2.71E-01	0	2.10E+00	2.71E-01	0	0	0	0	0	0	1.7E-1	2.2E-2	0	0	2.8E-2	3.6E-3	2.4E-2	3.0E-3	2.9E-2	3.7E-3
98-06-6	B109137	VOC	tert-Butylbenzene	1	/	9	0.11	7.10E-01	--	8.65E-02	0	7.10E-01	8.65E-02	0	0	0	0	0	0	5.9E-2	7.2E-3	0	0	9.6E-3	1.2E-3	8.0E-3	9.7E-4	9.7E-3	1.2E-3
108-88-3	B109137	VOC	Toluene	3	/	9	0.33	1.80E-01	--	2.79E-02	0	1.80E-01	2.79E-02	0	0	0	0	0	0	1.5E-2	2.3E-3	0	0	2.4E-3	3.8E-4	2.0E-3	3.1E-4	2.5E-3	3.8E-4
1330-20-7	B109137	VOC	Xylenes (total)	2	/	9	0.22	7.60E+00	--	1.03E+00	0	7.60E+00	1.03E+00	0	0	0	0	0	0	6.3E-1	8.5E-2	0	0	1.0E-1	1.4E-2	8.5E-2	1.1E-2	1.0E-1	1.4E-2
7429-90-5	B110111112	INORG	Aluminum	7	/	7	1.00	4.77E+04	4.39E+04	4.00E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B110111112	INORG	Arsenic	1	/	7	0.14	6.04E+00	--	2.35E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B110111112	INORG	Barium	7	/	7	1.00	2.07E+02	--	1.39E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B110111112	INORG	Beryllium	7	/	7	1.00	2.02E+00	--	1.35E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B110111112	INORG	Boron	4	/	7	0.57	1.52E+01	1.45E+01	9.32E+00	8.22E+00	6.98E+00	6.27E+00	0	0	0	0	0	0	5.8E-1	5.2E-1	0	0	9.4E-2	8.4E-2	7.8E-2	7.0E-2	9.5E-2	8.5E-2

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Terrestrial Plants (mg/kg ww) Max	Terrestrial Plants (mg/kg ww) Avg or UCL	Terrestrial Inverts (mg/kg ww) Max	Terrestrial Inverts (mg/kg ww) Avg or UCL	Prey Mammals (mg/kg ww) Max	Prey Mammals (mg/kg ww) Avg or UCL	American Robin TDI (mg/kg-bw/d) Max	American Robin TDI (mg/kg-bw/d) Avg or UCL	Screech Owl TDI (mg/kg-bw/d) Max	Screech Owl TDI (mg/kg-bw/d) Avg or UCL	Deer Mouse TDI (mg/kg-bw/d) Max	Deer Mouse TDI (mg/kg-bw/d) Avg or UCL	Terrestrial Mink TDI (mg/kg-bw/d) Max	Terrestrial Mink TDI (mg/kg-bw/d) Avg or UCL	Short-Tailed Shrew TDI (mg/kg-bw/d) Max	Short-Tailed Shrew TDI (mg/kg-bw/d) Avg or UCL
7440-43-9	B110111112	INORG	Cadmium	4 / 7	0.57	3.17E+00	2.21E+00	1.12E+00	3.08E+00	9.15E-02	0 <BKG	2.5E-2	0	2.0E-1	0	2.9E-2	0	1.2E-1	0	9.6E-3	0	7.6E-2	0	2.8E-2	0	8.5E-2	0
7440-47-3	B110111112	INORG	Chromium	7 / 7	1.00	1.15E+02	9.28E+01	5.49E+01	6.03E+01	5.47E+01	3.25E+01	3.4E-1	2.0E-1	2.7E+0	1.6E+0	1.4E+0	9.6E-1	6.1E+0	3.6E+0	4.6E-1	3.1E-1	1.7E+0	1.0E+0	1.1E+0	7.0E-1	2.0E+0	1.2E+0
7440-48-4	B110111112	INORG	Cobalt	7 / 7	1.00	2.44E+01	2.00E+01	1.63E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B110111112	INORG	Copper	7 / 7	1.00	1.39E+02	1.14E+02	4.56E+01	5.28E+01	8.62E+01	6.15E+01	1.7E+0	1.5E+0	7.1E+0	5.1E+0	4.7E+0	4.5E+0	1.1E+1	8.3E+0	1.5E+0	1.5E+0	4.1E+0	3.0E+0	2.6E+0	2.0E+0	4.6E+0	3.4E+0
7439-92-1	B110111112	INORG	Lead	7 / 7	1.00	1.81E+01	1.37E+01	1.10E+01	1.28E+01	5.31E+00	9.06E-01	1.0E-1	3.8E-2	4.9E-1	1.2E-1	7.2E-1	3.3E-1	7.4E-1	1.5E-1	2.4E-1	1.1E-1	2.7E-1	6.5E-2	2.4E-1	7.9E-2	3.6E-1	9.9E-2
7439-93-2	B110111112	INORG	Lithium	7 / 7	1.00	1.35E+01	1.04E+01	8.47E+00	1.21E+01	1.38E+00	0 <BKG	0	0	0	0	0	0	1.1E-1	0	0	0	1.9E-2	0	1.5E-2	0	1.9E-2	0
7439-96-5	B110111112	INORG	Manganese	7 / 7	1.00	1.14E+03	8.44E+02	5.83E+02	1.13E+03	1.29E+01	0 <BKG	1.5E-1	0	4.1E-1	0	8.4E-2	0	1.3E+0	0	2.7E-2	0	3.6E-1	0	2.0E-1	0	3.5E-1	0
7439-97-6	B110111112	INORG	Mercury	7 / 7	1.00	5.41E-02	--	3.56E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B110111112	INORG	Molybdenum	1 / 7	0.14	7.24E-01	--	3.41E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B110111112	INORG	Nickel	7 / 7	1.00	2.76E+01	--	2.05E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B110111112	INORG	Silver	2 / 7	0.29	1.47E+00	--	5.34E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B110111112	INORG	Strontium	7 / 7	1.00	1.68E+01	--	1.09E+01	1.59E+01	8.82E-01	0 <BKG	0	0	0	0	0	0	7.3E-2	0	0	0	1.2E-2	0	9.9E-3	0	1.2E-2	0
7440-28-0	B110111112	INORG	Thallium	4 / 7	0.57	5.85E+00	5.18E+00	4.33E+00	4.10E+00	1.75E+00	1.08E+00	0	0	0	0	0	0	1.5E-1	8.9E-2	0	0	2.4E-2	1.5E-2	2.0E-2	1.2E-2	2.4E-2	1.5E-2
7440-32-6	B110111112	INORG	Titanium	7 / 7	1.00	1.58E+03	1.47E+03	1.35E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B110111112	INORG	Vanadium	7 / 7	1.00	9.43E+01	7.69E+01	6.49E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B110111112	INORG	Zinc	7 / 7	1.00	9.97E+01	7.75E+01	5.98E+01	8.96E+01	1.02E+01	0 <BKG	2.6E+0	0	2.9E+1	0	3.0E+1	0	1.7E+1	0	9.6E+0	0	1.1E+1	0	8.4E+0	0	1.5E+1	0
86-57-7	B110111112	Nitroaromatics	1-Nitronaphthalene	2 / 7	0.29	3.20E+00	--	6.23E-01	0	3.20E+00	6.23E-01	0	0	0	0	0	0	2.7E-1	5.2E-2	0	0	4.3E-2	8.4E-3	3.6E-2	7.0E-3	4.4E-2	8.5E-3
118-96-7	B110111112	Nitroaromatics	2,4,6-Trinitrotoluene	1 / 7	0.14	9.70E-01	--	1.93E-01	0	9.70E-01	1.93E-01	6.2E-1	1.2E-1	2.3E-1	4.5E-2	0	0	3.8E-1	7.6E-2	0	0	3.0E-1	5.9E-2	3.6E-2	7.2E-3	1.4E-1	2.7E-2
2691-41-0	B110111112	Nitroaromatics	HMX	1 / 7	0.14	6.30E-01	--	2.27E-01	0	6.30E-01	2.27E-01	0	0	0	0	0	0	5.2E-2	1.9E-2	0	0	8.5E-3	3.1E-3	7.1E-3	2.5E-3	8.6E-3	3.1E-3
319-85-7	B110111112	PEST	beta-BHC	1 / 5	0.20	5.40E-03	--	1.56E-03	0	5.40E-03	1.56E-03	2.0E-4	5.9E-5	1.2E-3	3.5E-4	5.8E-3	1.7E-3	1.2E-3	3.3E-4	1.9E-3	5.5E-4	5.5E-4	1.6E-4	1.2E-3	3.4E-4	1.2E-3	3.6E-4
319-86-8	B110111112	PEST	delta-BHC	1 / 5	0.20	7.00E-04	--	3.78E-04	0	7.00E-04	3.78E-04	0	0	0	0	0	0	5.8E-5	3.1E-5	0	0	9.4E-6	5.1E-6	7.8E-6	4.2E-6	9.5E-6	5.1E-6
115-29-7	B110111112	PEST	Endosulfan	4 / 5	0.80	3.60E-03	--	1.16E-03	0	3.60E-03	1.16E-03	1.9E-4	6.0E-5	8.1E-4	2.6E-4	3.9E-3	1.3E-3	7.9E-4	2.5E-4	1.3E-3	4.1E-4	3.8E-4	1.2E-4	7.9E-4	2.5E-4	8.2E-4	2.6E-4
7421-93-4	B110111112	PEST	Endrin aldehyde	1 / 5	0.20	7.40E-04	--	3.10E-04	0	7.40E-04	3.10E-04	0	0	0	0	0	0	6.1E-5	2.6E-5	0	0	1.0E-5	4.2E-6	8.3E-6	3.5E-6	1.0E-5	4.2E-6
1024-57-3	B110111112	PEST	Heptachlor epoxide	2 / 5	0.40	4.20E-04	--	2.12E-04	0	4.20E-04	2.12E-04	1.8E-6	9.3E-7	9.4E-5	4.7E-5	4.5E-4	2.3E-4	8.6E-5	4.3E-5	1.5E-4	7.5E-5	3.8E-5	1.9E-5	9.2E-5	4.6E-5	9.5E-5	4.8E-5
58-89-9	B110111112	PEST	Lindane	3 / 5	0.60	3.40E-04	3.03E-04	2.02E-04	0	3.40E-04	3.03E-04	1.4E-5	1.2E-5	7.6E-5	6.8E-5	3.7E-4	3.3E-4	7.3E-5	6.5E-5	1.2E-4	1.1E-4	3.5E-5	3.1E-5	7.4E-5	6.6E-5	7.7E-5	6.9E-5
72-43-5	B110111112	PEST	Methoxychlor	1 / 5	0.20	2.25E-03	--	1.34E-03	0	2.25E-03	1.34E-03	2.6E-5	1.5E-5	5.0E-4	3.0E-4	2.4E-3	1.4E-3	4.7E-4	2.8E-4	7.9E-4	4.7E-4	2.1E-4	1.2E-4	4.9E-4	2.9E-4	5.1E-4	3.0E-4
92-52-4	B110111112	SVOC	1,1'-Biphenyl	1 / 7	0.14	5.30E-02	--	2.58E-02	0	5.30E-02	2.58E-02	0	0	0	0	0	0	4.4E-3	2.1E-3	0	0	7.1E-4	3.5E-4	5.9E-4	2.9E-4	7.2E-4	3.5E-4
90-12-0	B110111112	SVOC	1-Methylnaphthalene	1 / 7	0.14	7.40E-02	--	2.88E-02	0	7.40E-02	2.88E-02	0	0	0	0	0	0	6.1E-3	2.4E-3	0	0	1.0E-3	3.9E-4	8.3E-4	3.2E-4	1.0E-3	3.9E-4
91-57-6	B110111112	SVOC	2-Methyl naphthalene	1 / 7	0.14	1.20E-01	--	3.54E-02	0	1.20E-01	3.54E-02	0	0	0	0	0	0	9.9E-3	2.9E-3	0	0	1.6E-3	4.8E-4	1.3E-3	4.0E-4	1.6E-3	4.8E-4
83-32-9	B110111112	SVOC	Acenaphthene	1 / 7	0.14	7.30E-01	--	1.23E-01	0	7.30E-01	1.23E-01	0	0	0	0	0	0	6.0E-2	1.0E-2	0	0	9.8E-3	1.6E-3	8.2E-3	1.4E-3	9.9E-3	1.7E-3
120-12-7	B110111112	SVOC	Anthracene	1 / 7	0.14	1.20E+00	--	1.90E-01	0	1.20E+00	1.90E-01	0	0	0	0	0	0	9.9E-2	1.6E-2	0	0	1.6E-2	2.6E-3	1.3E-2	2.1E-3	1.6E-2	2.6E-3
56-55-3	B110111112	SVOC	Benzo(a)anthracene	2 / 7	0.29	1.70E+00	--	2.64E-01	0	1.70E+00	2.64E-01	0	0	0	0	0	0	1.4E-1	2.2E-2	0	0	2.3E-2	3.5E-3	1.9E-2	3.0E-3	2.3E-2	3.6E-3
50-32-8	B110111112	SVOC	Benzo(a)pyrene	2 / 7	0.29	1.40E+00	--	2.20E-01	0	1.40E+00	2.20E-01	0	0	0	0	0	0	1.2E-1	1.8E-2	0	0	1.9E-2	3.0E-3	1.6E-2	2.5E-3	1.9E-2	3.0E-3
205-99-2	B110111112	SVOC	Benzo(b)fluoranthene	2 / 7	0.29	1.70E+00	--	2.65E-01	0	1.70E+00	2.65E-01	0	0	0	0	0	0	1.4E-1	2.2E-2	0	0	2.3E-2	3.6E-3	1.9E-2	3.0E-3	2.3E-2	3.6E-3
191-24-2	B110111112	SVOC	Benzo(g,h,i)perylene	1 / 7	0.14	8.50E-01	--	1.40E-01	0	8.50E-01	1.40E-01	0	0	0	0	0	0	7.0E-2	1.2E-2	0	0	1.1E-2	1.9E-3	9.5E-3	1.6E-3	1.2E-2	1.9E-3
207-08-9	B110111112	SVOC	Benzo(k)fluoranthene	1 / 7	0.14	7.70E-01	--	1.28E-01	0	7.70E-01	1.28E-01	0	0	0	0	0	0	6.4E-2	1.1E-2	0	0	1.0E-2	1.7E-3	8.6E-3	1.4E-3	1.0E-2	1.7E-3
117-81-7	B110111112	SVOC	bis (2-Ethylhexyl) phthala	1 / 7	0.14	1.10E-01	--	5.28E-02	0	1.10E-01	5.28E-02	0	0	0	0	0	0	9.1E-3	4.4E-3	0	0	1.5E-3	7.1E-4	1.2E-3	5.9E-4	1.5E-3	7.2E-4
86-74-8	B110111112	SVOC	Carbazole	1 / 7	0.14	5.60E-01	--	9.83E-02	0	5.60E-01	9.83E-02	0	0	0	0	0	0	4.6E-2	8.1E-3	0	0	7.5E-3	1.3E-3	6.3E-3	1.1E-3	7.6E-3	1.3E-3
218-01-9	B110111112	SVOC	Chrysene	2 / 7	0.29	1.60E+00	--	2.49E-01	0	1.60E+00	2.49E-01	0	0	0	0	0	0	1.3E-1	2.1E-2	0	0	2.2E-2	3.4E-3	1.8E-2	2.8E-3	2.2E-2	3.4E-3
53-70-3	B110111112	SVOC	Dibenzo(a,h)anthracene	1 / 7	0.14	1.60E-01	--	4.11E-02	0	1.60E-01	4.11E-02	0	0	0	0	0	0	1.3E-2	3.4E-3	0	0	2.2E-3	5.5E-4	1.8E-3	4.6E-4	2.2E-3	5.6E-4
132-64-9	B110111112	SVOC	Dibenzofuran	1 / 7	0.14	4.60E-01	--	8.40E-02	0	4.60E-01	8.40E-02	0	0	0	0	0	0	3.8E-2	7.0E-3	0	0	6.2E-3	1.1E-3	5.2E-3	9.4E-4	6.3E-3	1.1E-3
206-44-0	B110111112	SVOC	Fluoranthene	2 / 7	0.29	3.90E+00	--	5.80E-01	0	3.90E+00	5.80E-01	0	0	0	0	0	0	3.2E-1	4.8E-2	0	0	5.2E-2	7.8E-3	4.4E-2	6.5E-3	5.3E-2	7.9E-3
86-73-7	B110111112	SVOC	Fluorene	1 / 7	0.14	7.20E-01	--	1.21E-01	0	7.20E-01	1.21E-01	0	0	0	0	0	0	6.0E-2	1.0E-2	0	0	9.7E-3	1.6E-3	8.1E-3	1.4E-3	9.8E-3	1.7E-3
193-39-5	B110111112	SVOC	Indeno(1,2,3-c,d)pyrene	1 / 7	0.14	8.00E-01	--	1.33E-01	0	8.00E-01	1.33E-01	0	0	0	0	0	0	6.6E-2	1.1E-2	0	0	1.1E-2	1.8E-3	9.0E-3	1.5E-3	1.1E-2	1.8E-3
130498-29-2H	B110111112	SVOC	PAHs (High MW)	1 / 7	0.14	1.62E+01	--	2.33E+00	0	16	2	3.8E-1	6.1E-2	6.7E+0	9.7E-1	0	0	5.1E+0	7.3E-1	0	0	2.6E+0	3.8E-1	9.4E-1	1.3E-1	2.9E+0	4.2E-1
130498-29-2L	B110111112	SVOC	PAHs (Low MW)	1 / 14	0.07	7.26E+00	--	5.28E-01	0	7.26E+00	5.28E-01	9.9E-2	3.0E-2	3.5E+0	2.6E-1	0	0	2.5E+0	1.9E-1	0	0	1.3E+0	1.0E-1	4.8E-1	3.5E-2	1.5E+0	1.1E-1
130498-29-2	B110111112	SVOC	PAHs (total)	1 / 14	0.07	2.34E+01	--	1.68E+00	0	2.34E+01	1.68E+00	0	0	0	0	0	0	1.9E+0	1.4E-1	0	0	3.2E-1	2.3E-2	2.6E-1	1.9E-2	3.2E-1	2.3E-2
85-01-8	B110111112	SVOC	Phenanthrene	2 / 7	0.29	4.40E+00	--	6.49E-01	0	4.40E+00	6.49E-01	0	0	0	0	0	0	3.6E-1	5.4E-2	0	0	5.9E-2	8.7E-3	4.9E-2	7.3E-3	6.0E-2	8.8E-3
129-00-0	B110111112	SVOC	Pyrene	2 / 7	0.29	3.30E+00	--	4.93E-01	0	3.30E+00	4.93E-01	0	0	0	0	0	0	2.7E-1	4.1E-2	0	0	4.4E-2	6.6E-3	3.7E-2	5.5E-3	4.5E-2	6.7E-3
75-09-2	B110111112	VOC	Methylene chloride	2 / 7	0.29	1.40E-02	--	3.32E-03	0	1.40E-02	3.32E-03	0	0	0	0	0	0	1.2E-3	2.8E-4	0	0	1.9E-4	4.5E-5	1.6E-4	3.7E-5	1.9E-4	4.5E-5
108-88-3	B110111112	VOC	Toluene	4 / 7	0.57	2.00E-03	--	1.36E-03	0	2.00E-03	1.36E-03	0	0	0	0	0	0	1.7E-4	1.1E-4	0	0	2.7E-5	1.8E-5	2.2E-5	1.5E-5	2.7E-5	1.8E-5
7429-90-5	B113	INORG	Aluminum	11 / 11	1.00	4.44E+04	3.60E+04	3.12E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B113	INORG	Antimony	3 / 11	0.27	1.98E+00	1.72E+00	1.34E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B113	INORG	Arsenic	8 / 11	0.73	6.99E+00	--	3.12E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B113	INORG	Barium	11 / 11	1.00	1.61E+02	--	1.01E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B113	INORG	Beryllium	6 / 11	0.55	2.96E+00	--	9.13E-01	2.05E+00	9.08E-01	0 <BKG	8.7E-2	0	6.5E-3	0	3.3E-5	0	1.0E-1	0	1.1E-5	0	4.4E-2	0	1.1E-2	0	2.0E-2	0
7440-42-8	B113	INORG	Boron	9 / 11	0.82	2.31E+01	1.40E+01	1.01E+01	8.22E+00	1.48E+01	5.81E+00	0	0	0	0	0	0	1.2E+0	4.8E-1	0	0	2.0E-1	7.8E-2	1.7E-1	6.5E-2	2.0E-1	7.9E-2
7440-43-9	B113	INORG	Cadmium	7 / 11	0.64	1.89E+00	1.17E+00	8.52E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B113	INORG	Chromium	11 / 11	1.00	1.36E+02	8.01E+01	6.20E+01	6.03E+01	7.57E+01	1.97E+01	4.7E-1	1.2E-1	3.7E+0	9.7E-1	1.8E+0	6.6E-1	8.4E+0	2.2E+0	5.8E-1	2.2E-1	2.4E+0	6.3E-1	1.6E+0	4.4E-1	2.7E+0	7.3E-1
7440-48-4	B113	INORG	Cobalt	11 / 11	1.00	5.50E+01	2.80E+01	1.55E+01	2.73E+01	2.77E+01	6.63E-01	3.1E-2	7.5E-4	5.4E-1	1.3E-2	2.8E-1	2.1E-3	2.6E+0	6.2E-2	9.2E-2	7.0E-4	5.7E-1	1.4E-2	4.2E-1	9.2E-3	6.3E-1	1.4E-2
7440-50-8	B113	INORG	Copper	11 / 11	1.00	1.09E+02	6.81E+01	5.12E+01	5.28E+01	5.62E+01	1.53E+01	1.4E+0	8.6E-1	4.6E+0	1.3E+0	4.4E+0	3.7E+0	7.6E+0	2.2E+0	1.4E+0	1.2E+0	2.8E+0	9.2E-1	1.9E+0	9.3E-1	3.2E+0	1.2E+0
57-12-5	B113	INORG	Cyanide	1 / 11	0.09	2.70E-01	--	1.20E-01	0	2.70E-01	1.20E-01	0	0	0	0	0	0	2.2E-2	9.9E-3	0	0	3.6E-3	1.6E-3	3.0E-3	1.3E-3	3.7E-3	1.6E-3
7439-92-1	B113	INORG	Lead	11 / 11	1.00	7.96E+01	4.89E+01	2.21E+01	1.28E+01	6.68E+01	3.61E+01	4.2E-1	3.0E-1	3.8E+0	2.3E+0	2.2E+0	1.7E+0	7.7E+0	4.3E+0	7.2E-1	5.5E-1	2.3E+0	1.4E+0	1.5E+0	9.5E-1	2.7E+0	1.6E+0
7439-93-2	B113	INORG	Lithium	11 / 11	1.00	1.69E+01	1.03E+01	8.11E+00	1.21E+01	4.73E+00	0 <BKG	0	0	0	0	0	0	3.9E-1	0	0	0	6.4E-2	0	5.3E-2	0	6.4E-2	0
7439-96-5	B113	INORG	Manganese	11 / 11	1.00	1.40E+03	5.68E+02	3.51E+02	1.13E+03	2.73E+02	0 <BKG	3.2E+0	0	3.3E+0	0	1.8E+0	0	2.5E+1	0	5.8E-1	0	5.9E+0	0	3.7E+0	0	5.4E+0	0
7439-97-6	B113	INORG	Mercury	8 / 11	0.73	7.22E-02	--	4.01E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B113	INORG	Molybdenum	3 / 11	0.27	9.16E-01	--	4.96E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B113	INORG	Nickel	11 / 11	1.00	3.59E+01	--	2.21E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B113	INORG	Perchlorate	1 / 11	0.09	2.70E-03	--	1.40E-03	0	2.70E-03	1.40E-03	0	0	0	0	0	0	2.2E-4	1.2E-4	0	0	3.6E-5	1.9E-5	3.0E-5	1.6E-5	3.7E-5	1.9E-5
7440-22-4	B113	INORG	Silver	6 / 11	0.55	3.64E-01	--	3.30E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B113	INORG	Strontium	11 / 11	1.00	2.55E+01	--	1.13E+01	1.59E+01	9.58E+00	0 <BKG	0	0	0	0	0	0	7.9E-1	0	0	0	1.3E-1	0	1.1E-1	0	1.3E-1	0
7440-28-0	B113	INORG	Thallium	6 / 11	0.55	4.63E+00	3.61E+00	5.64E+00	4.10E+00	5.32E-01	0 <BKG	0	0	0	0	0	0	4.4E-2	0	0	0	7.2E-3	0	6.0E-3	0	7.2E-3	0
7440-32-6	B113	INORG	Titanium	11 / 11	1.00	2.73E+03	1.79E+03	1.51E+03	2.31E+03	4.21E+02	0 <BKG	0	0	0	0	0	0	3.5E+1	0	0	0	5.7E+0	0	4.7E+0	0	5.7E+0	0
7440-62-2	B113	INORG	Vanadium	11 / 11	1.00	7.59E+01	5.95E+01	5.03E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B113	INORG	Zinc	11 / 11	1.00	9.36E+02	5.15E+02	2.73E+02	8.96E+01	8.46E+02	4.25E+02	3.0E+1	2.1E+1	1.2E+2	1.0E+2	4.0E+1	3.9E+1	1.5E+2	9.5E+1	1.3E+1	1.3E+1	6.4E+1	4.6E+1	3.0E+1	2.2E+1	6.7E+1	5.1E+1
121-82-4	B113	Nitroaromatics	RDX	1 / 11	0.09	2.70E-01	--	1.22E-01	0	2.70E-01	1.22E-01	1.7E-2	7.9E-3	1.6E-2	7.2E-3	0	0	3.6E-2	1.6E-2	0	0	1.5E-2	6.7E-3	4.8E-3	2.2E-3	1.1E-2	5.0E-3
309-00-2	B113	PEST	Aldrin	3 / 3	1.00	3.20E-01	--	1.36E-01	0	3.20E-01	1.36E-01	3.3E-4	1.4E-4	7.2E-2	3.1E-2	3.5E-1	1.5E-1	6.5E-2	2.8E-2	1.1E-1	4.8E-2	2.9E-2	1.2E-2	7.0E-2	3.0E-2	7.2E-2	3.1E-2
115-29-7	B113	PEST	Endosulfan	1 / 3	0.33	8.55E-03	--	8.12E-02	0	8.55E-03	8.12E-02	4.4E-4	4.2E-3	1.9E-3	1.8E-2	9.3E-3	8.8E-2	1.9E-3	1.8E-2	3.0E-3	2.9E-2	9.1E-4	8.6E-3	1.9E-3	1.8E-2	2.0E-3	1.9E-2
1031-07-8	B113	PEST	Endosulfan sulfate	1 / 3	0.33	5.30E-04	--	1.38E-02	0	5.30E-04	1.38E-02	0	0	0	0	0	0	4.4E-5	1.1E-3	0	0	7.1E-6	1.9E-4	5.9E-6	1.6E-4	7.2E-6	1.9E-4
72-20-8	B113	PEST	Endrin	1 / 3	0.33	4.50E-04	--	1.38E-02	0	4.50E-04	1.38E-02	1.5E-6	4.7E-5	1.0E-4	3.1E-3	4.9E-4	1.5E-2	9.2E-5	2.8E-3	1.6E-4	4.9E-3	4.0E-5	1.2E-3	9.8E-5	3.0E-3	1.0E-4	3.1E-3
7421-93-4	B113	PEST	Endrin aldehyde	2 / 3	0.67	5.70E-01	--	1.97E-01	0	5.70E-01	1.97E-01	0	0	0	0	0	0	4.7E-2	1.6E-2	0	0	7.7E-3	2.7E-3	6.4E-3	2.2E-3	7.8E-3	2.7E-3
58-89-9	B113	PEST	Lindane	1 / 3	0.33	9.85E-04	--	7.50E-03	0	9.85E-04	7.50E-03	4.0E-5	3.1E-4	2.2E-4	1.7E-3	1.1E-3	8.1E-3	2.1E-4	1.6E-3	3.5E-4	2.6E-3	1.0E-4	7.7E-4	2.1E-4	1.6E-3	2.2E-4	1.7E-3
72-43-5	B113	PEST	Methoxychlor	1 / 3	0.33	1.34E-02	--	7.61E-02	0	1.34E-02	7.61E-02	1.5E-4	8.7E-4	3.0E-3	1.7E-2	1.4E-2	8.2E-2	2.8E-3	1.6E-2	4.7E-3	2.7E-2	1.2E-3	7.1E-3	2.9E-3	1.7E-2	3.0E-3	1.7E-2
122-66-7	B113	SVOC	1,2-Diphenylhydrazine	1 / 11	0.09	2.50E-01	--	4.10E-02	0	2.50E-01	4.10E-02	0	0	0	0	0	0	2.1E-2	3.4E-3	0	0	3.4E-3	5.5E-4	2.8E-3	4.6E-4	3.4E-3	5.6E-4

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
59-50-7	B113	SVOC	4-Chloro-3-methylphenol	2	/	11	0.18	2.20E+00	--	3.42E-01	0	2.20E+00	3.42E-01	0	0	0	0	0	0	1.8E-1	2.8E-2	0	0	3.0E-2	4.6E-3	2.5E-2	3.8E-3	3.0E-2	4.7E-3
83-32-9	B113	SVOC	Acenaphthene	2	/	11	0.18	1.20E-01	--	3.09E-02	0	1.20E-01	3.09E-02	0	0	0	0	0	0	9.9E-3	2.6E-3	0	0	1.6E-3	4.2E-4	1.3E-3	3.5E-4	1.6E-3	4.2E-4
62-53-3	B113	SVOC	Aniline	1	/	11	0.09	2.00E+00	--	2.73E-01	0	2.00E+00	2.73E-01	0	0	0	0	0	0	1.7E-1	2.3E-2	0	0	2.7E-2	3.7E-3	2.2E-2	3.1E-3	2.7E-2	3.7E-3
120-12-7	B113	SVOC	Anthracene	1	/	11	0.09	9.10E-02	--	2.64E-02	0	9.10E-02	2.64E-02	0	0	0	0	0	0	7.5E-3	2.2E-3	0	0	1.2E-3	3.6E-4	1.0E-3	3.0E-4	1.2E-3	3.6E-4
56-55-3	B113	SVOC	Benzo(a)anthracene	5	/	11	0.45	2.30E-01	--	5.42E-02	0	2.30E-01	5.42E-02	0	0	0	0	0	0	1.9E-2	4.5E-3	0	0	3.1E-3	7.3E-4	2.6E-3	6.1E-4	3.1E-3	7.4E-4
50-32-8	B113	SVOC	Benzo(a)pyrene	5	/	11	0.45	2.40E-01	--	5.65E-02	0	2.40E-01	5.65E-02	0	0	0	0	0	0	2.0E-2	4.7E-3	0	0	3.2E-3	7.6E-4	2.7E-3	6.3E-4	3.3E-3	7.7E-4
205-99-2	B113	SVOC	Benzo(b)fluoranthene	5	/	11	0.45	2.60E-01	--	6.14E-02	0	2.60E-01	6.14E-02	0	0	0	0	0	0	2.2E-2	5.1E-3	0	0	3.5E-3	8.3E-4	2.9E-3	6.9E-4	3.5E-3	8.4E-4
191-24-2	B113	SVOC	Benzo(g,h,i)perylene	3	/	11	0.27	1.80E-01	--	4.43E-02	0	1.80E-01	4.43E-02	0	0	0	0	0	0	1.5E-2	3.7E-3	0	0	2.4E-3	6.0E-4	2.0E-3	5.0E-4	2.5E-3	6.0E-4
207-08-9	B113	SVOC	Benzo(k)fluoranthene	2	/	11	0.18	1.20E-01	--	3.05E-02	0	1.20E-01	3.05E-02	0	0	0	0	0	0	9.9E-3	2.5E-3	0	0	1.6E-3	4.1E-4	1.3E-3	3.4E-4	1.6E-3	4.2E-4
65-85-0	B113	SVOC	Benzoic acid	1	/	11	0.09	2.60E-01	--	1.14E-01	0	2.60E-01	1.14E-01	0	0	0	0	0	0	2.2E-2	9.4E-3	0	0	3.5E-3	1.5E-3	2.9E-3	1.3E-3	3.5E-3	1.6E-3
119-61-9	B113	SVOC	Benzophenone	1	/	11	0.09	1.10E-01	--	2.81E-02	0	1.10E-01	2.81E-02	0	0	0	0	0	0	9.1E-3	2.3E-3	0	0	1.5E-3	3.8E-4	1.2E-3	3.2E-4	1.5E-3	3.8E-4
117-81-7	B113	SVOC	bis (2-Ethylhexyl) phthalat	3	/	11	0.27	4.80E-01	--	9.23E-02	0	4.80E-01	9.23E-02	0	0	0	0	0	0	4.0E-2	7.6E-3	0	0	6.5E-3	1.2E-3	5.4E-3	1.0E-3	6.5E-3	1.3E-3
86-74-8	B113	SVOC	Carbazole	1	/	11	0.09	8.10E-02	--	2.55E-02	0	8.10E-02	2.55E-02	0	0	0	0	0	0	6.7E-3	2.1E-3	0	0	1.1E-3	3.4E-4	9.1E-4	2.9E-4	1.1E-3	3.5E-4
218-01-9	B113	SVOC	Chrysene	5	/	11	0.45	2.90E-01	--	6.44E-02	0	2.90E-01	6.44E-02	0	0	0	0	0	0	2.4E-2	5.3E-3	0	0	3.9E-3	8.7E-4	3.2E-3	7.2E-4	4.0E-3	8.8E-4
2698-41-1	B113	SVOC	CS (ortho-Chlorobenzylid	2	/	11	0.18	4.80E-01	--	1.47E-01	0	4.80E-01	1.47E-01	0	0	0	0	0	0	4.0E-2	1.2E-2	0	0	6.5E-3	2.0E-3	5.4E-3	1.6E-3	6.5E-3	2.0E-3
132-64-9	B113	SVOC	Dibenzofuran	1	/	11	0.09	5.10E-02	--	2.28E-02	0	5.10E-02	2.28E-02	0	0	0	0	0	0	4.2E-3	1.9E-3	0	0	6.9E-4	3.1E-4	5.7E-4	2.6E-4	6.9E-4	3.1E-4
206-44-0	B113	SVOC	Fluoranthene	5	/	11	0.45	3.50E-01	--	7.91E-02	0	3.50E-01	7.91E-02	0	0	0	0	0	0	2.9E-2	6.6E-3	0	0	4.7E-3	1.1E-3	3.9E-3	8.9E-4	4.8E-3	1.1E-3
86-73-7	B113	SVOC	Fluorene	1	/	11	0.09	5.90E-02	--	2.35E-02	0	5.90E-02	2.35E-02	0	0	0	0	0	0	4.9E-3	1.9E-3	0	0	7.9E-4	3.2E-4	6.6E-4	2.6E-4	8.0E-4	3.2E-4
193-39-5	B113	SVOC	Indeno(1,2,3-c,d)pyrene	2	/	11	0.18	1.50E-01	--	3.75E-02	0	1.50E-01	3.75E-02	0	0	0	0	0	0	1.2E-2	3.1E-3	0	0	2.0E-3	5.0E-4	1.7E-3	4.2E-4	2.0E-3	5.1E-4
89-98-5	B113	SVOC	ortho-Chlorobenzaldehyd	5	/	11	0.45	2.20E+00	--	3.25E-01	0	2.20E+00	3.25E-01	0	0	0	0	0	0	1.8E-1	2.7E-2	0	0	3.0E-2	4.4E-3	2.5E-2	3.6E-3	3.0E-2	4.4E-3
130498-29-2H	B113	SVOC	PAHs (High MW)	5	/	11	0.45	2.20E+00	9.30E-01	4.22E-01	0	2	1	5.8E-2	2.6E-2	9.2E-1	3.9E-1	0	0	6.9E-1	2.9E-1	0	0	3.6E-1	1.5E-1	1.3E-1	5.4E-2	4.0E-1	1.7E-1
130498-29-2L	B113	SVOC	PAHs (Low MW)	4	/	23	0.17	6.35E-01	--	6.49E-02	0	6.35E-01	6.49E-02	3.3E-2	1.2E-2	3.1E-1	3.2E-2	0	0	2.3E-1	2.6E-2	0	0	1.2E-1	1.5E-2	4.2E-2	4.3E-3	1.3E-1	1.4E-2
130498-29-2	B113	SVOC	PAHs (total)	5	/	23	0.22	2.84E+00	8.47E-01	2.67E-01	0	2.84E+00	8.47E-01	0	0	0	0	0	0	2.3E-1	7.0E-2	0	0	3.8E-2	1.1E-2	3.2E-2	9.5E-3	3.9E-2	1.2E-2
85-01-8	B113	SVOC	Phenanthrene	5	/	11	0.45	3.00E-01	--	6.93E-02	0	3.00E-01	6.93E-02	0	0	0	0	0	0	2.5E-2	5.7E-3	0	0	4.0E-3	9.3E-4	3.4E-3	7.8E-4	4.1E-3	9.4E-4
108-95-2	B113	SVOC	Phenol	6	/	11	0.55	1.50E+00	6.21E-01	3.33E-01	0	1.50E+00	6.21E-01	1.2E+0	5.2E-1	2.7E-1	1.1E-1	0	0	6.3E-1	2.6E-1	0	0	5.3E-1	2.2E-1	4.7E-2	1.9E-2	2.0E-1	8.2E-2
129-00-0	B113	SVOC	Pyrene	5	/	11	0.45	3.60E-01	--	7.97E-02	0	3.60E-01	7.97E-02	0	0	0	0	0	0	3.0E-2	6.6E-3	0	0	4.8E-3	1.1E-3	4.0E-3	8.9E-4	4.9E-3	1.1E-3
107-06-2	B113	VOC	1,2-Dichloroethane	1	/	12	0.08	4.00E-03	--	3.46E-03	0	4.00E-03	3.46E-03	0	0	0	0	0	0	3.3E-4	2.9E-4	0	0	5.4E-5	4.7E-5	4.5E-5	3.9E-5	5.4E-5	4.7E-5
67-64-1	B113	VOC	Acetone	2	/	12	0.17	2.90E-02	--	2.64E-02	0	2.90E-02	2.64E-02	0	0	0	0	0	0	2.4E-3	2.2E-3	0	0	3.9E-4	3.5E-4	3.2E-4	3.0E-4	4.0E-4	3.6E-4
71-43-2	B113	VOC	Benzene	1	/	12	0.08	1.00E-03	--	1.65E-03	0	1.00E-03	1.65E-03	0	0	0	0	0	0	8.3E-5	1.4E-4	0	0	1.3E-5	2.2E-5	1.1E-5	1.8E-5	1.4E-5	2.2E-5
156-59-2	B113	VOC	cis-1,2-Dichloroethene	1	/	12	0.08	6.00E-02	--	8.13E-03	0	6.00E-02	8.13E-03	2.9E-2	4.0E-3	2.3E-2	3.1E-3	0	0	2.6E-2	3.5E-3	0	0	1.8E-2	2.5E-3	3.2E-3	4.4E-4	1.2E-2	1.6E-3
110-82-7	B113	VOC	Cyclohexane	2	/	12	0.17	1.50E-01	1.80E-01	1.58E-02	0	1.50E-01	1.58E-02	0	0	0	0	0	0	1.2E-2	1.3E-3	0	0	2.0E-3	2.1E-4	1.7E-3	1.8E-4	2.0E-3	2.1E-4
98-82-8	B113	VOC	Isopropylbenzene	1	/	12	0.08	7.20E-02	--	6.63E-03	0	7.20E-02	6.63E-03	0	0	0	0	0	0	6.0E-3	5.5E-4	0	0	9.7E-4	8.9E-5	8.1E-4	7.4E-5	9.8E-4	9.0E-5
75-09-2	B113	VOC	Methylene chloride	1	/	12	0.08	9.00E-03	--	6.94E-03	0	9.00E-03	6.94E-03	0	0	0	0	0	0	7.5E-4	5.7E-4	0	0	1.2E-4	9.3E-5	1.0E-4	7.8E-5	1.2E-4	9.5E-5
75-65-0	B113	VOC	t-Butyl alcohol	2	/	12	0.17	1.40E-01	--	7.62E-02	0	1.40E-01	7.62E-02	0	0	0	0	0	0	1.2E-2	6.3E-3	0	0	1.9E-3	1.0E-3	1.6E-3	8.5E-4	1.9E-3	1.0E-3
127-18-4	B113	VOC	Tetrachloroethylene	6	/	12	0.50	2.70E-01	2.58E-01	2.95E-02	0	2.70E-01	2.58E-01	0	0	0	0	0	0	2.2E-2	2.1E-2	0	0	3.6E-3	3.5E-3	3.0E-3	2.9E-3	3.7E-3	3.5E-3
108-88-3	B113	VOC	Toluene	2	/	12	0.17	4.00E-03	--	3.54E-03	0	4.00E-03	3.54E-03	0	0	0	0	0	0	3.3E-4	2.9E-4	0	0	5.4E-5	4.8E-5	4.5E-5	4.0E-5	5.4E-5	4.8E-5
156-60-5	B113	VOC	trans-1,2-Dichloroethene	1	/	12	0.08	1.70E-02	--	4.54E-03	0	1.70E-02	4.54E-03	0	0	0	0	0	0	1.4E-3	3.8E-4	0	0	2.3E-4	6.1E-5	1.9E-4	5.1E-5	2.3E-4	6.2E-5
79-01-6	B113	VOC	Trichloroethylene	2	/	12	0.17	9.40E-02	1.13E-01	1.11E-02	0	9.40E-02	1.11E-02	0	0	0	0	0	0	7.8E-3	9.2E-4	0	0	1.3E-3	1.5E-4	1.1E-3	1.2E-4	1.3E-3	1.5E-4
7429-90-5	B114	INORG	Aluminum	2	/	2	1.00	4.78E+04	--	3.83E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B114	INORG	Arsenic	1	/	2	0.50	4.26E+00	--	3.56E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B114	INORG	Barium	2	/	2	1.00	1.14E+02	--	9.68E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B114	INORG	Beryllium	2	/	2	1.00	1.52E+00	--	1.15E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B114	INORG	Cadmium	2	/	2	1.00	2.38E+00	--	2.35E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B114	INORG	Chromium	2	/	2	1.00	5.12E+01	--	4.83E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B114	INORG	Cobalt	2	/	2	1.00	1.63E+01	--	1.50E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B114	INORG	Copper	2	/	2	1.00	3.26E+01	--	3.23E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B114	INORG	Lead	2	/	2	1.00	1.34E+01	--	1.21E+01	1.28E+01	6.06E-01	0 <BKG	3.0E-2	0	8.6E-2	0	2.8E-1	0	1.1E-1	0	9.0E-2	0	4.7E-2	0	6.3E-2	0	7.5E-2	0
7439-93-2	B114	INORG	Lithium	2	/	2	1.00	8.50E+00	--	7.80E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B114	INORG	Manganese	1	/	1	1.00	4.02E+02	--	4.02E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B114	INORG	Mercury	2	/	2	1.00	5.19E-02	--	4.11E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B114	INORG	Nickel	2	/	2	1.00	1.92E+01	--	1.70E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B114	INORG	Perchlorate	1	/	2	0.50	6.35E-02	--	3.24E-02	0	6.35E-02	3.24E-02	0	0	0	0	0	0	5.3E-3	2.7E-3	0	0	8.5E-4	4.4E-4	7.1E-4	3.6E-4	8.7E-4	4.4E-4
7782-49-2	B114	INORG	Selenium	2	/	2	1.00	5.96E+00	--	4.26E+00	5.23E+00	7.31E-01	0 <BKG	5.4E-2	0	1.2E-1	0	1.9E-1	0	1.4E-1	0	6.1E-2	0	6.8E-2	0	5.3E-2	0	8.1E-2	0
7440-22-4	B114	INORG	Silver	2	/	2	1.00	1.54E+00	--	9.82E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B114	INORG	Strontium	2	/	2	1.00	8.34E+00	--	7.41E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B114	INORG	Titanium	1	/	1	1.00	1.02E+03	--	1.02E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B114	INORG	Vanadium	1	/	2	0.50	8.23E+01	--	5.50E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B114	INORG	Zinc	2	/	2	1.00	8.22E+01	--	5.71E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57-74-9	B114	PEST	Chlordane (total)	1	/	1	1.00	4.30E-04	--	4.30E-04	0	4.30E-04	4.30E-04	1.6E-6	1.6E-6	9.6E-5	9.6E-5	4.7E-4	4.7E-4	8.8E-5	8.8E-5	1.5E-4	1.5E-4	3.9E-5	3.9E-5	9.4E-5	9.4E-5	9.7E-5	9.7E-5
319-86-8	B114	PEST	delta-BHC	1	/	1	1.00	9.10E-04	--	9.10E-04	0	9.10E-04	9.10E-04	0	0	0	0	0	0	7.5E-5	7.5E-5	0	0	1.2E-5	1.2E-5	1.0E-5	1.0E-5	1.2E-5	1.2E-5
115-29-7	B114	PEST	Endosulfan	1	/	1	1.00	3.20E-04	--	3.20E-04	0	3.20E-04	3.20E-04	1.6E-5	1.6E-5	7.2E-5	7.2E-5	3.5E-4	3.5E-4	7.0E-5	7.0E-5	1.1E-4	1.1E-4	3.4E-5	3.4E-5	7.0E-5	7.0E-5	7.3E-5	7.3E-5
56-55-3	B114	SVOC	Benzo(a)anthracene	1	/	2	0.50	6.60E-02	--	4.33E-02	0	6.60E-02	4.33E-02	0	0	0	0	0	0	5.5E-3	3.6E-3	0	0	8.9E-4	5.8E-4	7.4E-4	4.8E-4	9.0E-4	5.9E-4
50-32-8	B114	SVOC	Benzo(a)pyrene	1	/	2	0.50	5.10E-02	--	3.58E-02	0	5.10E-02	3.58E-02	0	0	0	0	0	0	4.2E-3	3.0E-3	0	0	6.9E-4	4.8E-4	5.7E-4	4.0E-4	6.9E-4	4.9E-4
205-99-2	B114	SVOC	Benzo(b)fluoranthene	1	/	2	0.50	6.70E-02	--	4.38E-02	0	6.70E-02	4.38E-02	0	0	0	0	0	0	5.5E-3	3.6E-3	0	0	9.0E-4	5.9E-4	7.5E-4	4.9E-4	9.1E-4	6.0E-4
218-01-9	B114	SVOC	Chrysene	1	/	2	0.50	6.85E-02	--	4.45E-02	0	6.85E-02	4.45E-02	0	0	0	0	0	0	5.7E-3	3.7E-3	0	0	9.2E-4	6.0E-4	7.7E-4	5.0E-4	9.3E-4	6.1E-4
206-44-0	B114	SVOC	Fluoranthene	1	/	2	0.50	1.50E-01	--	8.53E-02	0	1.50E-01	8.53E-02	0	0	0	0	0	0	1.2E-2	7.1E-3	0	0	2.0E-3	1.1E-3	1.7E-3	9.6E-4	2.0E-3	1.2E-3
130498-29-2H	B114	SVOC	PAHs (High MW)	1	/	2	0.50	6.26E-01	--	3.23E-01	0	1	0	1.8E-2	9.4E-3	2.6E-1	1.3E-1	0	0	2.0E-1	1.0E-1	0	0	1.0E-1	5.3E-2	3.6E-2	1.9E-2	1.1E-1	5.8E-2
130498-29-2L	B114	SVOC	PAHs (Low MW)	1	/	4	0.25	2.60E-01	--	7.04E-02	0	2.60E-01	7.04E-02	2.2E-2	1.2E-2	1.3E-1	3.4E-2	0	0	9.6E-2	2.8E-2	0	0	5.3E-2	1.6E-2	1.7E-2	4.6E-3	5.5E-2	1.5E-2
130498-29-2	B114	SVOC	PAHs (total)	1	/	4	0.25	8.86E-01	--	2.27E-01	0	8.86E-01	2.27E-01	0	0	0	0	0	0	7.3E-2	1.9E-2	0	0	1.2E-2	3.1E-3	9.9E-3	2.5E-3	1.2E-2	3.1E-3
85-01-8	B114	SVOC	Phenanthrene	1	/	2	0.50	1.35E-01	--	7.78E-02	0	1.35E-01	7.78E-02	0	0	0	0	0	0	1.1E-2	6.4E-3	0	0	1.8E-3	1.0E-3	1.5E-3	8.7E-4	1.8E-3	1.1E-3
129-00-0	B114	SVOC	Pyrene	1	/	2	0.50	1.40E-01	--	8.03E-02	0	1.40E-01	8.03E-02	0	0	0	0	0	0	1.2E-2	6.6E-3	0	0	1.9E-3	1.1E-3	1.6E-3	9.0E-4	1.9E-3	1.1E-3
591-78-6	B114	VOC	2-Hexanone	1	/	2	0.50	4.00E-03	--	3.00E-03	0	4.00E-03	3.00E-03	0	0	0	0	0	0	3.3E-4	2.5E-4	0	0	5.4E-5	4.0E-5	4.5E-5	3.4E-5	5.4E-5	4.1E-5
108-94-1	B114	VOC	Cyclohexanone	1	/	2	0.50	4.10E-02	--	2.83E-02	0	4.10E-02	2.83E-02	0	0	0	0	0	0	3.4E-3	2.3E-3	0	0	5.5E-4	3.8E-4	4.6E-4	3.2E-4	5.6E-4	3.8E-4
7429-90-5	B115	INORG	Aluminum	4	/	4	1.00	4.44E+04	--	3.71E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B115	INORG	Arsenic	4	/	4	1.00	6.54E+00	--	4.12E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B115	INORG	Barium	4	/	4	1.00	1.29E+02	--	1.03E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B115	INORG	Beryllium	2	/	4	0.50	6.76E-01	--	4.27E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B115	INORG	Boron	2	/	4	0.50	4.73E+00	--	2.24E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B115	INORG	Cadmium	3	/	4	0.75	1.59E+00	--	5.50E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B115	INORG	Chromium	4	/	4	1.00	7.96E+01	--	4.66E+01	6.03E+01	1.93E+01	0 <BKG	1.2E-1	0	9.4E-1	0	6.5E-1	0	2.1E+0	0	2.1E-1	0	6.2E-1	0	4.3E-1	0	7.2E-1	0
7440-48-4	B115	INORG	Cobalt	4	/	4	1.00	2.32E+01	--	1.22E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B115	INORG	Copper	4	/	4	1.00	2.85E+01	--	2.27E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B115	INORG	Lead	4	/	4	1.00	1.39E+01	--	7.97E+00	1.28E+01	1.11E+00	0 <BKG	4.2E-2	0	1.4E-1	0	3.6E-1	0	1.8E-1	0	1.2E-1	0	7.6E-2	0	8.9E-2	0	1.1E-1	0
7439-93-2	B115	INORG	Lithium	3	/	4	0.75	1.04E+01	--	7.03E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7439-96-5	B115	INORG	Manganese	4	/	4	1.00	8.13E+02	--	2.98E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B115	INORG	Mercury	1	/	4	0.25	1.15E-01	--	4.05E-02	9.20E-02	2.30E-02	0 <BKG	0	0	0	0	0	0	1.9E-3	0	0	0	3.1E-4	0	2.6E-4	0	3.1E-4	0
7439-98-7	B115	INORG	Molybdenum	1	/	4	0.25	7.46E-01	--	3.86E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B115	INORG	Nickel	4	/	4	1.00	1.98E+01	--	1.68E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B115	INORG	Perchlorate	2	/	4	0.50	3.80E-03	--	2.46E-03	0	3.80E-03	2.46E-03	0	0	0	0	0	0	3.1E-4	2.0E-4	0	0	5.1E-5	3.3E-5	4.3E-5	2.8E-5	5.2E-5	3.4E-5
7782-49-2	B115	INORG	Selenium	1	/	4	0.25	3.08E+00	--	1.21E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B115	INORG	Silver	1	/	4	0.25	2.99E-01	--	1.61E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B115	INORG	Strontium	4	/	4	1.00	1.20E+01	--	9.13E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B115	INORG	Thallium	1	/	4	0.25	5.66E+00	--	2.07E+00	4.10E+00	1.56E+00	0 <BKG	0	0	0	0	0	0	1.3E-1	0	0	0	2.1E-2	0	1.7E-2	0	2.1E-2	0
7440-31-5	B115	INORG	Tin	3	/	4	0.75	3.03E+00	--	2.64E+00	5.26E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B115	INORG	Titanium	4	/	4	1.00	1.24E+03	--	1.04E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B115	INORG	Vanadium	4	/	4	1.00	7.09E+01	--	5.66E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B115	INORG	Zinc	4	/	4	1.00	5.65E+01	--	4.43E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72-55-9	B115	PEST	4,4'-DDE	1	/	1	1.00	1.70E-03	--	1.70E-03	0	1.70E-03	1.70E-03	0	0	0	0	0	0	1.4E-4	1.4E-4	0	0	2.3E-5	2.3E-5	1.9E-5	1.9E-5	2.3E-5	2.3E-5
50-29-3	B115	PEST	4,4'-DDT	1	/	1	1.00	2.80E-03	--	2.80E-03	0	2.80E-03	2.80E-03	0	0	5.0E-3	5.0E-3	2.4E-2	2.4E-2	2.9E-3	2.9E-3	7.9E-3	7.9E-3	1.7E-3	1.7E-3	4.7E-3	4.7E-3	4.8E-3	4.8E-3
309-00-2	B115	PEST	Aldrin	1	/	1	1.00	2.60E-04	--	2.60E-04	0	2.60E-04	2.60E-04	2.6E-7	2.6E-7	5.8E-5	5.8E-5	2.8E-4	2.8E-4	5.3E-5	5.3E-5	9.2E-5	9.2E-5	2.3E-5	2.3E-5	5.7E-5	5.7E-5	5.9E-5	5.9E-5
57-74-9	B115	PEST	Chlordane (total)	1	/	1	1.00	1.60E-03	--	1.60E-03	0	1.60E-03	1.60E-03	5.8E-6	5.8E-6	3.6E-4	3.6E-4	1.7E-3	1.7E-3	3.3E-4	3.3E-4	5.6E-4	5.6E-4	1.4E-4	1.4E-4	3.5E-4	3.5E-4	3.6E-4	3.6E-4
115-29-7	B115	PEST	Endosulfan	1	/	1	1.00	1.70E-03	--	1.70E-03	0	1.70E-03	1.70E-03	8.8E-5	8.8E-5	3.8E-4	3.8E-4	1.8E-3	1.8E-3	3.7E-4	3.7E-4	6.0E-4	6.0E-4	1.8E-4	1.8E-4	3.7E-4	3.7E-4	3.9E-4	3.9E-4
72-20-8	B115	PEST	Endrin	1	/	1	1.00	1.80E-03	--	1.80E-03	0	1.80E-03	1.80E-03	6.1E-6	6.1E-6	4.0E-4	4.0E-4	1.9E-3	1.9E-3	3.7E-4	3.7E-4	6.3E-4	6.3E-4	1.6E-4	1.6E-4	3.9E-4	3.9E-4	4.1E-4	4.1E-4
1024-57-3	B115	PEST	Heptachlor epoxide	1	/	1	1.00	1.90E-03	--	1.90E-03	0	1.90E-03	1.90E-03	8.3E-6	8.3E-6	4.3E-4	4.3E-4	2.1E-3	2.1E-3	3.9E-4	3.9E-4	6.7E-4	6.7E-4	1.7E-4	1.7E-4	4.1E-4	4.1E-4	4.3E-4	4.3E-4
117-81-7	B115	SVOC	bis (2-Ethylhexyl) phthalat	1	/	4	0.25	1.10E+00	--	3.06E-01	0	1.10E+00	3.06E-01	0	0	0	0	0	0	9.1E-2	2.5E-2	0	0	1.5E-2	4.1E-3	1.2E-2	3.4E-3	1.5E-2	4.2E-3
108-95-2	B115	SVOC	Phenol	3	/	4	0.75	1.10E-01	--	6.70E-02	0	1.10E-01	6.70E-02	9.2E-2	5.6E-2	2.0E-2	1.2E-2	0	0	4.6E-2	2.8E-2	0	0	3.9E-2	2.4E-2	3.4E-3	2.1E-3	1.5E-2	8.9E-3
75-09-2	B115	VOC	Methylene chloride	4	/	4	1.00	1.00E-02	--	6.00E-03	0	1.00E-02	6.00E-03	0	0	0	0	0	0	8.3E-4	5.0E-4	0	0	1.3E-4	8.1E-5	1.1E-4	6.7E-5	1.4E-4	8.2E-5
99-87-6	B115	VOC	p-Isopropyltoluene	1	/	4	0.25	2.00E-03	--	1.00E-03	0	2.00E-03	1.00E-03	0	0	0	0	0	0	1.7E-4	8.3E-5	0	0	2.7E-5	1.3E-5	2.2E-5	1.1E-5	2.7E-5	1.4E-5
108-88-3	B115	VOC	Toluene	2	/	4	0.50	6.00E-03	--	2.00E-03	0	6.00E-03	2.00E-03	0	0	0	0	0	0	5.0E-4	1.7E-4	0	0	8.1E-5	2.7E-5	6.7E-5	2.2E-5	8.2E-5	2.7E-5
79-01-6	B115	VOC	Trichloroethylene	2	/	4	0.50	4.00E-03	--	2.13E-03	0	4.00E-03	2.13E-03	0	0	0	0	0	0	3.3E-4	1.8E-4	0	0	5.4E-5	2.9E-5	4.5E-5	2.4E-5	5.4E-5	2.9E-5
7429-90-5	B116128	INORG	Aluminum	3	/	3	1.00	3.14E+04	--	2.86E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B116128	INORG	Arsenic	3	/	3	1.00	4.03E+00	--	3.30E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B116128	INORG	Barium	3	/	3	1.00	1.79E+02	--	1.53E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B116128	INORG	Beryllium	2	/	3	0.67	1.10E+00	--	6.51E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B116128	INORG	Boron	3	/	3	1.00	1.06E+01	--	5.00E+00	8.22E+00	2.38E+00	0 <BKG	0	0	0	0	0	0	2.0E-1	0	0	0	3.2E-2	0	2.7E-2	0	3.2E-2	0
7440-43-9	B116128	INORG	Cadmium	3	/	3	1.00	7.41E-01	--	4.37E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B116128	INORG	Chromium	3	/	3	1.00	3.73E+01	--	3.41E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B116128	INORG	Cobalt	3	/	3	1.00	1.89E+01	--	1.49E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B116128	INORG	Copper	3	/	3	1.00	2.47E+01	--	2.09E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B116128	INORG	Lead	3	/	3	1.00	1.74E+01	--	1.32E+01	1.28E+01	4.61E+00	3.72E-01	9.4E-2	2.3E-2	4.4E-1	5.8E-2	6.8E-1	2.2E-1	6.5E-1	6.9E-2	2.2E-1	7.3E-2	2.4E-1	3.2E-2	2.2E-1	4.8E-2	3.2E-1	5.5E-2
7439-93-2	B116128	INORG	Lithium	3	/	3	1.00	9.10E+00	--	7.23E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B116128	INORG	Manganese	3	/	3	1.00	1.09E+03	--	7.22E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B116128	INORG	Mercury	1	/	3	0.33	2.75E-02	--	1.46E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B116128	INORG	Nickel	3	/	3	1.00	1.95E+01	--	1.81E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B116128	INORG	Silver	1	/	3	0.33	3.65E-01	--	1.90E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B116128	INORG	Strontium	3	/	3	1.00	7.10E+00	--	5.64E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B116128	INORG	Thallium	1	/	3	0.33	2.74E+00	--	2.49E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B116128	INORG	Titanium	3	/	3	1.00	1.82E+03	--	1.57E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B116128	INORG	Vanadium	3	/	3	1.00	5.14E+01	--	5.02E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B116128	INORG	Zinc	3	/	3	1.00	6.93E+01	--	5.22E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319-86-8	B116128	PEST	delta-BHC	1	/	1	1.00	7.90E-04	--	7.90E-04	0	7.90E-04	7.90E-04	0	0	0	0	0	0	6.5E-5	6.5E-5	0	0	1.1E-5	1.1E-5	8.9E-6	8.9E-6	1.1E-5	1.1E-5
115-29-7	B116128	PEST	Endosulfan	1	/	1	1.00	1.70E-02	--	1.70E-02	0	1.70E-02	1.70E-02	8.8E-4	8.8E-4	3.8E-3	3.8E-3	1.8E-2	1.8E-2	3.7E-3	3.7E-3	6.0E-3	6.0E-3	1.8E-3	1.8E-3	3.7E-3	3.7E-3	3.9E-3	3.9E-3
7421-93-4	B116128	PEST	Endrin aldehyde	1	/	1	1.00	9.80E-04	--	9.80E-04	0	9.80E-04	9.80E-04	0	0	0	0	0	0	8.1E-5	8.1E-5	0	0	1.3E-5	1.3E-5	1.1E-5	1.1E-5	1.3E-5	1.3E-5
1024-57-3	B116128	PEST	Heptachlor epoxide	1	/	1	1.00	5.10E-04	--	5.10E-04	0	5.10E-04	5.10E-04	2.2E-6	2.2E-6	1.1E-4	1.1E-4	5.5E-4	5.5E-4	1.0E-4	1.0E-4	1.8E-4	1.8E-4	4.6E-5	4.6E-5	1.1E-4	1.1E-4	1.2E-4	1.2E-4
58-89-9	B116128	PEST	Lindane	1	/	1	1.00	5.50E-04	--	5.50E-04	0	5.50E-04	5.50E-04	2.3E-5	2.3E-5	1.2E-4	1.2E-4	6.0E-4	6.0E-4	1.2E-4	1.2E-4	1.9E-4	1.9E-4	5.6E-5	5.6E-5	1.2E-4	1.2E-4	1.3E-4	1.3E-4
83-32-9	B116128	SVOC	Acenaphthene	1	/	3	0.33	1.80E-01	--	7.42E-02	0	1.80E-01	7.42E-02	0	0	0	0	0	0	1.5E-2	6.1E-3	0	0	2.4E-3	1.0E-3	2.0E-3	8.3E-4	2.5E-3	1.0E-3
120-12-7	B116128	SVOC	Anthracene	1	/	3	0.33	2.50E-01	--	9.75E-02	0	2.50E-01	9.75E-02	0	0	0	0	0	0	2.1E-2	8.1E-3	0	0	3.4E-3	1.3E-3	2.8E-3	1.1E-3	3.4E-3	1.3E-3
56-55-3	B116128	SVOC	Benzo(a)anthracene	1	/	3	0.33	7.80E-01	--	2.74E-01	0	7.80E-01	2.74E-01	0	0	0	0	0	0	6.5E-2	2.3E-2	0	0	1.0E-2	3.7E-3	8.7E-3	3.1E-3	1.1E-2	3.7E-3
50-32-8	B116128	SVOC	Benzo(a)pyrene	1	/	3	0.33	6.90E-01	--	2.44E-01	0	6.90E-01	2.44E-01	0	0	0	0	0	0	5.7E-2	2.0E-2	0	0	9.3E-3	3.3E-3	7.7E-3	2.7E-3	9.4E-3	3.3E-3
205-99-2	B116128	SVOC	Benzo(b)fluoranthene	1	/	3	0.33	9.70E-01	--	3.38E-01	0	9.70E-01	3.38E-01	0	0	0	0	0	0	8.0E-2	2.8E-2	0	0	1.3E-2	4.5E-3	1.1E-2	3.8E-3	1.3E-2	4.6E-3
191-24-2	B116128	SVOC	Benzo(g,h,i)perylene	1	/	3	0.33	5.20E-01	--	1.88E-01	0	5.20E-01	1.88E-01	0	0	0	0	0	0	4.3E-2	1.6E-2	0	0	7.0E-3	2.5E-3	5.8E-3	2.1E-3	7.1E-3	2.6E-3
207-08-9	B116128	SVOC	Benzo(k)fluoranthene	1	/	3	0.33	4.10E-01	--	1.51E-01	0	4.10E-01	1.51E-01	0	0	0	0	0	0	3.4E-2	1.2E-2	0	0	5.5E-3	2.0E-3	4.6E-3	1.7E-3	5.6E-3	2.1E-3
119-61-9	B116128	SVOC	Benzophenone	1	/	3	0.33	1.90E-01	--	7.65E-02	0	1.90E-01	7.65E-02	0	0	0	0	0	0	1.6E-2	6.3E-3	0	0	2.6E-3	1.0E-3	2.1E-3	8.6E-4	2.6E-3	1.0E-3
86-74-8	B116128	SVOC	Carbazole	1	/	3	0.33	1.60E-01	--	6.75E-02	0	1.60E-01	6.75E-02	0	0	0	0	0	0	1.3E-2	5.6E-3	0	0	2.2E-3	9.1E-4	1.8E-3	7.6E-4	2.2E-3	9.2E-4
218-01-9	B116128	SVOC	Chrysene	1	/	3	0.33	8.70E-01	--	3.04E-01	0	8.70E-01	3.04E-01	0	0	0	0	0	0	7.2E-2	2.5E-2	0	0	1.2E-2	4.1E-3	9.7E-3	3.4E-3	1.2E-2	4.1E-3
53-70-3	B116128	SVOC	Dibenzo(a,h)anthracene	1	/	3	0.33	1.30E-01	--	5.75E-02	0	1.30E-01	5.75E-02	0	0	0	0	0	0	1.1E-2	4.8E-3	0	0	1.7E-3	7.7E-4	1.5E-3	6.4E-4	1.8E-3	7.8E-4
132-64-9	B116128	SVOC	Dibenzofuran	1	/	3	0.33	4.40E-02	--	2.88E-02	0	4.40E-02	2.88E-02	0	0	0	0	0	0	3.6E-3	2.4E-3	0	0	5.9E-4	3.9E-4	4.9E-4	3.2E-4	6.0E-4	3.9E-4
131-11-3	B116128	SVOC	Dimethyl phthalate	1	/	3	0.33	9.30E-02	--	5.93E-02	0	9.30E-02	5.93E-02	0	0	0	0	0	0	7.7E-3	4.9E-3	0	0	1.3E-3	8.0E-4	1.0E-3	6.6E-4	1.3E-3	8.1E-4
206-44-0	B116128	SVOC	Fluoranthene	1	/	3	0.33	1.40E+00	--	4.81E-01	0	1.40E+00	4.81E-01	0	0	0	0	0	0	1.2E-1	4.0E-2	0	0	1.9E-2	6.5E-3	1.6E-2	5.4E-3	1.9E-2	6.6E-3
86-73-7	B116128	SVOC	Fluorene	1	/	3	0.33	1.00E-01	--	4.75E-02	0	1.00E-01	4.75E-02	0	0	0	0	0	0	8.3E-3	3.9E-3	0	0	1.3E-3	6.4E-4	1.1E-3	5.3E-4	1.4E-3	6.5E-4
193-39-5	B116128	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	3	0.33	4.80E-01	--	1.74E-01	0	4.80E-01	1.74E-01	0	0	0	0	0	0	4.0E-2	1.4E-2	0	0	6.5E-3	2.3E-3	5.4E-3	2.0E-3	6.5E-3	2.4E-3
130498-29-2H	B116128	SVOC	PAHs (High MW)	1	/	3	0.33	7.85E+00	--	2.63E+00	0	8	3	1.9E-1	6.8E-2	3.3E+0	1.1E+0	0	0	2.5E+0	8.3E-1	0	0	1.3E+0	4.3E-1	4.5E-1	1.5E-1	1.4E+0	4.7E-1
130498-29-2L	B116128	SVOC	PAHs (Low MW)	1	/	7	0.14	1.79E+00	--	2.62E-01	0	1.79E+00	2.62E-01	5.2E-2	2.2E-2	8.7E-1	1.3E-1	0	0	6.3E-1	9.6E-2	0	0	3.3E-1	5.4E-2	1.2E-1	1.7E-2	3.7E-1	5.5E-2
130498-29-2	B116128	SVOC	PAHs (total)	1	/	7	0.14	9.64E+00	--	1.38E+00	0	9.64E+00	1.38E+00	0	0	0	0	0	0	8.0E-1	1.1E-1	0	0	1.3E-1	1.9E-2	1.1E-1	1.5E-2	1.3E-1	1.9E-2
85-01-8	B116128	SVOC	Phenanthrene	1	/	3	0.33	1.20E+00	--	4.14E-01	0	1.20E+00	4.14E-01	0	0	0	0	0	0	9.9E-2	3.4E-2	0	0	1.6E-2	5.6E-3	1.3E-2	4.6E-3	1.6E-2	5.6E-3
108-95-2	B116128	SVOC	Phenol	2	/	3	0.67	9.00E-02	--	5.15E-02	0	9.00E-02	5.15E-02	7.5E-2	4.3E-2	1.6E-2	9.2E-3	0	0	3.8E-2	2.2E-2	0	0	3.2E-2	1.8E-2	2.8E-3	1.6E-3	1.2E-2	6.8E-3
129-00-0	B116128	SVOC	Pyrene	1	/	3	0.33	1.60E+00	--	5.48E-01	0	1.60E+00	5.48E-01	0	0	0	0	0	0	1.3E-1	4.5E-2	0	0	2.2E-2	7.4E-3	1.8E-2	6.1E-3	2.2E-2	7.5E-3
107-06-2	B116128	VOC	1,2-Dichloroethane	2	/	4	0.50	4.00E-03	--	1.88E-03	0	4.00E-03	1.88E-03	0	0	0	0	0	0	3.3E-4	1.6E-4	0	0	5.4E-5	2.5E-5	4.5E-5	2.1E-5	5.4E-5	2.6E-5
75-09-2	B116128	VOC	Methylene chloride	2	/	4	0.50	7.00E-03	--	4.00E-03	0	7.00E-03	4.00E-03	0	0	0	0	0	0	5.8E-4	3.3E-4	0	0	9.4E-5	5.4E-5	7.8E-5	4.5E-5	9.5E-5	5.4E-5
127-18-4	B116128	VOC	Tetrachloroethylene	1	/	4	0.25	1.00E-03	--	8.75E-04	0	1.00E-03	8.75E-04	0	0	0	0	0	0	8.3E-5	7.2E-5	0	0	1.3E-5	1.2E-5	1.1E-5	9.8E-6	1.4E-5	1.2E-5
79-01-6	B116128	VOC	Trichloroethylene	1	/	4	0.25	3.00E-03	--	1.38E-03	0	3.00E-03	1.38E-03	0	0	0	0	0	0	2.5E-4	1.1E-4	0	0	4.0E-5	1.9E-5	3.4E-5	1.5E-5	4.1E-5	1.9E-5
75-01-4	B116128	VOC	Vinyl chloride	2	/	4	0.50	7.00E-03	--	2.63E-03	0	7.00E-03	2.63E-03	0	0	0	0	0	0	5.8E-4	2.2E-4	0	0	9.4E-5	3.5E-5	7.8E-5	2.9E-5	9.5E-5	3.6E-5
7429-90-5	B117	INORG	Aluminum	5	/	5	1.00	4.34E+04	4.12E+04	3.13E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B117	INORG	Antimony	1	/	5	0.20	1.34E+01	--	3.17E+00	5.09E+00	8.31E+00	0 <BKG	4.3E-2	0	1.3E+0	0	6.6E-2	0	1.4E+0	0	2.2E-2	0	5.7E-1	0	2.5E-1	0	6.5E-1	0
7440-38-2	B117	INORG	Arsenic	2	/	5	0.40	1.97E+00	--	1.49E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B117	INORG	Barium	5	/	5	1.00	1.12E+02	--	1.03E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B117	INORG	Beryllium	5	/	5	1.00	2.22E+00	--	1.15E+00	2.05E+00	1.73E-01	0 <BKG	2.5E-2	0	1.2E-3	0	6.2E-6	0	2.2E-2	0	2.0E-6	0	1.1E-2	0	2.1E-3	0	4.3E-3	0
7440-42-8	B117	INORG	Boron	5	/	5	1.00	2.49E+01	2.17E+01	1.44E+01	8.22E+00	1.67E+01	1.34E+01	0	0	0	0	0	0	1.4E+0	1.1E+0	0	0	2.2E-1	1.8E-1	1.9E-1	1.5E-1	2.3E-1	1.8E-1

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Terrestrial Plants (mg/kg ww)		Terrestrial Inverts (mg/kg ww)		Prey Mammals (mg/kg ww)		American Robin TDI (mg/kg-bw/d)		Screech Owl TDI (mg/kg-bw/d)		Deer Mouse TDI (mg/kg-bw/d)		Terrestrial Mink TDI (mg/kg-bw/d)		Short-Tailed Shrew TDI (mg/kg-bw/d)	
												Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-43-9	B117	INORG	Cadmium	5 / 5	1.00	2.12E+00	1.78E+00	1.23E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B117	INORG	Chromium	5 / 5	1.00	4.65E+01	4.54E+01	3.68E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B117	INORG	Cobalt	5 / 5	1.00	1.95E+01	1.69E+01	1.14E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B117	INORG	Copper	5 / 5	1.00	5.20E+01	4.23E+01	2.69E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B117	INORG	Lead	4 / 5	0.80	3.76E+01	2.59E+01	1.42E+01	1.28E+01	2.48E+01	1.31E+01	2.4E-1	1.7E-1	1.7E+0	1.0E+0	1.4E+0	1.1E+0	3.0E+0	1.7E+0	4.7E-1	3.5E-1	9.9E-1	5.8E-1	7.1E-1	4.4E-1	1.2E+0	7.2E-1
7439-93-2	B117	INORG	Lithium	5 / 5	1.00	1.37E+01	1.23E+01	9.82E+00	1.21E+01	1.58E+00	1.83E-01	0	0	0	0	0	0	1.3E-1	1.5E-2	0	0	2.1E-2	2.5E-3	1.8E-2	2.1E-3	2.2E-2	2.5E-3
7439-96-5	B117	INORG	Manganese	5 / 5	1.00	5.91E+02	5.09E+02	3.50E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B117	INORG	Mercury	5 / 5	1.00	8.80E-02	--	4.62E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B117	INORG	Nickel	5 / 5	1.00	2.51E+01	--	1.69E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B117	INORG	Selenium	4 / 5	0.80	2.97E+00	2.62E+00	2.33E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B117	INORG	Strontium	5 / 5	1.00	6.90E+00	--	4.82E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B117	INORG	Titanium	5 / 5	1.00	2.03E+03	1.81E+03	1.27E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B117	INORG	Vanadium	5 / 5	1.00	7.60E+01	7.23E+01	5.42E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B117	INORG	Zinc	5 / 5	1.00	2.62E+02	2.66E+02	1.03E+02	8.96E+01	1.72E+02	1.30E+01	1.3E+1	3.0E+0	7.4E+1	3.2E+1	3.6E+1	3.0E+1	5.8E+1	1.9E+1	1.2E+1	9.8E+0	3.1E+1	1.2E+1	1.6E+1	8.8E+0	3.7E+1	1.6E+1
86-57-7	B117	Nitroaromatics	1-Nitronaphthalene	1 / 5	0.20	1.50E-01	--	7.90E-02	0	1.50E-01	7.90E-02	0	0	0	0	0	0	1.2E-2	6.5E-3	0	0	2.0E-3	1.1E-3	1.7E-3	8.9E-4	2.0E-3	1.1E-3
93-76-5	B117	PEST	2,4,5-T	2 / 4	0.50	1.60E-03	--	9.71E-04	0	1.60E-03	9.71E-04	0	0	0	0	0	0	1.3E-4	8.0E-5	0	0	2.2E-5	1.3E-5	1.8E-5	1.1E-5	2.2E-5	1.3E-5
50-29-3	B117	PEST	4,4'-DDT	1 / 4	0.25	4.50E-03	--	1.28E-03	0	4.50E-03	1.28E-03	0	0	8.1E-3	2.3E-3	3.9E-2	1.1E-2	4.7E-3	1.3E-3	1.3E-2	3.6E-3	2.8E-3	7.9E-4	7.5E-3	2.1E-3	7.7E-3	2.2E-3
309-00-2	B117	PEST	Aldrin	1 / 4	0.25	1.00E-02	--	2.58E-03	0	1.00E-02	2.58E-03	1.0E-5	2.6E-6	2.2E-3	5.8E-4	1.1E-2	2.8E-3	2.0E-3	5.3E-4	3.5E-3	9.1E-4	8.9E-4	2.3E-4	2.2E-3	5.6E-4	2.3E-3	5.8E-4
319-85-7	B117	PEST	beta-BHC	1 / 4	0.25	2.30E-02	--	6.19E-03	0	2.30E-02	6.19E-03	8.7E-4	2.3E-4	5.2E-3	1.4E-3	2.5E-2	6.7E-3	4.9E-3	1.3E-3	8.1E-3	2.2E-3	2.3E-3	6.3E-4	5.0E-3	1.3E-3	5.2E-3	1.4E-3
115-29-7	B117	PEST	Endosulfan	3 / 4	0.75	2.70E-03	--	1.63E-03	0	2.70E-03	1.63E-03	1.4E-4	8.4E-5	6.0E-4	3.7E-4	2.9E-3	1.8E-3	5.9E-4	3.6E-4	9.5E-4	5.8E-4	2.9E-4	1.7E-4	5.9E-4	3.6E-4	6.2E-4	3.7E-4
1031-07-8	B117	PEST	Endosulfan sulfate	1 / 4	0.25	1.30E-02	--	3.41E-03	0	1.30E-02	3.41E-03	0	0	0	0	0	0	1.1E-3	2.8E-4	0	0	1.7E-4	4.6E-5	1.5E-4	3.8E-5	1.8E-4	4.6E-5
72-43-5	B117	PEST	Methoxychlor	1 / 4	0.25	4.70E-03	--	1.96E-03	0	4.70E-03	1.96E-03	5.4E-5	2.2E-5	1.1E-3	4.4E-4	5.1E-3	2.1E-3	9.7E-4	4.1E-4	1.7E-3	6.9E-4	4.4E-4	1.8E-4	1.0E-3	4.3E-4	1.1E-3	4.4E-4
56-55-3	B117	SVOC	Benzo(a)anthracene	1 / 5	0.20	5.50E-02	--	2.72E-02	0	5.50E-02	2.72E-02	0	0	0	0	0	0	4.6E-3	2.2E-3	0	0	7.4E-4	3.7E-4	6.2E-4	3.0E-4	7.5E-4	3.7E-4
50-32-8	B117	SVOC	Benzo(a)pyrene	1 / 5	0.20	4.60E-02	--	2.54E-02	0	4.60E-02	2.54E-02	0	0	0	0	0	0	3.8E-3	2.1E-3	0	0	6.2E-4	3.4E-4	5.2E-4	2.8E-4	6.3E-4	3.5E-4
205-99-2	B117	SVOC	Benzo(b)fluoranthene	1 / 5	0.20	6.00E-02	--	2.82E-02	0	6.00E-02	2.82E-02	0	0	0	0	0	0	5.0E-3	2.3E-3	0	0	8.1E-4	3.8E-4	6.7E-4	3.2E-4	8.2E-4	3.8E-4
117-81-7	B117	SVOC	bis (2-Ethylhexyl) phthalat	1 / 5	0.20	1.40E-01	--	6.05E-02	0	1.40E-01	6.05E-02	0	0	0	0	0	0	1.2E-2	5.0E-3	0	0	1.9E-3	8.1E-4	1.6E-3	6.8E-4	1.9E-3	8.2E-4
218-01-9	B117	SVOC	Chrysene	1 / 5	0.20	6.60E-02	--	2.94E-02	0	6.60E-02	2.94E-02	0	0	0	0	0	0	5.5E-3	2.4E-3	0	0	8.9E-4	3.9E-4	7.4E-4	3.3E-4	9.0E-4	4.0E-4
84-74-2	B117	SVOC	Dibutyl phthalate	1 / 5	0.20	6.20E-01	--	1.56E-01	0	6.20E-01	1.56E-01	0	0	0	0	0	0	5.1E-2	1.3E-2	0	0	8.3E-3	2.1E-3	6.9E-3	1.8E-3	8.4E-3	2.1E-3
206-44-0	B117	SVOC	Fluoranthene	1 / 5	0.20	1.00E-01	--	3.62E-02	0	1.00E-01	3.62E-02	0	0	0	0	0	0	8.3E-3	3.0E-3	0	0	1.3E-3	4.9E-4	1.1E-3	4.0E-4	1.4E-3	4.9E-4
130498-29-2H	B117	SVOC	PAHs (High MW)	1 / 5	0.20	5.13E-01	--	1.19E-01	0	1	0	1.5E-2	3.6E-3	2.1E-1	4.9E-2	0	0	1.6E-1	3.7E-2	0	0	8.4E-2	1.9E-2	3.0E-2	6.9E-3	9.3E-2	2.1E-2
130498-29-2L	B117	SVOC	PAHs (Low MW)	1 / 6	0.17	1.91E-01	--	4.53E-02	0	1.91E-01	4.53E-02	1.9E-2	9.8E-3	9.3E-2	2.2E-2	0	0	7.1E-2	1.8E-2	0	0	4.0E-2	1.1E-2	1.3E-2	3.0E-3	4.1E-2	9.9E-3
130498-29-2	B117	SVOC	PAHs (total)	1 / 6	0.17	7.04E-01	--	1.31E-01	0	7.04E-01	1.31E-01	0	0	0	0	0	0	5.8E-2	1.1E-2	0	0	9.5E-3	1.8E-3	7.9E-3	1.5E-3	9.6E-3	1.8E-3
85-01-8	B117	SVOC	Phenanthrene	1 / 5	0.20	5.90E-02	--	2.80E-02	0	5.90E-02	2.80E-02	0	0	0	0	0	0	4.9E-3	2.3E-3	0	0	7.9E-4	3.8E-4	6.6E-4	3.1E-4	8.0E-4	3.8E-4
108-95-2	B117	SVOC	Phenol	1 / 5	0.20	2.70E-01	--	7.06E-02	0	2.70E-01	7.06E-02	2.2E-1	5.9E-2	4.8E-2	1.3E-2	0	0	1.1E-1	3.0E-2	0	0	9.6E-2	2.5E-2	8.5E-3	2.2E-3	3.6E-2	9.3E-3
129-00-0	B117	SVOC	Pyrene	1 / 5	0.20	9.80E-02	--	3.58E-02	0	9.80E-02	3.58E-02	0	0	0	0	0	0	8.1E-3	3.0E-3	0	0	1.3E-3	4.8E-4	1.1E-3	4.0E-4	1.3E-3	4.9E-4
7429-90-5	B119120	INORG	Aluminum	4 / 4	1.00	2.99E+04	--	2.39E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B119120	INORG	Barium	4 / 4	1.00	1.79E+02	--	1.34E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B119120	INORG	Beryllium	4 / 4	1.00	1.82E+00	--	9.33E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B119120	INORG	Boron	4 / 4	1.00	1.85E+01	--	1.46E+01	8.22E+00	1.03E+01	6.38E+00	0	0	0	0	0	0	8.5E-1	5.3E-1	0	0	1.4E-1	8.6E-2	1.2E-1	7.2E-2	1.4E-1	8.7E-2
7440-43-9	B119120	INORG	Cadmium	3 / 4	0.75	7.24E-01	--	4.97E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B119120	INORG	Chromium	4 / 4	1.00	8.76E+01	--	4.39E+01	6.03E+01	2.73E+01	0 <BKG	1.7E-1	0	1.3E+0	0	8.4E-1	0	3.0E+0	0	2.7E-1	0	8.7E-1	0	6.0E-1	0	1.0E+0	0
7440-48-4	B119120	INORG	Cobalt	4 / 4	1.00	2.26E+01	--	1.24E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B119120	INORG	Copper	4 / 4	1.00	5.70E+01	--	3.27E+01	5.28E+01	4.23E+00	0 <BKG	5.2E-1	0	3.5E-1	0	3.0E+0	0	6.9E-1	0	9.9E-1	0	3.5E-1	0	6.0E-1	0	5.7E-1	0
7439-92-1	B119120	INORG	Lead	4 / 4	1.00	4.86E+01	--	2.18E+01	1.28E+01	3.58E+01	9.05E+00	3.0E-1	1.4E-1	2.3E+0	7.6E-1	1.7E+0	9.1E-1	4.3E+0	1.2E+0	5.5E-1	3.0E-1	1.4E+0	4.2E-1	9.4E-1	3.4E-1	1.6E+0	5.4E-1
7439-93-2	B119120	INORG	Lithium	4 / 4	1.00	6.60E+00	--	5.25E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B119120	INORG	Manganese	4 / 4	1.00	1.01E+03	--	4.81E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B119120	INORG	Mercury	3 / 4	0.75	3.26E-02	--	2.45E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B119120	INORG	Molybdenum	1 / 4	0.25	8.48E-01	--	4.07E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B119120	INORG	Nickel	4 / 4	1.00	2.11E+01	--	1.38E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B119120	INORG	Selenium	1 / 4	0.25	1.38E+00	--	1.37E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B119120	INORG	Strontium	4 / 4	1.00	1.51E+01	--	9.63E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B119120	INORG	Thallium	3 / 4	0.75	4.95E+00	--	3.31E+00	4.10E+00	8.52E-01	0 <BKG	0	0	0	0	0	0	7.1E-2	0	0	0	1.1E-2	0	9.5E-3	0	1.2E-2	0
7440-32-6	B119120	INORG	Titanium	4 / 4	1.00	1.65E+03	--	1.44E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B119120	INORG	Vanadium	4 / 4	1.00	8.97E+01	--	5.32E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B119120	INORG	Zinc	4 / 4	1.00	7.49E+01	--	5.97E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86-57-7	B119120	Nitroaromatics	1-Nitronaphthalene	1 / 5	0.20	4.70E-01	--	1.40E-01	0	4.70E-01	1.40E-01	0	0	0	0	0	0	3.9E-2	1.2E-2	0	0	6.3E-3	1.9E-3	5.3E-3	1.6E-3	6.4E-3	1.9E-3
121-82-4	B119120	Nitroaromatics	RDX	2 / 5	0.40	1.30E-01	--	8.50E-02	0	1.30E-01	8.50E-02	8.4E-3	5.5E-3	7.7E-3	5.0E-3	0	0	1.7E-2	1.1E-2	0	0	7.1E-3	4.7E-3	2.3E-3	1.5E-3	5.3E-3	3.5E-3
92-52-4	B119120	SVOC	1,1'-Biphenyl	3 / 4	0.75	1.40E-01	--	6.91E-02	0	1.40E-01	6.91E-02	0	0	0	0	0	0	1.2E-2	5.7E-3	0	0	1.9E-3	9.3E-4	1.6E-3	7.7E-4	1.9E-3	9.4E-4
90-12-0	B119120	SVOC	1-Methylnaphthalene	3 / 4	0.75	2.30E-01	--	1.18E-01	0	2.30E-01	1.18E-01	0	0	0	0	0	0	1.9E-2	9.8E-3	0	0	3.1E-3	1.6E-3	2.6E-3	1.3E-3	3.1E-3	1.6E-3
91-57-6	B119120	SVOC	2-Methyl naphthalene	3 / 4	0.75	3.10E-01	--	1.48E-01	0	3.10E-01	1.48E-01	0	0	0	0	0	0	2.6E-2	1.2E-2	0	0	4.2E-3	2.0E-3	3.5E-3	1.7E-3	4.2E-3	2.0E-3
83-32-9	B119120	SVOC	Acenaphthene	3 / 4	0.75	2.50E+00	--	1.21E+00	0	2.50E+00	1.21E+00	0	0	0	0	0	0	2.1E-1	1.0E-1	0	0	3.4E-2	1.6E-2	2.8E-2	1.4E-2	3.4E-2	1.6E-2
208-96-8	B119120	SVOC	Acenaphthylene	3 / 4	0.75	1.00E-01	--	6.86E-02	0	1.00E-01	6.86E-02	0	0	0	0	0	0	8.3E-3	5.7E-3	0	0	1.3E-3	9.2E-4	1.1E-3	7.7E-4	1.4E-3	9.3E-4
120-12-7	B119120	SVOC	Anthracene	4 / 4	1.00	5.00E+00	--	2.69E+00	0	5.00E+00	2.69E+00	0	0	0	0	0	0	4.1E-1	2.2E-1	0	0	6.7E-2	3.6E-2	5.6E-2	3.0E-2	6.8E-2	3.7E-2
56-55-3	B119120	SVOC	Benzo(a)anthracene	4 / 4	1.00	1.00E+01	--	6.04E+00	0	1.00E+01	6.04E+00	0	0	0	0	0	0	8.3E-1	5.0E-1	0	0	1.3E-1	8.1E-2	1.1E-1	6.8E-2	1.4E-1	8.2E-2
50-32-8	B119120	SVOC	Benzo(a)pyrene	4 / 4	1.00	9.00E+00	--	5.54E+00	0	9.00E+00	5.54E+00	0	0	0	0	0	0	7.5E-1	4.6E-1	0	0	1.2E-1	7.5E-2	1.0E-1	6.2E-2	1.2E-1	7.5E-2
205-99-2	B119120	SVOC	Benzo(b)fluoranthene	4 / 4	1.00	1.10E+01	--	6.80E+00	0	1.10E+01	6.80E+00	0	0	0	0	0	0	9.1E-1	5.6E-1	0	0	1.5E-1	9.1E-2	1.2E-1	7.6E-2	1.5E-1	9.3E-2
191-24-2	B119120	SVOC	Benzo(g,h,i)perylene	4 / 4	1.00	6.10E+00	--	3.91E+00	0	6.10E+00	3.91E+00	0	0	0	0	0	0	5.1E-1	3.2E-1	0	0	8.2E-2	5.3E-2	6.8E-2	4.4E-2	8.3E-2	5.3E-2
207-08-9	B119120	SVOC	Benzo(k)fluoranthene	4 / 4	1.00	4.40E+00	--	2.72E+00	0	4.40E+00	2.72E+00	0	0	0	0	0	0	3.6E-1	2.3E-1	0	0	5.9E-2	3.7E-2	4.9E-2	3.0E-2	6.0E-2	3.7E-2
117-81-7	B119120	SVOC	bis (2-Ethylhexyl) phthalat	1 / 4	0.25	3.10E-01	--	1.08E-01	0	3.10E-01	1.08E-01	0	0	0	0	0	0	2.6E-2	8.9E-3	0	0	4.2E-3	1.4E-3	3.5E-3	1.2E-3	4.2E-3	1.5E-3
86-74-8	B119120	SVOC	Carbazole	3 / 4	0.75	2.40E+00	--	1.33E+00	0	2.40E+00	1.33E+00	0	0	0	0	0	0	2.0E-1	1.1E-1	0	0	3.2E-2	1.8E-2	2.7E-2	1.5E-2	3.3E-2	1.8E-2
218-01-9	B119120	SVOC	Chrysene	4 / 4	1.00	9.70E+00	--	5.71E+00	0	9.70E+00	5.71E+00	0	0	0	0	0	0	8.0E-1	4.7E-1	0	0	1.3E-1	7.7E-2	1.1E-1	6.4E-2	1.3E-1	7.8E-2
53-70-3	B119120	SVOC	Dibenzo(a,h)anthracene	3 / 4	0.75	1.70E+00	--	9.50E-01	0	1.70E+00	9.50E-01	0	0	0	0	0	0	1.4E-1	7.9E-2	0	0	2.3E-2	1.3E-2	1.9E-2	1.1E-2	2.3E-2	1.3E-2
132-64-9	B119120	SVOC	Dibenzofuran	3 / 4	0.75	1.30E+00	--	6.28E-01	0	1.30E+00	6.28E-01	0	0	0	0	0	0	1.1E-1	5.2E-2	0	0	1.7E-2	8.4E-3	1.5E-2	7.0E-3	1.8E-2	8.6E-3
206-44-0	B119120	SVOC	Fluoranthene	4 / 4	1.00	2.40E+01	--	1.41E+01	0	2.40E+01	1.41E+01	0	0	0	0	0	0	2.0E+0	1.2E+0	0	0	3.2E-1	1.9E-1	2.7E-1	1.6E-1	3.3E-1	1.9E-1
86-73-7	B119120	SVOC	Fluorene	3 / 4	0.75	2.40E+00	--	1.16E+00	0	2.40E+00	1.16E+00	0	0	0	0	0	0	2.0E-1	9.6E-2	0	0	3.2E-2	1.6E-2	2.7E-2	1.3E-2	3.3E-2	1.6E-2
193-39-5	B119120	SVOC	Indeno(1,2,3-c,d)pyrene	4 / 4	1.00	5.40E+00	--	3.50E+00	0	5.40E+00	3.50E+00	0	0	0	0	0	0	4.5E-1	2.9E-1	0	0	7.3E-2	4.7E-2	6.0E-2	3.9E-2	7.4E-2	4.8E-2
130498-29-2H	B119120	SVOC	PAHs (High MW)	4 / 4	1.00	1.01E+02	--	6.08E+01	0	101	61	2.2E+0	1.3E+0	4.2E+1	2.5E+1	0	0	3.2E+1	1.9E+1	0	0	1.6E+1	9.8E+0	5.9E+0	3.5E+0	1.8E+1	1.1E+1
130498-29-2L	B119120	SVOC	PAHs (Low MW)	4 / 7	0.57	2.85E+01	1.78E+01	8.67E+00	0	2.85E+01	1.78E+01	1.8E-1	1.5E-1	1.4E+1	8.6E+0	0	0	9.9E+0	6.2E+0	0	0	5.1E+0	3.2E+0	1.9E+0	1.2E+0	5.9E+0	3.7E+0
130498-29-2	B119120	SVOC	PAHs (total)	4 / 7	0.57	1.30E+02	8.73E+01	4.34E+01	0	1.30E+02	8.73E+01	0	0	0	0	0	0	1.1E+1	7.2E+0	0	0	1.7E+0	1.2E+0	1.5E+0	9.8E-1	1.8E+0	1.2E+0
85-01-8	B119120	SVOC	Phenanthrene	4 / 4	1.00	1.80E+01	--	9.80E+00	0	1.80E+01	9.80E+00	0	0	0	0	0	0	1.5E+0	8.1E-1	0	0	2.4E-1	1.3E-1	2.0E-1	1.1E-1	2.5E-1	1.3E-1
108-95-2	B119120	SVOC	Phenol	1 / 4	0.25	4.70E-02	--	2.66E-02	0	4.70E-02	2.66E-02	3.9E-2	2.2E-2	8.4E-3	4.8E-3	0	0	2.0E-2	1.1E-2	0	0	1.7E-2	9.4E-3	1.5E-3	8.3E-4	6.2E-3	3.5E-3
129-00-0	B119120	SVOC	Pyrene	4 / 4	1.00	2.00E+01	--	1.16E+01	0	2.00E+01	1.16E+01	0	0	0	0	0	0	1.7E+0	9.6E-1	0	0	2.7E-1	1.6E-1	2.2E-1	1.3E-1	2.7E-1	1.6E-1
108-94-1	B119120	VOC	Cyclohexanone	1 / 3	0.33	4.20E-02	--	2.47E-02	0	4.20E-02	2.47E-02	0	0	0	0	0	0	3.5E-3	2.0E-3	0	0	5.7E-4	3.3E-4	4.7E-4	2.8E-4	5.7E-4	3.4E-4
75-09-2	B119120	VOC	Methylene chloride	1 / 3	0.33	6.00E-03	--	3.00E-03	0	6.00E-03	3.00E-03	0	0	0	0	0	0	5.0E-4	2.5E-4	0	0	8.1E-5	4.0E-5	6.7E-5	3.4E-5	8.2E-5	4.1E-5

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
108-88-3	B119120	VOC	Toluene	1	/	3	0.33	2.00E-03	--	1.00E-03	0	2.00E-03	1.00E-03	0	0	0	0	0	0	1.7E-4	8.3E-5	0	0	2.7E-5	1.3E-5	2.2E-5	1.1E-5	2.7E-5	1.4E-5
7429-90-5	B122	INORG	Aluminum	9	/	9	1.00	4.38E+04	3.40E+04	2.57E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B122	INORG	Arsenic	4	/	9	0.44	6.11E+00	--	2.76E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B122	INORG	Barium	9	/	9	1.00	9.08E+01	--	6.89E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B122	INORG	Beryllium	8	/	9	0.89	9.29E-01	--	5.21E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B122	INORG	Boron	3	/	9	0.33	2.00E+00	1.52E+00	8.46E-01	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B122	INORG	Cadmium	7	/	9	0.78	2.81E+00	1.36E+00	9.16E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B122	INORG	Chromium	9	/	9	1.00	7.79E+01	4.64E+01	3.55E+01	6.03E+01	1.76E+01	0 <BKG	1.1E-1	0	8.6E-1	0	6.1E-1	0	1.9E+0	0	2.0E-1	0	5.6E-1	0	4.0E-1	0	6.6E-1	0
7440-48-4	B122	INORG	Cobalt	9	/	9	1.00	9.26E+00	--	5.04E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B122	INORG	Copper	9	/	9	1.00	4.15E+01	2.41E+01	1.72E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B122	INORG	Lead	9	/	9	1.00	3.87E+01	2.03E+01	1.45E+01	1.28E+01	2.59E+01	7.54E+00	2.5E-1	1.2E-1	1.8E+0	6.6E-1	1.5E+0	8.4E-1	3.2E+0	1.0E+0	4.7E-1	2.7E-1	1.0E+0	3.6E-1	7.3E-1	3.0E-1	1.2E+0	4.7E-1
7439-93-2	B122	INORG	Lithium	9	/	9	1.00	1.43E+01	9.04E+00	6.97E+00	1.21E+01	2.18E+00	0 <BKG	0	0	0	0	0	0	1.8E-1	0	0	0	2.9E-2	0	2.4E-2	0	3.0E-2	0
7439-96-5	B122	INORG	Manganese	7	/	7	1.00	3.31E+02	2.34E+02	1.91E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B122	INORG	Mercury	7	/	9	0.78	2.40E-01	1.31E-01	7.74E-02	9.20E-02	1.48E-01	3.90E-02	0	0	0	0	0	0	1.2E-2	3.2E-3	0	0	2.0E-3	5.2E-4	1.7E-3	4.4E-4	2.0E-3	5.3E-4
7440-02-0	B122	INORG	Nickel	9	/	9	1.00	1.44E+01	--	9.69E+00	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B122	INORG	Selenium	1	/	9	0.11	3.19E+00	--	8.74E-01	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B122	INORG	Silver	2	/	9	0.22	4.76E-01	--	1.70E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B122	INORG	Strontium	9	/	9	1.00	4.98E+01	--	1.11E+01	1.59E+01	3.39E+01	0 <BKG	0	0	0	0	0	0	2.8E+0	0	0	0	4.6E-1	0	3.8E-1	0	4.6E-1	0
7440-31-5	B122	INORG	Tin	3	/	9	0.33	3.29E+00	--	1.97E+00	5.26E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B122	INORG	Titanium	9	/	9	1.00	7.96E+02	--	6.51E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B122	INORG	Vanadium	9	/	9	1.00	8.49E+01	6.25E+01	4.81E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B122	INORG	Zinc	9	/	9	1.00	1.85E+02	1.21E+02	6.71E+01	8.96E+01	9.55E+01	3.17E+01	9.1E+0	4.9E+0	6.1E+1	4.3E+1	3.5E+1	3.2E+1	4.3E+1	2.7E+1	1.1E+1	1.0E+1	2.5E+1	1.6E+1	1.4E+1	1.1E+1	3.0E+1	2.1E+1
90-12-0	B122	SVOC	1-Methylnaphthalene	1	/	9	0.11	6.70E-02	--	2.53E-02	0	6.70E-02	2.53E-02	0	0	0	0	0	0	5.5E-3	2.1E-3	0	0	9.0E-4	3.4E-4	7.5E-4	2.8E-4	9.1E-4	3.5E-4
91-57-6	B122	SVOC	2-Methyl naphthalene	1	/	9	0.11	9.00E-02	--	2.79E-02	0	9.00E-02	2.79E-02	0	0	0	0	0	0	7.5E-3	2.3E-3	0	0	1.2E-3	3.8E-4	1.0E-3	3.1E-4	1.2E-3	3.8E-4
56-55-3	B122	SVOC	Benzo(a)anthracene	1	/	9	0.11	1.00E-01	--	2.92E-02	0	1.00E-01	2.92E-02	0	0	0	0	0	0	8.3E-3	2.4E-3	0	0	1.3E-3	3.9E-4	1.1E-3	3.3E-4	1.4E-3	4.0E-4
50-32-8	B122	SVOC	Benzo(a)pyrene	1	/	9	0.11	1.10E-01	--	3.03E-02	0	1.10E-01	3.03E-02	0	0	0	0	0	0	9.1E-3	2.5E-3	0	0	1.5E-3	4.1E-4	1.2E-3	3.4E-4	1.5E-3	4.1E-4
205-99-2	B122	SVOC	Benzo(b)fluoranthene	1	/	9	0.11	2.00E-01	--	4.03E-02	0	2.00E-01	4.03E-02	0	0	0	0	0	0	1.7E-2	3.3E-3	0	0	2.7E-3	5.4E-4	2.2E-3	4.5E-4	2.7E-3	5.5E-4
191-24-2	B122	SVOC	Benzo(g,h,i)perylene	1	/	9	0.11	5.40E-02	--	2.41E-02	0	5.40E-02	2.41E-02	0	0	0	0	0	0	4.5E-3	2.0E-3	0	0	7.3E-4	3.2E-4	6.0E-4	2.7E-4	7.4E-4	3.3E-4
207-08-9	B122	SVOC	Benzo(k)fluoranthene	1	/	9	0.11	8.40E-02	--	2.74E-02	0	8.40E-02	2.74E-02	0	0	0	0	0	0	7.0E-3	2.3E-3	0	0	1.1E-3	3.7E-4	9.4E-4	3.1E-4	1.1E-3	3.7E-4
117-81-7	B122	SVOC	bis (2-Ethylhexyl) phthalat	1	/	9	0.11	1.10E-01	--	4.86E-02	0	1.10E-01	4.86E-02	0	0	0	0	0	0	9.1E-3	4.0E-3	0	0	1.5E-3	6.5E-4	1.2E-3	5.4E-4	1.5E-3	6.6E-4
218-01-9	B122	SVOC	Chrysene	1	/	9	0.11	1.30E-01	--	3.25E-02	0	1.30E-01	3.25E-02	0	0	0	0	0	0	1.1E-2	2.7E-3	0	0	1.7E-3	4.4E-4	1.5E-3	3.6E-4	1.8E-3	4.4E-4
206-44-0	B122	SVOC	Fluoranthene	1	/	9	0.11	1.00E-01	--	2.92E-02	0	1.00E-01	2.92E-02	0	0	0	0	0	0	8.3E-3	2.4E-3	0	0	1.3E-3	3.9E-4	1.1E-3	3.3E-4	1.4E-3	4.0E-4
193-39-5	B122	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	9	0.11	4.90E-02	--	2.35E-02	0	4.90E-02	2.35E-02	0	0	0	0	0	0	4.1E-3	1.9E-3	0	0	6.6E-4	3.2E-4	5.5E-4	2.6E-4	6.7E-4	3.2E-4
130498-29-2H	B122	SVOC	PAHs (High MW)	1	/	9	0.11	1.07E+00	--	1.37E-01	0	1	0	2.9E-2	4.2E-3	4.4E-1	5.7E-2	0	0	3.4E-1	4.3E-2	0	0	1.7E-1	2.2E-2	6.2E-2	7.9E-3	1.9E-1	2.5E-2
130498-29-2L	B122	SVOC	PAHs (Low MW)	1	/	18	0.06	2.67E-01	--	2.40E-02	0	2.67E-01	2.40E-02	2.2E-2	7.4E-3	1.3E-1	1.2E-2	0	0	9.8E-2	1.0E-2	0	0	5.5E-2	6.7E-3	1.8E-2	1.6E-3	5.6E-2	5.4E-3
130498-29-2	B122	SVOC	PAHs (total)	2	/	18	0.11	1.21E+00	5.19E-01	1.02E-01	0	1.21E+00	5.19E-01	0	0	0	0	0	0	1.0E-1	4.3E-2	0	0	1.6E-2	7.0E-3	1.4E-2	5.8E-3	1.6E-2	7.1E-3
129-00-0	B122	SVOC	Pyrene	1	/	9	0.11	2.20E-01	--	4.25E-02	0	2.20E-01	4.25E-02	0	0	0	0	0	0	1.8E-2	3.5E-3	0	0	3.0E-3	5.7E-4	2.5E-3	4.8E-4	3.0E-3	5.8E-4
67-64-1	B122	VOC	Acetone	1	/	9	0.11	2.70E-02	--	6.89E-03	0	2.70E-02	6.89E-03	0	0	0	0	0	0	2.2E-3	5.7E-4	0	0	3.6E-4	9.3E-5	3.0E-4	7.7E-5	3.7E-4	9.4E-5
75-09-2	B122	VOC	Methylene chloride	7	/	9	0.78	8.00E-03	--	3.39E-03	0	8.00E-03	3.39E-03	0	0	0	0	0	0	6.6E-4	2.8E-4	0	0	1.1E-4	4.6E-5	9.0E-5	3.8E-5	1.1E-4	4.6E-5
99-87-6	B122	VOC	p-Isopropyltoluene	1	/	9	0.11	1.20E-02	--	1.78E-03	0	1.20E-02	1.78E-03	0	0	0	0	0	0	9.9E-4	1.5E-4	0	0	1.6E-4	2.4E-5	1.3E-4	2.0E-5	1.6E-4	2.4E-5
7429-90-5	B123	INORG	Aluminum	4	/	4	1.00	3.44E+04	--	2.61E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B123	INORG	Antimony	1	/	4	0.25	1.27E+00	--	1.99E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B123	INORG	Arsenic	1	/	4	0.25	2.17E+00	--	2.15E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B123	INORG	Barium	4	/	4	1.00	8.75E+01	--	5.92E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B123	INORG	Beryllium	4	/	4	1.00	6.59E-01	--	4.96E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B123	INORG	Boron	2	/	4	0.50	3.03E+01	--	1.46E+01	8.22E+00	2.21E+01	6.36E+00	0	0	0	0	0	0	1.8E+0	5.3E-1	0	0	3.0E-1	8.6E-2	2.5E-1	7.1E-2	3.0E-1	8.7E-2
7440-47-3	B123	INORG	Chromium	4	/	4	1.00	5.25E+01	--	3.55E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B123	INORG	Cobalt	4	/	4	1.00	3.95E+00	--	2.64E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B123	INORG	Copper	4	/	4	1.00	1.91E+01	--	1.27E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B123	INORG	Lead	4	/	4	1.00	2.47E+01	--	1.65E+01	1.28E+01	1.19E+01	3.66E+00	1.6E-1	8.2E-2	9.5E-1	3.7E-1	1.0E+0	6.1E-1	1.5E+0	5.2E-1	3.4E-1	2.0E-1	5.3E-1	2.0E-1	4.1E-1	1.8E-1	6.7E-1	2.7E-1
7439-93-2	B123	INORG	Lithium	1	/	1	1.00	9.30E+00	--	9.30E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B123	INORG	Manganese	4	/	4	1.00	1.36E+02	--	1.01E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B123	INORG	Mercury	4	/	4	1.00	1.24E-01	--	8.79E-02	9.20E-02	3.20E-02	0 <BKG	0	0	0	0	0	0	2.6E-3	0	0	0	4.3E-4	0	3.6E-4	0	4.4E-4	0
7439-98-7	B123	INORG	Molybdenum	1	/	4	0.25	5.62E-01	--	3.39E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B123	INORG	Nickel	4	/	4	1.00	1.49E+01	--	1.06E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B123	INORG	Perchlorate	2	/	4	0.50	7.60E-03	--	4.09E-03	0	7.60E-03	4.09E-03	0	0	0	0	0	0	6.3E-4	3.4E-4	0	0	1.0E-4	5.5E-5	8.5E-5	4.6E-5	1.0E-4	5.6E-5
7440-24-6	B123	INORG	Strontium	4	/	4	1.00	5.40E+00	--	4.38E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B123	INORG	Thallium	1	/	4	0.25	2.55E+00	--	3.07E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B123	INORG	Titanium	4	/	4	1.00	1.12E+03	--	7.25E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B123	INORG	Vanadium	4	/	4	1.00	7.59E+01	--	5.51E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B123	INORG	Zinc	4	/	4	1.00	6.62E+01	--	3.80E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206-44-0	B123	SVOC	Fluoranthene	1	/	4	0.25	4.80E-02	--	2.73E-02	0	4.80E-02	2.73E-02	0	0	0	0	0	0	4.0E-3	2.3E-3	0	0	6.5E-4	3.7E-4	5.4E-4	3.1E-4	6.5E-4	3.7E-4
130498-29-2H	B123	SVOC	PAHs (High MW)	1	/	4	0.25	2.68E-01	--	8.23E-02	0	0	0	7.9E-3	2.6E-3	1.1E-1	3.4E-2	0	0	8.4E-2	2.6E-2	0	0	4.4E-2	1.3E-2	1.5E-2	4.8E-3	4.8E-2	1.5E-2
130498-29-2	B123	SVOC	PAHs (total)	1	/	5	0.20	4.15E-01	--	9.53E-02	0	4.15E-01	9.53E-02	0	0	0	0	0	0	3.4E-2	7.9E-3	0	0	5.6E-3	1.3E-3	4.6E-3	1.1E-3	5.7E-3	1.3E-3
129-00-0	B123	SVOC	Pyrene	1	/	4	0.25	5.20E-02	--	2.83E-02	0	5.20E-02	2.83E-02	0	0	0	0	0	0	4.3E-3	2.3E-3	0	0	7.0E-4	3.8E-4	5.8E-4	3.2E-4	7.1E-4	3.8E-4
7429-90-5	B124135	INORG	Aluminum	10	/	10	1.00	3.99E+04	2.89E+04	2.46E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B124135	INORG	Antimony	4	/	10	0.40	3.53E+00	2.05E+00	1.17E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B124135	INORG	Barium	10	/	10	1.00	2.82E+02	--	1.61E+02	2.36E+02	4.62E+01	0 <BKG	1.1E+0	0	6.7E-1	0	5.0E-3	0	4.5E+0	0	1.6E-3	0	1.2E+0	0	5.9E-1	0	9.6E-1	0
7440-41-7	B124135	INORG	Beryllium	10	/	10	1.00	1.24E+00	--	5.63E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B124135	INORG	Boron	10	/	10	1.00	1.65E+01	1.37E+01	1.18E+01	8.22E+00	8.28E+00	5.46E+00	0	0	0	0	0	0	6.9E-1	4.5E-1	0	0	1.1E-1	7.4E-2	9.3E-2	6.1E-2	1.1E-1	7.4E-2
7440-43-9	B124135	INORG	Cadmium	10	/	10	1.00	1.35E+00	1.05E+00	9.12E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B124135	INORG	Chromium	10	/	10	1.00	3.71E+01	2.90E+01	2.60E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B124135	INORG	Cobalt	10	/	10	1.00	1.18E+01	--	9.28E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B124135	INORG	Copper	10	/	10	1.00	6.78E+03	7.42E+03	6.94E+02	5.28E+01	6.73E+03	6.41E+02	9.4E+0	3.7E+0	5.5E+2	5.3E+1	8.8E+0	6.3E+0	8.6E+2	8.3E+1	2.9E+0	2.0E+0	2.8E+2	2.8E+1	1.4E+2	1.4E+1	3.1E+2	3.1E+1
7439-92-1	B124135	INORG	Lead	10	/	10	1.00	5.27E+01	2.59E+01	1.31E+01	1.28E+01	3.99E+01	1.31E+01	3.1E-1	1.7E-1	2.5E+0	1.0E+0	1.8E+0	1.1E+0	4.8E+0	1.7E+0	5.7E-1	3.5E-1	1.5E+0	5.8E-1	1.0E+0	4.4E-1	1.8E+0	7.2E-1
7439-93-2	B124135	INORG	Lithium	10	/	10	1.00	1.29E+01	9.77E+00	8.35E+00	1.21E+01	7.83E-01	0 <BKG	0	0	0	0	0	0	6.5E-2	0	0	0	1.1E-2	0	8.8E-3	0	1.1E-2	0
7439-96-5	B124135	INORG	Manganese	10	/	10	1.00	1.19E+03	7.17E+02	5.40E+02	1.13E+03	6.29E+01	0 <BKG	7.4E-1	0	1.2E+0	0	4.1E-1	0	6.1E+0	0	1.3E-1	0	1.5E+0	0	9.1E-1	0	1.4E+0	0
7439-97-6	B124135	INORG	Mercury	10	/	10	1.00	3.40E-01	1.30E-01	6.62E-02	9.20E-02	2.48E-01	3.80E-02	0	0	0	0	0	0	2.1E-2	3.1E-3	0	0	3.3E-3	5.1E-4	2.8E-3	4.3E-4	3.4E-3	5.2E-4
7439-98-7	B124135	INORG	Molybdenum	1	/	10	0.10	6.17E-01	--	3.00E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B124135	INORG	Nickel	9	/	9	1.00	1.70E+01	--	1.34E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B124135	INORG	Selenium	2	/	10	0.20	1.54E+00	1.51E+00	7.75E-01	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B124135	INORG	Silver	1	/	10	0.10	4.39E-01	--	1.41E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B124135	INORG	Strontium	10	/	10	1.00	1.50E+01	--	8.45E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B124135	INORG	Thallium	9	/	10	0.90	4.60E+00	3.02E+00	2.44E+00	4.10E+00	5.02E-01	0 <BKG	0	0	0	0	0	0	4.2E-2	0	0	0	6.8E-3	0	5.6E-3	0	6.8E-3	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-32-6	B124135	INORG	Titanium	10	/	10	1.00	2.58E+03	1.83E+03	1.53E+03	2.31E+03	2.71E+02	0 <BKG	0	0	0	0	0	0	2.2E+1	0	0	0	3.6E+0	0	3.0E+0	0	3.7E+0	0
7440-62-2	B124135	INORG	Vanadium	10	/	10	1.00	6.15E+01	4.53E+01	3.97E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B124135	INORG	Zinc	10	/	10	1.00	1.06E+02	8.01E+01	6.70E+01	8.96E+01	1.65E+01	0 <BKG	3.4E+0	0	3.4E+1	0	3.1E+1	0	2.1E+1	0	1.0E+1	0	1.3E+1	0	9.2E+0	0	1.8E+1	0
117-81-7	B124135	SVOC	bis (2-Ethylhexyl) phthalat	1	/	10	0.10	9.50E-02	--	4.61E-02	0	9.50E-02	4.61E-02	0	0	0	0	0	0	7.9E-3	3.8E-3	0	0	1.3E-3	6.2E-4	1.1E-3	5.2E-4	1.3E-3	6.3E-4
108-95-2	B124135	SVOC	Phenol	1	/	10	0.10	3.80E-01	--	5.65E-02	0	3.80E-01	5.65E-02	3.2E-1	4.7E-2	6.8E-2	1.0E-2	0	0	1.6E-1	2.4E-2	0	0	1.3E-1	2.0E-2	1.2E-2	1.8E-3	5.0E-2	7.5E-3
67-64-1	B124135	VOC	Acetone	3	/	10	0.30	1.00E-01	--	1.61E-02	0	1.00E-01	1.61E-02	0	0	0	0	0	0	8.3E-3	1.3E-3	0	0	1.3E-3	2.2E-4	1.1E-3	1.8E-4	1.4E-3	2.2E-4
99-87-6	B124135	VOC	p-Isopropyltoluene	1	/	10	0.10	6.00E-03	--	1.05E-03	0	6.00E-03	1.05E-03	0	0	0	0	0	0	5.0E-4	8.7E-5	0	0	8.1E-5	1.4E-5	6.7E-5	1.2E-5	8.2E-5	1.4E-5
7429-90-5	B125136	INORG	Aluminum	11	/	11	1.00	6.32E+04	4.64E+04	3.93E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B125136	INORG	Antimony	6	/	11	0.55	3.17E+00	2.72E+00	2.00E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B125136	INORG	Arsenic	9	/	11	0.82	5.70E+00	--	4.21E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B125136	INORG	Barium	11	/	11	1.00	2.25E+02	--	1.19E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B125136	INORG	Beryllium	6	/	11	0.55	1.79E+00	--	7.66E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B125136	INORG	Boron	1	/	11	0.09	6.34E+00	--	1.90E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B125136	INORG	Cadmium	3	/	11	0.27	3.00E+00	2.20E+00	6.83E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B125136	INORG	Chromium	11	/	11	1.00	6.40E+01	4.58E+01	3.80E+01	6.03E+01	3.67E+00	0 <BKG	2.3E-2	0	1.8E-1	0	1.9E-1	0	4.1E-1	0	6.3E-2	0	1.2E-1	0	9.4E-2	0	1.4E-1	0
7440-48-4	B125136	INORG	Cobalt	11	/	11	1.00	2.17E+01	1.65E+01	1.26E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B125136	INORG	Copper	11	/	11	1.00	5.23E+01	3.81E+01	2.92E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B125136	INORG	Lead	11	/	11	1.00	1.81E+01	1.49E+01	1.33E+01	1.28E+01	5.31E+00	2.13E+00	1.0E-1	6.1E-2	4.9E-1	2.4E-1	7.2E-1	4.8E-1	7.4E-1	3.2E-1	2.4E-1	1.6E-1	2.7E-1	1.3E-1	2.4E-1	1.3E-1	3.6E-1	1.8E-1
7439-93-2	B125136	INORG	Lithium	11	/	11	1.00	1.88E+01	1.36E+01	1.13E+01	1.21E+01	6.68E+00	1.50E+00	0	0	0	0	0	0	5.5E-1	1.2E-1	0	0	9.0E-2	2.0E-2	7.5E-2	1.7E-2	9.1E-2	2.0E-2
7439-96-5	B125136	INORG	Manganese	8	/	8	1.00	1.29E+03	7.21E+02	4.54E+02	1.13E+03	1.63E+02	0 <BKG	1.9E+0	0	2.3E+0	0	1.1E+0	0	1.5E+1	0	3.5E-1	0	3.6E+0	0	2.3E+0	0	3.4E+0	0
7439-97-6	B125136	INORG	Mercury	11	/	11	1.00	1.32E-01	9.69E-02	5.96E-02	9.20E-02	4.00E-02	4.87E-03	0	0	0	0	0	0	3.3E-3	4.0E-4	0	0	5.4E-4	6.5E-5	4.5E-4	5.5E-5	5.4E-4	6.6E-5
7439-98-7	B125136	INORG	Molybdenum	1	/	11	0.09	1.91E+00	--	4.20E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B125136	INORG	Nickel	11	/	11	1.00	4.13E+01	2.55E+01	2.01E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B125136	INORG	Selenium	8	/	11	0.73	4.08E+00	3.19E+00	2.56E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B125136	INORG	Silver	10	/	11	0.91	1.06E+00	--	5.70E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B125136	INORG	Strontium	11	/	11	1.00	1.02E+01	--	5.50E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B125136	INORG	Titanium	11	/	11	1.00	2.84E+03	2.01E+03	1.62E+03	2.31E+03	5.31E+02	0 <BKG	0	0	0	0	0	0	4.4E+1	0	0	0	7.1E+0	0	5.9E+0	0	7.2E+0	0
7440-62-2	B125136	INORG	Vanadium	11	/	11	1.00	8.52E+01	6.85E+01	5.98E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B125136	INORG	Zinc	11	/	11	1.00	2.86E+02	1.27E+02	8.09E+01	8.96E+01	1.96E+02	3.76E+01	1.4E+1	5.4E+0	7.7E+1	4.5E+1	3.6E+1	3.2E+1	6.2E+1	2.9E+1	1.2E+1	1.1E+1	3.3E+1	1.7E+1	1.7E+1	1.1E+1	3.8E+1	2.2E+1
92-52-4	B125136	SVOC	1,1'-Biphenyl	1	/	11	0.09	6.70E-02	--	2.51E-02	0	6.70E-02	2.51E-02	0	0	0	0	0	0	5.5E-3	2.1E-3	0	0	9.0E-4	3.4E-4	7.5E-4	2.8E-4	9.1E-4	3.4E-4
90-12-0	B125136	SVOC	1-Methylnaphthalene	1	/	11	0.09	1.60E-01	--	3.36E-02	0	1.60E-01	3.36E-02	0	0	0	0	0	0	1.3E-2	2.8E-3	0	0	2.2E-3	4.5E-4	1.8E-3	3.8E-4	2.2E-3	4.6E-4
91-57-6	B125136	SVOC	2-Methyl naphthalene	1	/	11	0.09	2.90E-01	--	4.54E-02	0	2.90E-01	4.54E-02	0	0	0	0	0	0	2.4E-2	3.8E-3	0	0	3.9E-3	6.1E-4	3.2E-3	5.1E-4	4.0E-3	6.2E-4
83-32-9	B125136	SVOC	Acenaphthene	1	/	11	0.09	1.10E+00	--	1.19E-01	0	1.10E+00	1.19E-01	0	0	0	0	0	0	9.1E-2	9.9E-3	0	0	1.5E-2	1.6E-3	1.2E-2	1.3E-3	1.5E-2	1.6E-3
120-12-7	B125136	SVOC	Anthracene	1	/	11	0.09	1.60E+00	--	1.64E-01	0	1.60E+00	1.64E-01	0	0	0	0	0	0	1.3E-1	1.4E-2	0	0	2.2E-2	2.2E-3	1.8E-2	1.8E-3	2.2E-2	2.2E-3
56-55-3	B125136	SVOC	Benzo(a)anthracene	2	/	11	0.18	2.50E+00	--	2.53E-01	0	2.50E+00	2.53E-01	0	0	0	0	0	0	2.1E-1	2.1E-2	0	0	3.4E-2	3.4E-3	2.8E-2	2.8E-3	3.4E-2	3.4E-3
50-32-8	B125136	SVOC	Benzo(a)pyrene	2	/	11	0.18	1.60E+00	--	1.69E-01	0	1.60E+00	1.69E-01	0	0	0	0	0	0	1.3E-1	1.4E-2	0	0	2.2E-2	2.3E-3	1.8E-2	1.9E-3	2.2E-2	2.3E-3
205-99-2	B125136	SVOC	Benzo(b)fluoranthene	2	/	11	0.18	2.00E+00	--	2.07E-01	0	2.00E+00	2.07E-01	0	0	0	0	0	0	1.7E-1	1.7E-2	0	0	2.7E-2	2.8E-3	2.2E-2	2.3E-3	2.7E-2	2.8E-3
191-24-2	B125136	SVOC	Benzo(g,h,i)perylene	2	/	11	0.18	9.70E-01	--	1.10E-01	0	9.70E-01	1.10E-01	0	0	0	0	0	0	8.0E-2	9.1E-3	0	0	1.3E-2	1.5E-3	1.1E-2	1.2E-3	1.3E-2	1.5E-3
207-08-9	B125136	SVOC	Benzo(k)fluoranthene	1	/	11	0.09	9.20E-01	--	1.03E-01	0	9.20E-01	1.03E-01	0	0	0	0	0	0	7.6E-2	8.5E-3	0	0	1.2E-2	1.4E-3	1.0E-2	1.2E-3	1.3E-2	1.4E-3
86-74-8	B125136	SVOC	Carbazole	1	/	11	0.09	1.10E+00	--	1.19E-01	0	1.10E+00	1.19E-01	0	0	0	0	0	0	9.1E-2	9.9E-3	0	0	1.5E-2	1.6E-3	1.2E-2	1.3E-3	1.5E-2	1.6E-3
218-01-9	B125136	SVOC	Chrysene	2	/	11	0.18	2.60E+00	--	2.61E-01	0	2.60E+00	2.61E-01	0	0	0	0	0	0	2.2E-1	2.2E-2	0	0	3.5E-2	3.5E-3	2.9E-2	2.9E-3	3.5E-2	3.6E-3
53-70-3	B125136	SVOC	Dibenzo(a,h)anthracene	1	/	11	0.09	3.20E-01	--	4.81E-02	0	3.20E-01	4.81E-02	0	0	0	0	0	0	2.7E-2	4.0E-3	0	0	4.3E-3	6.5E-4	3.6E-3	5.4E-4	4.4E-3	6.6E-4
132-64-9	B125136	SVOC	Dibenzofuran	1	/	11	0.09	5.50E-01	--	6.90E-02	0	5.50E-01	6.90E-02	0	0	0	0	0	0	4.6E-2	5.7E-3	0	0	7.4E-3	9.3E-4	6.2E-3	7.7E-4	7.5E-3	9.4E-4
206-44-0	B125136	SVOC	Fluoranthene	3	/	11	0.27	4.80E+00	--	4.69E-01	0	4.80E+00	4.69E-01	0	0	0	0	0	0	4.0E-1	3.9E-2	0	0	6.5E-2	6.3E-3	5.4E-2	5.3E-3	6.5E-2	6.4E-3
86-73-7	B125136	SVOC	Fluorene	1	/	11	0.09	9.10E-01	--	1.02E-01	0	9.10E-01	1.02E-01	0	0	0	0	0	0	7.5E-2	8.4E-3	0	0	1.2E-2	1.4E-3	1.0E-2	1.1E-3	1.2E-2	1.4E-3
193-39-5	B125136	SVOC	Indeno(1,2,3-c,d)pyrene	2	/	11	0.18	9.60E-01	--	1.08E-01	0	9.60E-01	1.08E-01	0	0	0	0	0	0	8.0E-2	9.0E-3	0	0	1.3E-2	1.5E-3	1.1E-2	1.2E-3	1.3E-2	1.5E-3
130498-29-2H	B125136	SVOC	PAHs (High MW)	3	/	11	0.27	2.06E+01	6.04E+00	1.98E+00	0	21	6	4.8E-1	1.5E-1	8.6E+0	2.5E+0	0	0	6.4E+0	1.9E+0	0	0	3.3E+0	9.8E-1	1.2E+0	3.5E-1	3.7E+0	1.1E+0
130498-29-2L	B125136	SVOC	PAHs (Low MW)	2	/	14	0.14	8.88E+00	--	6.65E-01	0	8.88E+00	6.65E-01	1.1E-1	3.3E-2	4.3E+0	3.2E-1	0	0	3.1E+0	2.4E-1	0	0	1.6E+0	1.3E-1	5.8E-1	4.4E-2	1.8E+0	1.4E-1
130498-29-2	B125136	SVOC	PAHs (total)	3	/	14	0.21	2.95E+01	2.69E+01	2.21E+00	0	2.95E+01	2.69E+01	0	0	0	0	0	0	2.4E+0	2.2E+0	0	0	4.0E-1	3.6E-1	3.3E-1	3.0E-1	4.0E-1	3.7E-1
85-01-8	B125136	SVOC	Phenanthrene	2	/	11	0.18	4.80E+00	--	4.64E-01	0	4.80E+00	4.64E-01	0	0	0	0	0	0	4.0E-1	3.8E-2	0	0	6.5E-2	6.2E-3	5.4E-2	5.2E-3	6.5E-2	6.3E-3
129-00-0	B125136	SVOC	Pyrene	2	/	11	0.18	3.90E+00	--	3.84E-01	0	3.90E+00	3.84E-01	0	0	0	0	0	0	3.2E-1	3.2E-2	0	0	5.2E-2	5.2E-3	4.4E-2	4.3E-3	5.3E-2	5.2E-3
71-43-2	B125136	VOC	Benzene	1	/	3	0.33	7.00E-04	--	4.33E-04	0	7.00E-04	4.33E-04	0	0	0	0	0	0	5.8E-5	3.6E-5	0	0	9.4E-6	5.8E-6	7.8E-6	4.9E-6	9.5E-6	5.9E-6
7429-90-5	B134	INORG	Aluminum	4	/	4	1.00	6.01E+04	--	3.38E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B134	INORG	Antimony	2	/	4	0.50	2.44E+00	--	1.36E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B134	INORG	Arsenic	4	/	4	1.00	4.22E+00	--	3.32E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B134	INORG	Barium	4	/	4	1.00	4.94E+02	--	2.04E+02	2.36E+02	2.58E+02	0 <BKG	6.0E+0	0	3.8E+0	0	2.8E-2	0	2.5E+1	0	9.2E-3	0	6.8E+0	0	3.3E+0	0	5.4E+0	0
7440-41-7	B134	INORG	Beryllium	2	/	4	0.50	9.13E-01	--	5.89E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B134	INORG	Chromium	4	/	4	1.00	4.99E+01	--	2.73E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B134	INORG	Cobalt	4	/	4	1.00	2.84E+01	--	1.46E+01	2.73E+01	1.10E+00	0 <BKG	1.2E-3	0	2.2E-2	0	4.2E-3	0	1.0E-1	0	1.4E-3	0	2.3E-2	0	1.5E-2	0	2.4E-2	0
7440-50-8	B134	INORG	Copper	4	/	4	1.00	5.02E+01	--	3.07E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B134	INORG	Lead	4	/	4	1.00	2.00E+01	--	1.41E+01	1.28E+01	7.21E+00	1.31E+00	1.2E-1	4.6E-2	6.3E-1	1.6E-1	8.3E-1	3.9E-1	9.7E-1	2.1E-1	2.7E-1	1.3E-1	3.5E-1	8.7E-2	2.9E-1	9.8E-2	4.5E-1	1.3E-1
7439-93-2	B134	INORG	Lithium	4	/	4	1.00	1.01E+01	--	5.75E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B134	INORG	Manganese	4	/	4	1.00	4.74E+03	--	1.38E+03	1.13E+03	3.61E+03	2.57E+02	4.3E+1	3.0E+0	1.9E+1	3.1E+0	2.4E+1	1.7E+0	3.2E+2	2.4E+1	7.7E+0	5.5E-1	6.9E+1	5.5E+0	4.7E+1	3.5E+0	6.2E+1	5.1E+0
7439-97-6	B134	INORG	Mercury	1	/	4	0.25	5.96E-02	--	2.00E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B134	INORG	Nickel	4	/	4	1.00	2.76E+01	--	1.67E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B134	INORG	Selenium	4	/	4	1.00	5.93E+00	--	2.93E+00	5.23E+00	7.01E-01	0 <BKG	5.1E-2	0	1.1E-1	0	1.8E-1	0	1.3E-1	0	6.0E-2	0	6.5E-2	0	5.2E-2	0	7.9E-2	0
7440-22-4	B134	INORG	Silver	3	/	4	0.75	1.38E+00	--	5.97E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B134	INORG	Strontium	4	/	4	1.00	7.33E+00	--	4.94E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B134	INORG	Titanium	4	/	4	1.00	1.94E+03	--	1.53E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B134	INORG	Vanadium	4	/	4	1.00	9.55E+01	--	4.81E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B134	INORG	Zinc	4	/	4	1.00	9.27E+01	--	5.99E+01	8.96E+01	3.15E+00	0 <BKG	1.4E+0	0	2.0E+1	0	2.7E+1	0	1.1E+1	0	8.9E+0	0	7.2E+0	0	6.8E+0	0	1.1E+1	0
7429-90-5	B142	INORG	Aluminum	4	/	4	1.00	4.58E+04	--	3.54E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B142	INORG	Arsenic	4	/	4	1.00	3.05E+00	--	2.45E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B142	INORG	Barium	4	/	4	1.00	2.83E+02	--	2.09E+02	2.36E+02	4.72E+01	0 <BKG	1.1E+0	0	6.9E-1	0	5.2E-3	0	4.6E+0	0	1.7E-3	0	1.2E+0	0	6.1E-1	0	9.8E-1	0
7440-41-7	B142	INORG	Beryllium	4	/	4	1.00	1.91E+00	--	1.28E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B142	INORG	Boron	3	/	4	0.75	8.26E+00	--	3.86E+00	8.22E+00	4.33E-02	0 <BKG	0	0	0	0	0	0	3.6E-3	0	0	0	5.8E-4	0	4.9E-4	0	5.9E-4	0
7440-43-9	B142	INORG	Cadmium	2	/	4	0.50	6.16E-01	--	2.97E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B142	INORG	Chromium	4	/	4	1.00	4.72E+01	--	3.28E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B142	INORG	Cobalt	4	/	4	1.00	2.76E+01	--	2.23E+01	2.73E+01	3.03E-01	0 <BKG	3.4E-4	0	5.9E-3	0	7.7E-4	0	2.8E-2	0	2.5E-4	0	6.2E-3	0	4.2E-3	0	6.6E-3	0
7440-50-8	B142	INORG	Copper	4	/	4	1.00	5.73E+01	--	4.51E+01	5.28E+01	4.53E+00	0 <BKG	5.3E-1	0	3.7E-1	0	3.1E+0	0	7.3E-1	0	1.0E+0	0	3.7E-1	0	6.1E-1	0	5.9E-1	0
7439-92-1	B142	INORG	Lead	4	/	4	1.00	1.81E+01	--	1.07E+01	1.28E+01	5.26E+00	0 <BKG	1.0E-1	0	4.9E-1	0	7.2E-1	0	7.3E-1	0	2.3E-1	0	2.7E-1	0	2.3E-1	0	3.5E-1	0
7439-93-2	B142	INORG	Lithium	4	/	4	1.00	3.90E+00	--	3.49E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B142	INORG	Manganese	4	/	4	1.00	1.74E+03	--	1.10E+03	1.13E+03	6.13E+02	0 <BKG	7.3E+0	0	5.7E+0	0	4.0E+0	0	5.6E+1	0	1.3E+0	0	1.3E+1	0	8.2E+0	0	1.1E+1	0
7439-97-6	B142	INORG	Mercury	1	/	4	0.25	3.27E-02	--	1.38E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7439-98-7	B142	INORG	Molybdenum	2	/	4	0.50	8.45E-01	--	5.62E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B142	INORG	Nickel	4	/	4	1.00	4.31E+01	--	3.19E+01	4.23E+01	8.50E-01	0 <BKG	1.4E-2	0	2.7E-3	0	2.3E-1	0	7.6E-2	0	7.6E-2	0	1.7E-2	0	4.9E-2	0	4.0E-2	0
7440-24-6	B142	INORG	Strontium	4	/	4	1.00	2.77E+00	--	2.29E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B142	INORG	Titanium	4	/	4	1.00	7.96E+02	--	6.13E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B142	INORG	Vanadium	4	/	4	1.00	6.37E+01	--	4.84E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B142	INORG	Zinc	4	/	4	1.00	4.64E+01	--	4.39E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86-57-7	B142	Nitroaromatic	1-Nitronaphthalene	1	/	4	0.25	3.10E+00	--	8.26E-01	0	3.10E+00	8.26E-01	0	0	0	0	0	0	2.6E-1	6.8E-2	0	0	4.2E-2	1.1E-2	3.5E-2	9.3E-3	4.2E-2	1.1E-2
2691-41-0	B142	Nitroaromatic	HMX	1	/	4	0.25	1.40E+00	--	4.78E-01	0	1.40E+00	4.78E-01	0	0	0	0	0	0	1.2E-1	4.0E-2	0	0	1.9E-2	6.4E-3	1.6E-2	5.3E-3	1.9E-2	6.5E-3
121-82-4	B142	Nitroaromatic	RDX	2	/	4	0.50	5.40E+00	--	2.16E+00	0	5.40E+00	2.16E+00	3.5E-1	1.4E-1	3.2E-1	1.3E-1	0	0	7.2E-1	2.9E-1	0	0	3.0E-1	1.2E-1	9.6E-2	3.8E-2	2.2E-1	8.8E-2
72-54-8	B142	PEST	4,4'-DDD	1	/	2	0.50	1.10E-03	--	1.08E-03	0	1.10E-03	1.08E-03	0	0	2.0E-3	1.9E-3	9.5E-3	9.3E-3	1.2E-3	1.1E-3	3.1E-3	3.0E-3	6.8E-4	6.6E-4	1.8E-3	1.8E-3	1.9E-3	1.8E-3
50-29-3	B142	PEST	4,4'-DDT	1	/	2	0.50	2.90E-03	--	1.98E-03	0	2.90E-03	1.98E-03	0	0	5.2E-3	3.5E-3	2.5E-2	1.7E-2	3.0E-3	2.1E-3	8.2E-3	5.6E-3	1.8E-3	1.2E-3	4.8E-3	3.3E-3	5.0E-3	3.4E-3
57-74-9	B142	PEST	Chlordane (total)	1	/	2	0.50	6.00E-03	--	3.55E-03	0	6.00E-03	3.55E-03	2.2E-5	1.3E-5	1.3E-3	8.0E-4	6.5E-3	3.8E-3	1.2E-3	7.3E-4	2.1E-3	1.3E-3	5.4E-4	3.2E-4	1.3E-3	7.7E-4	1.4E-3	8.0E-4
115-29-7	B142	PEST	Endosulfan	2	/	2	1.00	5.50E-02	--	4.29E-02	0	5.50E-02	4.29E-02	2.8E-3	2.2E-3	1.2E-2	9.6E-3	6.0E-2	4.6E-2	1.2E-2	9.4E-3	1.9E-2	1.5E-2	5.8E-3	4.5E-3	1.2E-2	9.3E-3	1.3E-2	9.8E-3
72-20-8	B142	PEST	Endrin	1	/	2	0.50	2.50E-03	--	1.36E-03	0	2.50E-03	1.36E-03	8.4E-6	4.6E-6	5.6E-4	3.0E-4	2.7E-3	1.5E-3	5.1E-4	2.8E-4	8.8E-4	4.8E-4	2.2E-4	1.2E-4	5.5E-4	3.0E-4	5.6E-4	3.1E-4
58-89-9	B142	PEST	Lindane	1	/	2	0.50	3.20E-02	--	1.61E-02	0	3.20E-02	1.61E-02	1.3E-3	6.6E-4	7.2E-3	3.6E-3	3.5E-2	1.7E-2	6.9E-3	3.5E-3	1.1E-2	5.7E-3	3.3E-3	1.6E-3	7.0E-3	3.5E-3	7.3E-3	3.7E-3
72-43-5	B142	PEST	Methoxychlor	1	/	2	0.50	2.00E-01	--	1.01E-01	0	2.00E-01	1.01E-01	2.3E-3	1.2E-3	4.5E-2	2.3E-2	2.2E-1	1.1E-1	4.1E-2	2.1E-2	7.1E-2	3.5E-2	1.9E-2	9.3E-3	4.4E-2	2.2E-2	4.5E-2	2.3E-2
56-55-3	B142	SVOC	Benzo(a)anthracene	2	/	4	0.50	1.20E-01	--	7.09E-02	0	1.20E-01	7.09E-02	0	0	0	0	0	0	9.9E-3	5.9E-3	0	0	1.6E-3	9.5E-4	1.3E-3	7.9E-4	1.6E-3	9.7E-4
50-32-8	B142	SVOC	Benzo(a)pyrene	2	/	4	0.50	9.25E-02	--	5.50E-02	0	9.25E-02	5.50E-02	0	0	0	0	0	0	7.7E-3	4.6E-3	0	0	1.2E-3	7.4E-4	1.0E-3	6.2E-4	1.3E-3	7.5E-4
205-99-2	B142	SVOC	Benzo(b)fluoranthene	2	/	4	0.50	1.45E-01	--	7.71E-02	0	1.45E-01	7.71E-02	0	0	0	0	0	0	1.2E-2	6.4E-3	0	0	2.0E-3	1.0E-3	1.6E-3	8.6E-4	2.0E-3	1.1E-3
191-24-2	B142	SVOC	Benzo(g,h,i)perylene	1	/	4	0.25	4.70E-02	--	2.86E-02	0	4.70E-02	2.86E-02	0	0	0	0	0	0	3.9E-3	2.4E-3	0	0	6.3E-4	3.9E-4	5.3E-4	3.2E-4	6.4E-4	3.9E-4
207-08-9	B142	SVOC	Benzo(k)fluoranthene	2	/	4	0.50	5.90E-02	--	3.78E-02	0	5.90E-02	3.78E-02	0	0	0	0	0	0	4.9E-3	3.1E-3	0	0	7.9E-4	5.1E-4	6.6E-4	4.2E-4	8.0E-4	5.1E-4
218-01-9	B142	SVOC	Chrysene	2	/	4	0.50	1.29E-01	--	7.30E-02	0	1.29E-01	7.30E-02	0	0	0	0	0	0	1.1E-2	6.0E-3	0	0	1.7E-3	9.8E-4	1.4E-3	8.2E-4	1.8E-3	9.9E-4
206-44-0	B142	SVOC	Fluoranthene	3	/	4	0.75	1.70E-01	--	8.83E-02	0	1.70E-01	8.83E-02	0	0	0	0	0	0	1.4E-2	7.3E-3	0	0	2.3E-3	1.2E-3	1.9E-3	9.9E-4	2.3E-3	1.2E-3
193-39-5	B142	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	4	0.25	4.20E-02	--	2.74E-02	0	4.20E-02	2.74E-02	0	0	0	0	0	0	3.5E-3	2.3E-3	0	0	5.7E-4	3.7E-4	4.7E-4	3.1E-4	5.7E-4	3.7E-4
130498-29-2H	B142	SVOC	PAHs (High MW)	3	/	4	0.75	1.23E+00	--	6.05E-01	0	1	1	3.3E-2	1.7E-2	5.1E-1	2.5E-1	0	0	3.9E-1	1.9E-1	0	0	2.0E-1	9.9E-2	7.1E-2	3.5E-2	2.2E-1	1.1E-1
130498-29-2L	B142	SVOC	PAHs (Low MW)	2	/	8	0.25	2.25E-01	--	6.74E-02	0	2.25E-01	6.74E-02	2.0E-2	1.2E-2	1.1E-1	3.3E-2	0	0	8.3E-2	2.7E-2	0	0	4.7E-2	1.6E-2	1.5E-2	4.4E-3	4.8E-2	1.5E-2
130498-29-2	B142	SVOC	PAHs (total)	3	/	8	0.38	1.44E+00	9.53E-01	3.84E-01	0	1.44E+00	9.53E-01	0	0	0	0	0	0	1.2E-1	7.9E-2	0	0	1.9E-2	1.3E-2	1.6E-2	1.1E-2	2.0E-2	1.3E-2
85-01-8	B142	SVOC	Phenanthrene	2	/	4	0.50	8.10E-02	--	4.29E-02	0	8.10E-02	4.29E-02	0	0	0	0	0	0	6.7E-3	3.6E-3	0	0	1.1E-3	5.8E-4	9.1E-4	4.8E-4	1.1E-3	5.8E-4
129-00-0	B142	SVOC	Pyrene	3	/	4	0.75	1.65E-01	--	9.84E-02	0	1.65E-01	9.84E-02	0	0	0	0	0	0	1.4E-2	8.1E-3	0	0	2.2E-3	1.3E-3	1.8E-3	1.1E-3	2.2E-3	1.3E-3
95-63-6	B142	VOC	1,2,4-Trimethylbenzene	3	/	4	0.75	5.00E-03	--	1.48E-02	0	5.00E-03	1.48E-02	0	0	0	0	0	0	4.1E-4	1.2E-3	0	0	6.7E-5	2.0E-4	5.6E-5	1.7E-4	6.8E-5	2.0E-4
78-93-3	B142	VOC	2-Butanone	2	/	4	0.50	1.90E-02	--	5.85E-02	0	1.90E-02	5.85E-02	0	0	0	0	0	0	1.6E-3	4.8E-3	0	0	2.6E-4	7.9E-4	2.1E-4	6.6E-4	2.6E-4	8.0E-4
67-64-1	B142	VOC	Acetone	3	/	4	0.75	1.75E-01	--	1.83E-01	0	1.75E-01	1.83E-01	0	0	0	0	0	0	1.4E-2	1.5E-2	0	0	2.4E-3	2.5E-3	2.0E-3	2.1E-3	2.4E-3	2.5E-3
79-20-9	B142	VOC	Methyl acetate	1	/	4	0.25	3.80E-01	--	9.61E-02	0	3.80E-01	9.61E-02	0	0	0	0	0	0	3.1E-2	8.0E-3	0	0	5.1E-3	1.3E-3	4.3E-3	1.1E-3	5.2E-3	1.3E-3
7429-90-5	B143	INORG	Aluminum	3	/	3	1.00	3.27E+04	--	2.64E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B143	INORG	Arsenic	3	/	3	1.00	5.47E+00	--	4.57E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B143	INORG	Barium	3	/	3	1.00	1.47E+02	--	1.27E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B143	INORG	Beryllium	3	/	3	1.00	9.91E-01	--	8.99E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B143	INORG	Boron	1	/	3	0.33	1.60E+00	--	9.88E-01	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B143	INORG	Cadmium	3	/	3	1.00	4.76E-01	--	3.59E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B143	INORG	Chromium	3	/	3	1.00	2.73E+01	--	2.44E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B143	INORG	Cobalt	3	/	3	1.00	7.44E+00	--	5.76E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B143	INORG	Copper	3	/	3	1.00	2.54E+01	--	2.33E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B143	INORG	Lead	3	/	3	1.00	1.20E+01	--	9.02E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	B143	INORG	Lithium	1	/	3	0.33	6.30E+00	--	3.60E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B143	INORG	Manganese	3	/	3	1.00	3.14E+02	--	1.31E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B143	INORG	Nickel	3	/	3	1.00	1.77E+01	--	1.69E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B143	INORG	Strontium	3	/	3	1.00	1.30E+01	--	1.18E+01	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B143	INORG	Titanium	3	/	3	1.00	9.37E+02	--	7.45E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B143	INORG	Vanadium	3	/	3	1.00	4.70E+01	--	3.71E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B143	INORG	Zinc	3	/	3	1.00	4.21E+01	--	3.60E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57-74-9	B143	PEST	Chlordane (total)	1	/	1	1.00	1.60E-03	--	1.60E-03	0	1.60E-03	1.60E-03	5.8E-6	5.8E-6	3.6E-4	3.6E-4	1.7E-3	1.7E-3	3.3E-4	3.3E-4	5.6E-4	5.6E-4	1.4E-4	1.4E-4	3.5E-4	3.5E-4	3.6E-4	3.6E-4
319-86-8	B143	PEST	delta-BHC	1	/	1	1.00	1.30E-03	--	1.30E-03	0	1.30E-03	1.30E-03	0	0	0	0	0	0	1.1E-4	1.1E-4	0	0	1.7E-5	1.7E-5	1.5E-5	1.5E-5	1.8E-5	1.8E-5
218-01-9	B143	SVOC	Chrysene	1	/	3	0.33	5.40E-02	--	3.55E-02	0	5.40E-02	3.55E-02	0	0	0	0	0	0	4.5E-3	2.9E-3	0	0	7.3E-4	4.8E-4	6.0E-4	4.0E-4	7.4E-4	4.8E-4
206-44-0	B143	SVOC	Fluoranthene	1	/	3	0.33	1.30E-01	--	6.08E-02	0	1.30E-01	6.08E-02	0	0	0	0	0	0	1.1E-2	5.0E-3	0	0	1.7E-3	8.2E-4	1.5E-3	6.8E-4	1.8E-3	8.3E-4
89-98-5	B143	SVOC	ortho-Chlorobenzaldehyd	1	/	3	0.33	1.10E-01	--	5.37E-02	0	1.10E-01	5.37E-02	0	0	0	0	0	0	9.1E-3	4.4E-3	0	0	1.5E-3	7.2E-4	1.2E-3	6.0E-4	1.5E-3	7.3E-4
130498-29-2H	B143	SVOC	PAHs (High MW)	1	/	3	0.33	5.16E-01	--	1.89E-01	0	1	0	1.5E-2	5.7E-3	2.1E-1	7.9E-2	0	0	1.6E-1	6.0E-2	0	0	8.4E-2	3.1E-2	3.0E-2	1.1E-2	9.3E-2	3.4E-2
130498-29-2	B143	SVOC	PAHs (total)	1	/	6	0.17	6.87E-01	--	1.24E-01	0	6.87E-01	1.24E-01	0	0	0	0	0	0	5.7E-2	1.0E-2	0	0	9.2E-3	1.7E-3	7.7E-3	1.4E-3	9.4E-3	1.7E-3
129-00-0	B143	SVOC	Pyrene	1	/	3	0.33	1.60E-01	--	7.08E-02	0	1.60E-01	7.08E-02	0	0	0	0	0	0	1.3E-2	5.9E-3	0	0	2.2E-3	9.5E-4	1.8E-3	7.9E-4	2.2E-3	9.7E-4
67-64-1	B143	VOC	Acetone	3	/	3	1.00	4.60E-02	--	3.13E-02	0	4.60E-02	3.13E-02	0	0	0	0	0	0	3.8E-3	2.6E-3	0	0	6.2E-4	4.2E-4	5.2E-4	3.5E-4	6.3E-4	4.3E-4
7429-90-5	B144	INORG	Aluminum	2	/	2	1.00	5.19E+04	--	4.31E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B144	INORG	Barium	2	/	2	1.00	3.35E+02	--	2.60E+02	2.36E+02	9.92E+01	2.42E+01	2.3E+0	5.7E-1	1.4E+0	3.5E-1	1.1E-2	2.6E-3	9.7E+0	2.4E+0	3.5E-3	8.6E-4	2.6E+0	6.4E-1	1.3E+0	3.1E-1	2.1E+0	5.0E-1
7440-41-7	B144	INORG	Beryllium	2	/	2	1.00	2.53E+00	--	1.81E+00	2.05E+00	4.83E-01	0 <BKG	5.4E-2	0	3.5E-3	0	1.7E-5	0	5.8E-2	0	5.7E-6	0	2.6E-2	0	5.8E-3	0	1.1E-2	0
7440-42-8	B144	INORG	Boron	1	/	2	0.50	8.57E+00	--	5.76E+00	8.22E+00	3.53E-01	0 <BKG	0	0	0	0	0	0	2.9E-2	0	0	0	4.8E-3	0	4.0E-3	0	4.8E-3	0
7440-43-9	B144	INORG	Cadmium	1	/	2	0.50	2.27E+00	--	1.18E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B144	INORG	Chromium	2	/	2	1.00	5.63E+01	--	4.45E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B144	INORG	Cobalt	2	/	2	1.00	2.52E+01	--	2.08E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B144	INORG	Copper	2	/	2	1.00	3.23E+01	--	3.08E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B144	INORG	Lead	2	/	2	1.00	1.64E+01	--	1.27E+01	1.28E+01	3.61E+00	0 <BKG	8.2E-2	0	3.6E-1	0	6.1E-1	0	5.2E-1	0	2.0E-1	0	2.0E-1	0	1.8E-1	0	2.7E-1	0
7439-93-2	B144	INORG	Lithium	2	/	2	1.00	1.13E+01	--	1.03E+01	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B144	INORG	Manganese	2	/	2	1.00	1.38E+03	--	1.04E+03	1.13E+03	2.53E+02	0 <BKG	3.0E+0	0	3.1E+0	0	1.7E+0	0	2.3E+1	0	5.4E-1	0	5.5E+0	0	3.5E+0	0	5.0E+0	0
7439-97-6	B144	INORG	Mercury	1	/	2	0.50	1.81E-02	--	1.28E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B144	INORG	Nickel	2	/	2	1.00	4.95E+01	--	3.59E+01	4.23E+01	7.25E+00	0 <BKG	7.1E-2	0	2.3E-2	0	6.3E-1	0	6.3E-1	0	2.1E-1	0	1.3E-1	0	1.9E-1	0	1.8E-1	0
7440-24-6	B144	INORG	Strontium	2	/	2	1.00	5.48E+00	--	4.91E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B144	INORG	Thallium	1	/	2	0.50	4.89E+00	--	4.85E+00	4.10E+00	7.87E-01	7.54E-01	0	0	0	0	0	0	6.5E-2	6.2E-2	0	0	1.1E-2	1.0E-2	8.8E-3	8.4E-3	1.1E-2	1.0E-2
7440-32-6	B144	INORG	Titanium	2	/	2	1.00	2.51E+03	--	2.51E+03	2.31E+03	2.01E+02	1.96E+02	0	0	0	0	0	0	1.7E+1	1.6E+1	0	0	2.7E+0	2.6E+0	2.2E+0	2.2E+0	2.7E+0	2.7E+0
7440-62-2	B144	INORG	Vanadium	2	/	2	1.00	9.14E+01	--	7.09E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B144	INORG	Zinc	2	/	2	1.00	1.75E+02	--	1.34E+02	8.96E+01	8.55E+01	4.42E+01	8.5E+0	5.9E+0	5.9E+1	4.7E+1	3.4E+1	3.3E+1	4.1E+1	3.1E+1	1.1E+1	1.1E+1	2.4E+1	1.9E+1	1.3E+1	1.1E+1	2.9E+1	2.4E+1
65-85-0	B144	SVOC	Benzoic acid	1	/	2	0.50	2.65E-01	--	1.88E-01	0	2.65E-01	1.88E-01	0	0	0	0	0	0	2.2E-2	1.6E-2	0	0	3.6E-3	2.5E-3	3.0E-3	2.1E-3	3.6E-3	2.6E-3
7429-90-5	B146	INORG	Aluminum	2	/	2	1.00	2.40E+04	--	2.22E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B146	INORG	Barium	2	/	2	1.00	7.95E+01	--	7.73E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B146	INORG	Beryllium	1	/	2	0.50	6.50E-01	--	4.52E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B146	INORG	Boron	1	/	2	0.50	1.38E+00	--	9.43E-01	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B146	INORG	Cadmium	1	/	2	0.50	8.36E-01	--	4.59E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B146	INORG	Chromium	2	/	2	1.00	2.98E+01	--	2.92E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

												Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
												(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-48-4	B146	INORG	Cobalt	2 / 2	1.00	1.37E+01	--	1.01E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B146	INORG	Copper	2 / 2	1.00	5.55E+01	--	3.05E+01	5.28E+01	2.73E+00	0 <BKG	4.3E-1	0	2.3E-1	0	2.9E+0	0	4.7E-1	0	9.3E-1	0	2.6E-1	0	5.3E-1	0	4.8E-1	0
7439-92-1	B146	INORG	Lead	2 / 2	1.00	1.40E+01	--	1.29E+01	1.28E+01	1.21E+00	5.56E-02	4.4E-2	7.9E-3	1.5E-1	1.2E-2	3.8E-1	9.6E-2	1.9E-1	1.4E-2	1.2E-1	3.1E-2	8.1E-2	7.6E-3	9.3E-2	1.8E-2	1.2E-1	1.7E-2
7439-93-2	B146	INORG	Lithium	2 / 2	1.00	9.00E+00	--	8.60E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B146	INORG	Manganese	2 / 2	1.00	6.50E+02	--	4.18E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B146	INORG	Mercury	2 / 2	1.00	6.45E-02	--	5.50E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B146	INORG	Molybdenum	1 / 2	0.50	6.66E+00	--	3.46E+00	1.96E+00	4.70E+00	1.50E+00	0	0	0	0	0	0	3.9E-1	1.2E-1	0	0	6.3E-2	2.0E-2	5.3E-2	1.7E-2	6.4E-2	2.0E-2
7440-02-0	B146	INORG	Nickel	2 / 2	1.00	1.45E+01	--	1.34E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B146	INORG	Strontium	2 / 2	1.00	1.25E+01	--	9.60E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B146	INORG	Thallium	2 / 2	1.00	3.47E+00	--	3.04E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B146	INORG	Titanium	2 / 2	1.00	1.09E+03	--	9.36E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B146	INORG	Vanadium	2 / 2	1.00	4.60E+01	--	3.88E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B146	INORG	Zinc	2 / 2	1.00	4.91E+01	--	4.41E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56-55-3	B146	SVOC	Benzo(a)anthracene	1 / 2	0.50	6.30E-02	--	4.13E-02	0	6.30E-02	4.13E-02	0	0	0	0	0	0	5.2E-3	3.4E-3	0	0	8.5E-4	5.6E-4	7.1E-4	4.6E-4	8.6E-4	5.6E-4
50-32-8	B146	SVOC	Benzo(a)pyrene	1 / 2	0.50	1.70E-01	--	9.48E-02	0	1.70E-01	9.48E-02	0	0	0	0	0	0	1.4E-2	7.8E-3	0	0	2.3E-3	1.3E-3	1.9E-3	1.1E-3	2.3E-3	1.3E-3
205-99-2	B146	SVOC	Benzo(b)fluoranthene	1 / 2	0.50	2.30E-01	--	1.25E-01	0	2.30E-01	1.25E-01	0	0	0	0	0	0	1.9E-2	1.0E-2	0	0	3.1E-3	1.7E-3	2.6E-3	1.4E-3	3.1E-3	1.7E-3
191-24-2	B146	SVOC	Benzo(g,h,i)perylene	1 / 2	0.50	1.90E-01	--	1.05E-01	0	1.90E-01	1.05E-01	0	0	0	0	0	0	1.6E-2	8.7E-3	0	0	2.6E-3	1.4E-3	2.1E-3	1.2E-3	2.6E-3	1.4E-3
207-08-9	B146	SVOC	Benzo(k)fluoranthene	1 / 2	0.50	7.90E-02	--	4.93E-02	0	7.90E-02	4.93E-02	0	0	0	0	0	0	6.5E-3	4.1E-3	0	0	1.1E-3	6.6E-4	8.9E-4	5.5E-4	1.1E-3	6.7E-4
218-01-9	B146	SVOC	Chrysene	1 / 2	0.50	9.50E-02	--	5.73E-02	0	9.50E-02	5.73E-02	0	0	0	0	0	0	7.9E-3	4.7E-3	0	0	1.3E-3	7.7E-4	1.1E-3	6.4E-4	1.3E-3	7.8E-4
206-44-0	B146	SVOC	Fluoranthene	1 / 2	0.50	7.10E-02	--	4.53E-02	0	7.10E-02	4.53E-02	0	0	0	0	0	0	5.9E-3	3.7E-3	0	0	9.6E-4	6.1E-4	8.0E-4	5.1E-4	9.7E-4	6.2E-4
193-39-5	B146	SVOC	Indeno(1,2,3-c,d)pyrene	1 / 2	0.50	1.20E-01	--	6.98E-02	0	1.20E-01	6.98E-02	0	0	0	0	0	0	9.9E-3	5.8E-3	0	0	1.6E-3	9.4E-4	1.3E-3	7.8E-4	1.6E-3	9.5E-4
130498-29-2H	B146	SVOC	PAHs (High MW)	1 / 2	0.50	1.11E+00	--	5.66E-01	0	1	1	3.0E-2	1.6E-2	4.6E-1	2.4E-1	0	0	3.5E-1	1.8E-1	0	0	1.8E-1	9.2E-2	6.4E-2	3.3E-2	2.0E-1	1.0E-1
130498-29-2L	B146	SVOC	PAHs (Low MW)	1 / 4	0.25	1.73E-01	--	4.84E-02	0	1.73E-01	4.84E-02	1.8E-2	1.0E-2	8.4E-2	2.4E-2	0	0	6.5E-2	2.0E-2	0	0	3.7E-2	1.2E-2	1.1E-2	3.2E-3	3.7E-2	1.1E-2
130498-29-2	B146	SVOC	PAHs (total)	1 / 4	0.25	1.29E+00	--	3.27E-01	0	1.29E+00	3.27E-01	0	0	0	0	0	0	1.1E-1	2.7E-2	0	0	1.7E-2	4.4E-3	1.4E-2	3.7E-3	1.8E-2	4.5E-3
85-01-8	B146	SVOC	Phenanthrene	1 / 2	0.50	5.30E-02	--	3.63E-02	0	5.30E-02	3.63E-02	0	0	0	0	0	0	4.4E-3	3.0E-3	0	0	7.1E-4	4.9E-4	5.9E-4	4.1E-4	7.2E-4	4.9E-4
129-00-0	B146	SVOC	Pyrene	1 / 2	0.50	7.50E-02	--	4.73E-02	0	7.50E-02	4.73E-02	0	0	0	0	0	0	6.2E-3	3.9E-3	0	0	1.0E-3	6.4E-4	8.4E-4	5.3E-4	1.0E-3	6.4E-4
75-09-2	B146	VOC	Methylene chloride	1 / 2	0.50	5.00E-03	--	3.00E-03	0	5.00E-03	3.00E-03	0	0	0	0	0	0	4.1E-4	2.5E-4	0	0	6.7E-5	4.0E-5	5.6E-5	3.4E-5	6.8E-5	4.1E-5
7429-90-5	B147	INORG	Aluminum	12 / 12	1.00	4.99E+04	3.95E+04	3.61E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B147	INORG	Arsenic	8 / 12	0.67	4.24E+00	--	1.75E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B147	INORG	Barium	12 / 12	1.00	3.92E+02	1.66E+02	1.20E+02	2.36E+02	1.56E+02	0 <BKG	3.7E+0	0	2.3E+0	0	1.7E-2	0	1.5E+1	0	5.6E-3	0	4.1E+0	0	2.0E+0	0	3.2E+0	0
7440-41-7	B147	INORG	Beryllium	12 / 12	1.00	1.64E+00	--	9.50E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B147	INORG	Boron	11 / 12	0.92	1.49E+01	1.19E+01	9.61E+00	8.22E+00	6.68E+00	3.64E+00	0	0	0	0	0	0	5.5E-1	3.0E-1	0	0	9.0E-2	4.9E-2	7.5E-2	4.1E-2	9.1E-2	5.0E-2
7440-43-9	B147	INORG	Cadmium	10 / 12	0.83	1.30E+00	9.45E-01	7.28E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B147	INORG	Chromium	12 / 12	1.00	1.10E+02	6.38E+01	4.96E+01	6.03E+01	4.97E+01	3.47E+00	3.1E-1	2.1E-2	2.4E+0	1.7E-1	1.3E+0	1.9E-1	5.5E+0	3.8E-1	4.3E-1	6.0E-2	1.6E+0	1.1E-1	1.0E+0	8.9E-2	1.8E+0	1.4E-1
7440-48-4	B147	INORG	Cobalt	12 / 12	1.00	1.88E+01	1.30E+01	1.09E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B147	INORG	Copper	12 / 12	1.00	6.64E+01	4.63E+01	3.74E+01	5.28E+01	1.36E+01	0 <BKG	8.2E-1	0	1.1E+0	0	3.6E+0	0	2.0E+0	0	1.2E+0	0	8.4E-1	0	8.8E-1	0	1.1E+0	0
7439-92-1	B147	INORG	Lead	12 / 12	1.00	1.91E+01	1.40E+01	1.25E+01	1.28E+01	6.31E+00	1.20E+00	1.1E-1	4.4E-2	5.7E-1	1.5E-1	7.8E-1	3.7E-1	8.6E-1	1.9E-1	2.5E-1	1.2E-1	3.1E-1	8.1E-2	2.7E-1	9.3E-2	4.1E-1	1.2E-1
7439-93-2	B147	INORG	Lithium	12 / 12	1.00	9.30E+00	7.88E+00	7.37E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B147	INORG	Manganese	12 / 12	1.00	6.20E+02	3.34E+02	2.42E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B147	INORG	Mercury	9 / 12	0.75	2.66E-01	1.01E-01	6.35E-02	9.20E-02	1.74E-01	8.97E-03	0	0	0	0	0	0	1.4E-2	7.4E-4	0	0	2.3E-3	1.2E-4	1.9E-3	1.0E-4	2.4E-3	1.2E-4
7440-02-0	B147	INORG	Nickel	12 / 12	1.00	3.50E+01	--	2.00E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	B147	INORG	Perchlorate	1 / 12	0.08	5.40E-03	--	1.74E-03	0	5.40E-03	1.74E-03	0	0	0	0	0	0	4.5E-4	1.4E-4	0	0	7.3E-5	2.3E-5	6.0E-5	2.0E-5	7.4E-5	2.4E-5
7782-49-2	B147	INORG	Selenium	5 / 12	0.42	2.02E+00	1.54E+00	1.04E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B147	INORG	Strontium	12 / 12	1.00	1.22E+01	--	6.14E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B147	INORG	Titanium	12 / 12	1.00	1.58E+03	1.34E+03	1.24E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B147	INORG	Vanadium	12 / 12	1.00	6.81E+01	6.17E+01	5.61E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B147	INORG	Zinc	12 / 12	1.00	4.08E+02	1.64E+02	1.05E+02	8.96E+01	3.18E+02	7.40E+01	1.8E+1	7.9E+0	9.1E+1	5.6E+1	3.8E+1	3.4E+1	8.0E+1	3.9E+1	1.2E+1	1.1E+1	4.1E+1	2.3E+1	2.0E+1	1.3E+1	4.6E+1	2.8E+1
99-35-4	B147	Nitroaromatics	1,3,5-Trinitrobenzene	2 / 12	0.17	5.20E-01	3.41E-01	1.21E-01	0	5.20E-01	3.41E-01	0	0	0	0	0	0	4.3E-2	2.8E-2	0	0	7.0E-3	4.6E-3	5.8E-3	3.8E-3	7.1E-3	4.6E-3
118-96-7	B147	Nitroaromatics	2,4,6-Trinitrotoluene	2 / 12	0.17	5.90E-01	--	1.35E-01	0	5.90E-01	1.35E-01	3.7E-1	8.5E-2	1.4E-1	3.1E-2	0	0	2.3E-1	5.3E-2	0	0	1.8E-1	4.1E-2	2.2E-2	5.0E-3	8.4E-2	1.9E-2
121-82-4	B147	Nitroaromatics	RDX	1 / 12	0.08	2.90E-01	--	8.38E-02	0	2.90E-01	8.38E-02	1.9E-2	5.4E-3	1.7E-2	4.9E-3	0	0	3.9E-2	1.1E-2	0	0	1.6E-2	4.6E-3	5.2E-3	1.5E-3	1.2E-2	3.4E-3
72-55-9	B147	PEST	4,4'-DDE	1 / 4	0.25	1.90E-03	--	1.13E-03	0	1.90E-03	1.13E-03	0	0	0	0	0	0	1.6E-4	9.4E-5	0	0	2.6E-5	1.5E-5	2.1E-5	1.3E-5	2.6E-5	1.5E-5
50-29-3	B147	PEST	4,4'-DDT	4 / 4	1.00	1.40E-02	--	5.42E-03	0	1.40E-02	5.42E-03	0	0	2.5E-2	9.7E-3	1.2E-1	4.7E-2	1.5E-2	5.7E-3	4.0E-2	1.5E-2	8.6E-3	3.3E-3	2.3E-2	9.0E-3	2.4E-2	9.3E-3
309-00-2	B147	PEST	Aldrin	2 / 4	0.50	1.00E-02	--	2.93E-03	0	1.00E-02	2.93E-03	1.0E-5	3.0E-6	2.2E-3	6.6E-4	1.1E-2	3.2E-3	2.0E-3	6.0E-4	3.5E-3	1.0E-3	8.9E-4	2.6E-4	2.2E-3	6.4E-4	2.3E-3	6.6E-4
57-74-9	B147	PEST	Chlordane (total)	2 / 3	0.67	2.45E-02	--	1.49E-02	0	2.45E-02	1.49E-02	8.9E-5	5.4E-5	5.5E-3	3.3E-3	2.7E-2	1.6E-2	5.0E-3	3.0E-3	8.6E-3	5.3E-3	2.2E-3	1.3E-3	5.3E-3	3.3E-3	5.5E-3	3.4E-3
115-29-7	B147	PEST	Endosulfan	2 / 4	0.50	4.60E-02	--	2.42E-02	0	4.60E-02	2.42E-02	2.4E-3	1.2E-3	1.0E-2	5.4E-3	5.0E-2	2.6E-2	1.0E-2	5.3E-3	1.6E-2	8.5E-3	4.9E-3	2.6E-3	1.0E-2	5.3E-3	1.1E-2	5.5E-3
72-20-8	B147	PEST	Endrin	1 / 4	0.25	6.50E-03	--	2.10E-03	0	6.50E-03	2.10E-03	2.2E-5	7.1E-6	1.5E-3	4.7E-4	7.0E-3	2.3E-3	1.3E-3	4.3E-4	2.3E-3	7.4E-4	5.8E-4	1.9E-4	1.4E-3	4.6E-4	1.5E-3	4.7E-4
58-89-9	B147	PEST	Lindane	1 / 4	0.25	1.60E-03	--	6.45E-04	0	1.60E-03	6.45E-04	6.6E-5	2.7E-5	3.6E-4	1.4E-4	1.7E-3	7.0E-4	3.4E-4	1.4E-4	5.6E-4	2.3E-4	1.6E-4	6.6E-5	3.5E-4	1.4E-4	3.6E-4	1.5E-4
98-86-2	B147	SVOC	Acetophenone	1 / 12	0.08	9.90E-02	--	5.10E-02	0	9.90E-02	5.10E-02	0	0	0	0	0	0	8.2E-3	4.2E-3	0	0	1.3E-3	6.9E-4	1.1E-3	5.7E-4	1.3E-3	7.0E-4
50-32-8	B147	SVOC	Benzo(a)pyrene	1 / 12	0.08	6.90E-02	--	2.74E-02	0	6.90E-02	2.74E-02	0	0	0	0	0	0	5.7E-3	2.3E-3	0	0	9.3E-4	3.7E-4	7.7E-4	3.1E-4	9.4E-4	3.7E-4
205-99-2	B147	SVOC	Benzo(b)fluoranthene	1 / 12	0.08	1.10E-01	--	3.08E-02	0	1.10E-01	3.08E-02	0	0	0	0	0	0	9.1E-3	2.6E-3	0	0	1.5E-3	4.1E-4	1.2E-3	3.5E-4	1.5E-3	4.2E-4
191-24-2	B147	SVOC	Benzo(g,h,i)perylene	1 / 12	0.08	1.00E-01	--	3.00E-02	0	1.00E-01	3.00E-02	0	0	0	0	0	0	8.3E-3	2.5E-3	0	0	1.3E-3	4.0E-4	1.1E-3	3.4E-4	1.4E-3	4.1E-4
207-08-9	B147	SVOC	Benzo(k)fluoranthene	1 / 12	0.08	4.90E-02	--	2.58E-02	0	4.90E-02	2.58E-02	0	0	0	0	0	0	4.1E-3	2.1E-3	0	0	6.6E-4	3.5E-4	5.5E-4	2.9E-4	6.7E-4	3.5E-4
117-81-7	B147	SVOC	bis (2-Ethylhexyl) phthalat	2 / 12	0.17	1.40E-01	--	6.19E-02	0	1.40E-01	6.19E-02	0	0	0	0	0	0	1.2E-2	5.1E-3	0	0	1.9E-3	8.3E-4	1.6E-3	6.9E-4	1.9E-3	8.4E-4
193-39-5	B147	SVOC	Indeno(1,2,3-c,d)pyrene	1 / 12	0.08	7.70E-02	--	2.81E-02	0	7.70E-02	2.81E-02	0	0	0	0	0	0	6.4E-3	2.3E-3	0	0	1.0E-3	3.8E-4	8.6E-4	3.1E-4	1.0E-3	3.8E-4
130498-29-2H	B147	SVOC	PAHs (High MW)	1 / 12	0.08	5.08E-01	--	6.40E-02	0	1	0	1.4E-2	2.0E-3	2.1E-1	2.7E-2	0	0	1.6E-1	2.0E-2	0	0	8.3E-2	1.0E-2	2.9E-2	3.7E-3	9.2E-2	1.2E-2
130498-29-2	B147	SVOC	PAHs (total)	1 / 26	0.04	6.51E-01	--	3.54E-02	0	6.51E-01	3.54E-02	0	0	0	0	0	0	5.4E-2	2.9E-3	0	0	8.8E-3	4.8E-4	7.3E-3	4.0E-4	8.9E-3	4.8E-4
108-95-2	B147	SVOC	Phenol	5 / 12	0.42	7.60E-01	3.16E-01	1.43E-01	0	7.60E-01	3.16E-01	6.3E-1	2.6E-1	1.4E-1	5.7E-2	0	0	3.2E-1	1.3E-1	0	0	2.7E-1	1.1E-1	2.4E-2	9.9E-3	1.0E-1	4.2E-2
78-93-3	B147	VOC	2-Butanone	1 / 14	0.07	7.00E-03	--	3.18E-03	0	7.00E-03	3.18E-03	0	0	0	0	0	0	5.8E-4	2.6E-4	0	0	9.4E-5	4.3E-5	7.8E-5	3.6E-5	9.5E-5	4.3E-5
67-64-1	B147	VOC	Acetone	5 / 14	0.36	6.40E-02	--	1.58E-02	0	6.40E-02	1.58E-02	0	0	0	0	0	0	5.3E-3	1.3E-3	0	0	8.6E-4	2.1E-4	7.2E-4	1.8E-4	8.7E-4	2.1E-4
156-59-2	B147	VOC	cis-1,2-Dichloroethene	1 / 14	0.07	5.20E-02	--	4.36E-03	0	5.20E-02	4.36E-03	2.5E-2	2.1E-3	2.0E-2	1.7E-3	0	0	2.2E-2	1.9E-3	0	0	1.6E-2	1.3E-3	2.8E-3	2.4E-4	1.0E-2	8.4E-4
75-09-2	B147	VOC	Methylene chloride	9 / 14	0.64	7.00E-03	--	3.57E-03	0	7.00E-03	3.57E-03	0	0	0	0	0	0	5.8E-4	3.0E-4	0	0	9.4E-5	4.8E-5	7.8E-5	4.0E-5	9.5E-5	4.9E-5
99-87-6	B147	VOC	p-Isopropyltoluene	1 / 14	0.07	3.00E-03	--	8.93E-04	0	3.00E-03	8.93E-04	0	0	0	0	0	0	2.5E-4	7.4E-5	0	0	4.0E-5	1.2E-5	3.4E-5	1.0E-5	4.1E-5	1.2E-5
79-01-6	B147	VOC	Trichloroethylene	4 / 14	0.29	6.60E-02	1.94E-02	8.46E-03	0	6.60E-02	1.94E-02	0	0	0	0	0	0	5.5E-3	1.6E-3	0	0	8.9E-4	2.6E-4	7.4E-4	2.2E-4	9.0E-4	2.6E-4
7429-90-5	B148	INORG	Aluminum	3 / 3	1.00	3.75E+04	--	2.81E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B148	INORG	Antimony	1 / 3	0.33	9.25E-01	--	7.18E-01	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B148	INORG	Arsenic	3 / 3	1.00	3.63E+00	--	2.34E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B148	INORG	Barium	3 / 3	1.00	1.41E+02	--	1.33E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B148	INORG	Beryllium	3 / 3	1.00	1.20E+00	--	1.10E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B148	INORG	Cadmium	2 / 3	0.67	1.41E+00	--	8.51E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B148	INORG	Chromium	3 / 3	1.00	3.17E+01	--	2.52E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B148	INORG	Cobalt	3 / 3	1.00	1.88E+02	--	7.22E+01	2.73E+01	1.60E+02	4.49E+01	1.8E-1	5.0E-2	3.1E+0	8.8E-1	2.8E+0	5.3E-1	1.5E+1	4.2E+0	9.1E-1	1.7E-1	3.3E+0	9.2E-1	2.6E+0	6.9E-1	3.8E+0	1.0E+0
7440-50-8	B148	INORG	Copper	3 / 3	1.00	1.27E+01	--	6.88E+00	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B148	INORG	Lead	3 / 3	1.00	1.19E+01	--	1.02E+01	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	B148	INORG	Lithium	3 / 3	1.00	1.18E+01	--	6.88E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7439-96-5	B148	INORG	Manganese	3	/	3	1.00	1.16E+03	--	6.97E+02	1.13E+03	3.44E+01	0 <BKG	4.1E-1	0	7.9E-1	0	2.3E-1	0	3.4E+0	0	7.3E-2	0	8.7E-1	0	5.1E-1	0	8.3E-1	0
7439-97-6	B148	INORG	Mercury	3	/	3	1.00	8.53E-02	--	5.42E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B148	INORG	Molybdenum	1	/	3	0.33	6.56E-01	--	3.92E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B148	INORG	Nickel	3	/	3	1.00	1.95E+01	--	1.33E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B148	INORG	Selenium	3	/	3	1.00	2.18E+00	--	1.74E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B148	INORG	Strontium	3	/	3	1.00	5.26E+00	--	4.69E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B148	INORG	Thallium	3	/	3	1.00	4.14E+00	--	2.73E+00	4.10E+00	4.17E-02	0 <BKG	0	0	0	0	0	0	3.5E-3	0	0	0	5.6E-4	0	4.7E-4	0	5.7E-4	0
7440-32-6	B148	INORG	Titanium	3	/	3	1.00	2.06E+03	--	2.02E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B148	INORG	Vanadium	3	/	3	1.00	5.67E+01	--	4.64E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B148	INORG	Zinc	3	/	3	1.00	7.19E+01	--	6.22E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93-76-5	B148	PEST	2,4,5-T	1	/	2	0.50	1.00E-03	--	7.44E-04	0	1.00E-03	7.44E-04	0	0	0	0	0	0	8.3E-5	6.2E-5	0	0	1.3E-5	1.0E-5	1.1E-5	8.3E-6	1.4E-5	1.0E-5
57-74-9	B148	PEST	Chlordane (total)	1	/	2	0.50	3.60E-04	--	2.30E-04	0	3.60E-04	2.30E-04	1.3E-6	8.4E-7	8.1E-5	5.2E-5	3.9E-4	2.5E-4	7.4E-5	4.7E-5	1.3E-4	8.1E-5	3.2E-5	2.1E-5	7.9E-5	5.0E-5	8.1E-5	5.2E-5
115-29-7	B148	PEST	Endosulfan	2	/	2	1.00	1.20E-03	--	1.20E-03	0	1.20E-03	1.20E-03	6.2E-5	6.2E-5	2.7E-4	2.7E-4	1.3E-3	1.3E-3	2.6E-4	2.6E-4	4.2E-4	4.2E-4	1.3E-4	1.3E-4	2.6E-4	2.6E-4	2.7E-4	2.7E-4
75-09-2	B148	VOC	Methylene chloride	2	/	3	0.67	1.40E-02	--	6.58E-03	0	1.40E-02	6.58E-03	0	0	0	0	0	0	1.2E-3	5.5E-4	0	0	1.9E-4	8.9E-5	1.6E-4	7.4E-5	1.9E-4	9.0E-5
99-87-6	B148	VOC	p-Isopropyltoluene	1	/	3	0.33	1.75E-03	--	1.08E-03	0	1.75E-03	1.08E-03	0	0	0	0	0	0	1.4E-4	9.0E-5	0	0	2.4E-5	1.5E-5	2.0E-5	1.2E-5	2.4E-5	1.5E-5
7429-90-5	B149	INORG	Aluminum	6	/	6	1.00	3.75E+04	3.63E+04	2.97E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B149	INORG	Antimony	4	/	6	0.67	2.90E+00	2.55E+00	1.73E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B149	INORG	Arsenic	6	/	6	1.00	4.04E+00	--	3.11E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B149	INORG	Barium	6	/	6	1.00	1.19E+02	--	8.98E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B149	INORG	Beryllium	2	/	6	0.33	8.62E-01	--	4.02E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B149	INORG	Boron	6	/	6	1.00	1.57E+01	1.48E+01	1.23E+01	8.22E+00	7.48E+00	6.55E+00	0	0	0	0	0	0	6.2E-1	5.4E-1	0	0	1.0E-1	8.8E-2	8.4E-2	7.3E-2	1.0E-1	8.9E-2
7440-47-3	B149	INORG	Chromium	6	/	6	1.00	3.77E+01	3.64E+01	2.98E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B149	INORG	Cobalt	6	/	6	1.00	1.83E+01	1.41E+01	9.68E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B149	INORG	Copper	6	/	6	1.00	3.37E+01	3.08E+01	2.14E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B149	INORG	Lead	6	/	6	1.00	2.09E+01	1.88E+01	1.54E+01	1.28E+01	8.06E+00	6.00E+00	1.3E-1	1.1E-1	6.9E-1	5.5E-1	8.7E-1	7.6E-1	1.1E+0	8.2E-1	2.8E-1	2.5E-1	3.8E-1	3.0E-1	3.1E-1	2.6E-1	4.9E-1	3.9E-1
7439-93-2	B149	INORG	Lithium	6	/	6	1.00	9.60E+00	8.70E+00	7.72E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B149	INORG	Manganese	6	/	6	1.00	6.70E+02	5.18E+02	3.39E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B149	INORG	Mercury	6	/	6	1.00	7.84E-02	--	6.40E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B149	INORG	Nickel	6	/	6	1.00	2.11E+01	--	1.44E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B149	INORG	Selenium	5	/	6	0.83	3.15E+00	2.69E+00	1.92E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B149	INORG	Silver	3	/	6	0.50	3.70E-01	--	2.12E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B149	INORG	Strontium	6	/	6	1.00	9.32E+00	--	5.86E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B149	INORG	Titanium	6	/	6	1.00	1.80E+03	1.68E+03	1.26E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B149	INORG	Vanadium	6	/	6	1.00	6.19E+01	5.97E+01	4.96E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B149	INORG	Zinc	6	/	6	1.00	9.27E+01	7.93E+01	5.36E+01	8.96E+01	3.10E+00	0 <BKG	1.4E+0	0	2.0E+1	0	2.7E+1	0	1.1E+1	0	8.9E+0	0	7.2E+0	0	6.8E+0	0	1.1E+1	0
108-95-2	B149	SVOC	Phenol	2	/	6	0.33	1.40E+00	1.04E+00	3.32E-01	0	1.40E+00	1.04E+00	1.2E+0	8.7E-1	2.5E-1	1.9E-1	0	0	5.9E-1	4.4E-1	0	0	5.0E-1	3.7E-1	4.4E-2	3.3E-2	1.9E-1	1.4E-1
75-09-2	B149	VOC	Methylene chloride	1	/	5	0.20	6.00E-03	--	2.20E-03	0	6.00E-03	2.20E-03	0	0	0	0	0	0	5.0E-4	1.8E-4	0	0	8.1E-5	3.0E-5	6.7E-5	2.5E-5	8.2E-5	3.0E-5
7429-90-5	B150151	INORG	Aluminum	3	/	3	1.00	3.11E+04	--	2.84E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B150151	INORG	Arsenic	1	/	3	0.33	1.03E+00	--	7.15E-01	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B150151	INORG	Barium	3	/	3	1.00	1.27E+02	--	9.03E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B150151	INORG	Beryllium	3	/	3	1.00	8.42E-01	--	7.96E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B150151	INORG	Boron	1	/	3	0.33	1.03E+00	--	6.94E-01	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B150151	INORG	Cadmium	1	/	3	0.33	1.75E-01	--	1.13E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B150151	INORG	Chromium	3	/	3	1.00	6.36E+01	--	4.77E+01	6.03E+01	3.27E+00	0 <BKG	2.0E-2	0	1.6E-1	0	1.8E-1	0	3.6E-1	0	5.8E-2	0	1.0E-1	0	8.4E-2	0	1.3E-1	0
7440-48-4	B150151	INORG	Cobalt	3	/	3	1.00	6.38E+00	--	5.80E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B150151	INORG	Copper	3	/	3	1.00	1.72E+01	--	1.16E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B150151	INORG	Lead	3	/	3	1.00	1.42E+01	--	1.29E+01	1.28E+01	1.41E+00	1.22E-01	4.8E-2	1.2E-2	1.7E-1	2.4E-2	4.0E-1	1.4E-1	2.2E-1	2.6E-2	1.3E-1	4.4E-2	9.2E-2	1.4E-2	1.0E-1	2.7E-2	1.3E-1	2.7E-2
7439-93-2	B150151	INORG	Lithium	3	/	3	1.00	2.10E+01	--	1.39E+01	1.21E+01	8.88E+00	1.75E+00	0	0	0	0	0	0	7.4E-1	1.4E-1	0	0	1.2E-1	2.4E-2	1.0E-1	2.0E-2	1.2E-1	2.4E-2
7439-96-5	B150151	INORG	Manganese	3	/	3	1.00	1.93E+02	--	1.57E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B150151	INORG	Mercury	3	/	3	1.00	6.20E-02	--	4.80E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B150151	INORG	Molybdenum	2	/	3	0.67	6.58E+00	--	2.52E+00	1.96E+00	4.62E+00	5.60E-01	0	0	0	0	0	0	3.8E-1	4.6E-2	0	0	6.2E-2	7.5E-3	5.2E-2	6.3E-3	6.3E-2	7.6E-3
7440-02-0	B150151	INORG	Nickel	3	/	3	1.00	1.18E+01	--	1.05E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B150151	INORG	Strontium	3	/	3	1.00	6.30E+00	--	5.88E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B150151	INORG	Thallium	3	/	3	1.00	2.75E+00	--	2.50E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-31-5	B150151	INORG	Tin	3	/	3	1.00	2.28E+00	--	2.03E+00	5.26E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B150151	INORG	Titanium	3	/	3	1.00	1.41E+03	--	1.22E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B150151	INORG	Vanadium	3	/	3	1.00	4.73E+01	--	4.54E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B150151	INORG	Zinc	3	/	3	1.00	3.15E+02	--	1.57E+02	8.96E+01	2.25E+02	6.79E+01	1.5E+1	7.5E+0	8.1E+1	5.5E+1	3.7E+1	3.4E+1	6.6E+1	3.7E+1	1.2E+1	1.1E+1	3.5E+1	2.2E+1	1.8E+1	1.3E+1	4.0E+1	2.7E+1
121-82-4	B150151	Nitroaromatic	RDX	1	/	3	0.33	1.38E-01	--	8.58E-02	0	1.38E-01	8.58E-02	8.9E-3	5.5E-3	8.1E-3	5.1E-3	0	0	1.8E-2	1.1E-2	0	0	7.6E-3	4.7E-3	2.4E-3	1.5E-3	5.6E-3	3.5E-3
57-74-9	B150151	PEST	Chlordane (total)	1	/	1	1.00	5.10E-04	--	5.10E-04	0	5.10E-04	5.10E-04	1.9E-6	1.9E-6	1.1E-4	1.1E-4	5.5E-4	5.5E-4	1.0E-4	1.0E-4	1.8E-4	1.8E-4	4.6E-5	4.6E-5	1.1E-4	1.1E-4	1.2E-4	1.2E-4
115-29-7	B150151	PEST	Endosulfan	1	/	1	1.00	2.60E-03	--	2.60E-03	0	2.60E-03	2.60E-03	1.3E-4	1.3E-4	5.8E-4	5.8E-4	2.8E-3	2.8E-3	5.7E-4	5.7E-4	9.2E-4	9.2E-4	2.8E-4	2.8E-4	5.7E-4	5.7E-4	5.9E-4	5.9E-4
1024-57-3	B150151	PEST	Heptachlor epoxide	1	/	1	1.00	3.80E-04	--	3.80E-04	0	3.80E-04	3.80E-04	1.7E-6	1.7E-6	8.5E-5	8.5E-5	4.1E-4	4.1E-4	7.8E-5	7.8E-5	1.3E-4	1.3E-4	3.4E-5	3.4E-5	8.3E-5	8.3E-5	8.6E-5	8.6E-5
208-96-8	B150151	SVOC	Acenaphthylene	1	/	3	0.33	3.73E-02	--	2.58E-02	0	3.73E-02	2.58E-02	0	0	0	0	0	0	3.1E-3	2.1E-3	0	0	5.0E-4	3.5E-4	4.2E-4	2.9E-4	5.1E-4	3.5E-4
120-12-7	B150151	SVOC	Anthracene	1	/	3	0.33	8.13E-02	--	4.04E-02	0	8.13E-02	4.04E-02	0	0	0	0	0	0	6.7E-3	3.3E-3	0	0	1.1E-3	5.4E-4	9.1E-4	4.5E-4	1.1E-3	5.5E-4
56-55-3	B150151	SVOC	Benzo(a)anthracene	1	/	3	0.33	3.90E-01	--	1.43E-01	0	3.90E-01	1.43E-01	0	0	0	0	0	0	3.2E-2	1.2E-2	0	0	5.2E-3	1.9E-3	4.4E-3	1.6E-3	5.3E-3	2.0E-3
50-32-8	B150151	SVOC	Benzo(a)pyrene	1	/	3	0.33	2.11E-01	--	8.35E-02	0	2.11E-01	8.35E-02	0	0	0	0	0	0	1.7E-2	6.9E-3	0	0	2.8E-3	1.1E-3	2.4E-3	9.4E-4	2.9E-3	1.1E-3
205-99-2	B150151	SVOC	Benzo(b)fluoranthene	1	/	3	0.33	5.60E-01	--	2.00E-01	0	5.60E-01	2.00E-01	0	0	0	0	0	0	4.6E-2	1.7E-2	0	0	7.5E-3	2.7E-3	6.3E-3	2.2E-3	7.6E-3	2.7E-3
191-24-2	B150151	SVOC	Benzo(g,h,i)perylene	1	/	3	0.33	9.63E-02	--	4.54E-02	0	9.63E-02	4.54E-02	0	0	0	0	0	0	8.0E-3	3.8E-3	0	0	1.3E-3	6.1E-4	1.1E-3	5.1E-4	1.3E-3	6.2E-4
207-08-9	B150151	SVOC	Benzo(k)fluoranthene	1	/	3	0.33	2.59E-01	--	9.95E-02	0	2.59E-01	9.95E-02	0	0	0	0	0	0	2.1E-2	8.2E-3	0	0	3.5E-3	1.3E-3	2.9E-3	1.1E-3	3.5E-3	1.4E-3
86-74-8	B150151	SVOC	Carbazole	1	/	3	0.33	1.11E-01	--	5.02E-02	0	1.11E-01	5.02E-02	0	0	0	0	0	0	9.2E-3	4.2E-3	0	0	1.5E-3	6.8E-4	1.2E-3	5.6E-4	1.5E-3	6.8E-4
218-01-9	B150151	SVOC	Chrysene	1	/	3	0.33	6.30E-01	--	2.23E-01	0	6.30E-01	2.23E-01	0	0	0	0	0	0	5.2E-2	1.8E-2	0	0	8.5E-3	3.0E-3	7.1E-3	2.5E-3	8.6E-3	3.0E-3
53-70-3	B150151	SVOC	Dibenzo(a,h)anthracene	1	/	3	0.33	4.28E-02	--	2.76E-02	0	4.28E-02	2.76E-02	0	0	0	0	0	0	3.5E-3	2.3E-3	0	0	5.8E-4	3.7E-4	4.8E-4	3.1E-4	5.8E-4	3.8E-4
206-44-0	B150151	SVOC	Fluoranthene	1	/	3	0.33	9.50E-01	--	3.30E-01	0	9.50E-01	3.30E-01	0	0	0	0	0	0	7.9E-2	2.7E-2	0	0	1.3E-2	4.4E-3	1.1E-2	3.7E-3	1.3E-2	4.5E-3
193-39-5	B150151	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	3	0.33	1.11E-01	--	5.04E-02	0	1.11E-01	5.04E-02	0	0	0	0	0	0	9.2E-3	4.2E-3	0	0	1.5E-3	6.8E-4	1.2E-3	5.6E-4	1.5E-3	6.9E-4
130498-29-2H	B150151	SVOC	PAHs (High MW)	1	/	3	0.33	6.88E+00	--	2.31E+00	0	7	2	1.7E-1	6.0E-2	2.9E+0	9.6E-1	0	0	2.2E+0	7.3E-1	0	0	1.1E+0	3.7E-1	4.0E-1	1.3E-1	1.2E+0	4.2E-1
130498-29-2L	B150151	SVOC	PAHs (Low MW)	1	/	6	0.17	3.05E-01	--	5.77E-02	0	3.05E-01	5.77E-02	2.3E-2	1.1E-2	1.5E-1	2.8E-2	0	0	1.1E-1	2.3E-2	0	0	6.2E-2	1.4E-2	2.0E-2	3.8E-3	6.4E-2	1.3E-2
130498-29-2	B150151	SVOC	PAHs (total)	1	/	6	0.17	7.19E+00	--	1.20E+00	0	7.19E+00	1.20E+00	0	0	0	0	0	0	6.0E-1	1.0E-1	0	0	9.7E-2	1.6E-2	8.1E-2	1.3E-2	9.8E-2	1.6E-2
129-00-0	B150151	SVOC	Pyrene	1	/	3	0.33	9.75E-01	--	3.38E-01	0	9.75E-01	3.38E-01	0	0	0	0	0	0	8.1E-2	2.8E-2	0	0	1.3E-2	4.6E-3	1.1E-2	3.8E-3	1.3E-2	4.6E-3
75-09-2	B150151	VOC	Methylene chloride	3	/	3	1.00	7.50E-03	--	7.17E-03	0	7.50E-03	7.17E-03	0	0	0	0	0	0	6.2E-4	5.9E-4	0	0	1.0E-4	9.6E-5	8.4E-5	8.0E-5	1.0E-4	9.8E-5
99-87-6	B150151	VOC	p-Isopropyltoluene	1	/	3	0.33	1.25E-03	--	7.50E-04	0	1.25E-03	7.50E-04	0	0	0	0	0	0	1.0E-4	6.2E-5	0	0	1.7E-5	1.0E-5	1.4E-5	8.4E-6	1.7E-5	1.0E-5
7429-90-5	B152	INORG	Aluminum	3	/	3	1.00	7.47E+04	--	5.34E+04	6.93E+04	5.38E+03	0 <BKG	0	0	0	0	0	0	4.5E+2	0	0	0	7.2E+1	0	6.0E+1	0	7.3E+1	0
7440-38-2	B152	INORG	Arsenic	3	/	3	1.00	8.10E+00	--	6.07E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B152	INORG	Barium	3	/	3	1.00	1.41E+02	--	1.12E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B152	INORG	Beryllium	3	/	3	1.00	6.64E-01	--	5.35E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-42-8	B152	INORG	Boron	2	/	3	0.67	2.28E+01	--	1.26E+01	8.22E+00	1.46E+01	4.41E+00	0	0	0	0	0	0	1.2E+0	3.7E-1	0	0	2.0E-1	5.9E-2	1.6E-1	4.9E-2	2.0E-1	6.0E-2
7440-43-9	B152	INORG	Cadmium	1	/	3	0.33	1.34E+00	--	6.15E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B152	INORG	Chromium	3	/	3	1.00	5.17E+01	--	4.38E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B152	INORG	Cobalt	3	/	3	1.00	1.07E+01	--	8.78E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B152	INORG	Copper	3	/	3	1.00	2.30E+01	--	2.04E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B152	INORG	Lead	3	/	3	1.00	1.78E+01	--	1.49E+01	1.28E+01	5.01E+00	2.07E+00	9.8E-2	6.0E-2	4.7E-1	2.3E-1	7.0E-1	4.8E-1	7.0E-1	3.1E-1	2.3E-1	1.6E-1	2.6E-1	1.3E-1	2.3E-1	1.3E-1	3.4E-1	1.8E-1
7439-93-2	B152	INORG	Lithium	3	/	3	1.00	1.82E+01	--	1.30E+01	1.21E+01	6.08E+00	8.50E-01	0	0	0	0	0	0	5.0E-1	7.0E-2	0	0	8.2E-2	1.1E-2	6.8E-2	9.5E-3	8.3E-2	1.2E-2
7439-96-5	B152	INORG	Manganese	2	/	2	1.00	5.56E+02	--	3.51E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B152	INORG	Mercury	3	/	3	1.00	2.20E-01	--	1.43E-01	9.20E-02	1.28E-01	5.14E-02	0	0	0	0	0	0	1.1E-2	4.3E-3	0	0	1.7E-3	6.9E-4	1.4E-3	5.8E-4	1.7E-3	7.0E-4
7439-98-7	B152	INORG	Molybdenum	1	/	3	0.33	7.92E-01	--	4.41E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B152	INORG	Nickel	3	/	3	1.00	2.02E+01	--	1.79E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B152	INORG	Selenium	1	/	3	0.33	7.91E+00	--	3.89E+00	5.23E+00	2.68E+00	0 <BKG	2.3E-1	0	3.1E-1	0	3.1E-1	0	4.5E-1	0	1.0E-1	0	2.2E-1	0	1.2E-1	0	2.1E-1	0
7440-24-6	B152	INORG	Strontium	3	/	3	1.00	1.53E+01	--	1.08E+01	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B152	INORG	Thallium	1	/	3	0.33	4.11E+00	--	4.38E+00	4.10E+00	1.17E-02	2.78E-01	0	0	0	0	0	0	9.7E-4	2.3E-2	0	0	1.6E-4	3.7E-3	1.3E-4	3.1E-3	1.6E-4	3.8E-3
7440-32-6	B152	INORG	Titanium	3	/	3	1.00	1.05E+03	--	9.60E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B152	INORG	Vanadium	3	/	3	1.00	9.30E+01	--	6.94E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B152	INORG	Zinc	3	/	3	1.00	4.65E+01	--	4.10E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121-82-4	B152	Nitroaromatic	RDX	1	/	3	0.33	4.90E-01	--	2.25E-01	0	4.90E-01	2.25E-01	3.2E-2	1.5E-2	2.9E-2	1.3E-2	0	0	6.5E-2	3.0E-2	0	0	2.7E-2	1.2E-2	8.7E-3	4.0E-3	2.0E-2	9.2E-3
7429-90-5	B153	INORG	Aluminum	4	/	4	1.00	4.07E+04	--	3.13E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B153	INORG	Arsenic	4	/	4	1.00	6.27E+00	--	4.22E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B153	INORG	Barium	4	/	4	1.00	1.01E+02	--	8.09E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B153	INORG	Beryllium	4	/	4	1.00	1.12E+00	--	8.41E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B153	INORG	Boron	1	/	4	0.25	1.39E+00	--	7.65E-01	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B153	INORG	Chromium	4	/	4	1.00	6.75E+01	--	4.37E+01	6.03E+01	7.17E+00	0 <BKG	4.4E-2	0	3.5E-1	0	3.2E-1	0	8.0E-1	0	1.0E-1	0	2.3E-1	0	1.7E-1	0	2.8E-1	0
7440-48-4	B153	INORG	Cobalt	4	/	4	1.00	1.00E+01	--	8.30E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B153	INORG	Copper	4	/	4	1.00	2.60E+01	--	2.00E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B153	INORG	Lead	4	/	4	1.00	1.72E+01	--	1.38E+01	1.28E+01	4.41E+00	9.58E-01	9.1E-2	3.9E-2	4.3E-1	1.2E-1	6.7E-1	3.4E-1	6.2E-1	1.6E-1	2.2E-1	1.1E-1	2.3E-1	6.8E-2	2.1E-1	8.2E-2	3.1E-1	1.0E-1
7439-93-2	B153	INORG	Lithium	4	/	4	1.00	1.35E+01	--	1.07E+01	1.21E+01	1.38E+00	0 <BKG	0	0	0	0	0	0	1.1E-1	0	0	0	1.9E-2	0	1.5E-2	0	1.9E-2	0
7439-96-5	B153	INORG	Manganese	4	/	4	1.00	3.92E+02	--	2.43E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B153	INORG	Mercury	4	/	4	1.00	5.31E-02	--	4.32E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B153	INORG	Nickel	4	/	4	1.00	1.99E+01	--	1.54E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B153	INORG	Strontium	4	/	4	1.00	8.78E+00	--	6.14E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B153	INORG	Thallium	2	/	4	0.50	4.27E+00	--	3.40E+00	4.10E+00	1.72E-01	0 <BKG	0	0	0	0	0	0	1.4E-2	0	0	0	2.3E-3	0	1.9E-3	0	2.3E-3	0
7440-32-6	B153	INORG	Titanium	4	/	4	1.00	1.42E+03	--	1.06E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B153	INORG	Vanadium	4	/	4	1.00	5.69E+01	--	4.85E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B153	INORG	Zinc	4	/	4	1.00	2.81E+02	--	1.07E+02	8.96E+01	1.91E+02	1.78E+01	1.3E+1	3.6E+0	7.7E+1	3.5E+1	3.6E+1	3.1E+1	6.1E+1	2.1E+1	1.2E+1	1.0E+1	3.3E+1	1.3E+1	1.7E+1	9.3E+0	3.8E+1	1.8E+1
319-86-8	B153	PEST	delta-BHC	1	/	1	1.00	5.90E-04	--	5.90E-04	0	5.90E-04	5.90E-04	0	0	0	0	0	0	4.9E-5	4.9E-5	0	0	7.9E-6	7.9E-6	6.6E-6	6.6E-6	8.0E-6	8.0E-6
115-29-7	B153	PEST	Endosulfan	1	/	1	1.00	1.60E-03	--	1.60E-03	0	1.60E-03	1.60E-03	8.2E-5	8.2E-5	3.6E-4	3.6E-4	1.7E-3	1.7E-3	3.5E-4	3.5E-4	5.6E-4	5.6E-4	1.7E-4	1.7E-4	3.5E-4	3.5E-4	3.7E-4	3.7E-4
1024-57-3	B153	PEST	Heptachlor epoxide	1	/	1	1.00	3.10E-03	--	3.10E-03	0	3.10E-03	3.10E-03	1.4E-5	1.4E-5	6.9E-4	6.9E-4	3.4E-3	3.4E-3	6.3E-4	6.3E-4	1.1E-3	1.1E-3	2.8E-4	2.8E-4	6.8E-4	6.8E-4	7.0E-4	7.0E-4
108-95-2	B153	SVOC	Phenol	1	/	4	0.25	7.20E-01	--	1.96E-01	0	7.20E-01	1.96E-01	6.0E-1	1.6E-1	1.3E-1	3.5E-2	0	0	3.0E-1	8.2E-2	0	0	2.5E-1	6.9E-2	2.3E-2	6.1E-3	9.5E-2	2.6E-2
67-64-1	B153	VOC	Acetone	1	/	4	0.25	1.60E-02	--	8.50E-03	0	1.60E-02	8.50E-03	0	0	0	0	0	0	1.3E-3	7.0E-4	0	0	2.2E-4	1.1E-4	1.8E-4	9.5E-5	2.2E-4	1.2E-4
75-09-2	B153	VOC	Methylene chloride	4	/	4	1.00	2.10E-02	--	1.24E-02	0	2.10E-02	1.24E-02	0	0	0	0	0	0	1.7E-3	1.0E-3	0	0	2.8E-4	1.7E-4	2.4E-4	1.4E-4	2.9E-4	1.7E-4
7429-90-5	B154	INORG	Aluminum	3	/	3	1.00	4.37E+04	--	3.92E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B154	INORG	Barium	3	/	3	1.00	2.69E+02	--	1.84E+02	2.36E+02	3.32E+01	0 <BKG	7.8E-1	0	4.8E-1	0	3.6E-3	0	3.2E+0	0	1.2E-3	0	8.7E-1	0	4.3E-1	0	6.9E-1	0
7440-41-7	B154	INORG	Beryllium	3	/	3	1.00	2.98E+00	--	2.15E+00	2.05E+00	9.33E-01	1.01E-01	8.9E-2	1.7E-2	6.7E-3	7.3E-4	3.4E-5	3.6E-6	1.1E-1	1.4E-2	1.1E-5	1.2E-6	4.5E-2	7.3E-3	1.1E-2	1.2E-3	2.0E-2	2.6E-3
7440-42-8	B154	INORG	Boron	3	/	3	1.00	1.93E+01	--	1.63E+01	8.22E+00	1.11E+01	8.05E+00	0	0	0	0	0	0	9.2E-1	6.7E-1	0	0	1.5E-1	1.1E-1	1.2E-1	9.0E-2	1.5E-1	1.1E-1
7440-43-9	B154	INORG	Cadmium	1	/	3	0.33	7.22E-01	--	5.06E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B154	INORG	Chromium	3	/	3	1.00	4.68E+01	--	3.92E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B154	INORG	Cobalt	3	/	3	1.00	3.09E+01	--	2.21E+01	2.73E+01	3.60E+00	0 <BKG	4.1E-3	0	7.0E-2	0	2.0E-2	0	3.4E-1	0	6.4E-3	0	7.4E-2	0	5.2E-2	0	8.0E-2	0
7440-50-8	B154	INORG	Copper	3	/	3	1.00	7.23E+01	--	4.97E+01	5.28E+01	1.95E+01	0 <BKG	9.4E-1	0	1.6E+0	0	3.8E+0	0	2.8E+0	0	1.2E+0	0	1.1E+0	0	1.0E+0	0	1.4E+0	0
7439-92-1	B154	INORG	Lead	3	/	3	1.00	1.78E+01	--	1.45E+01	1.28E+01	5.01E+00	1.67E+00	9.8E-2	5.3E-2	4.7E-1	1.9E-1	7.0E-1	4.3E-1	7.0E-1	2.6E-1	2.3E-1	1.4E-1	2.6E-1	1.1E-1	2.3E-1	1.1E-1	3.4E-1	1.5E-1
7439-93-2	B154	INORG	Lithium	3	/	3	1.00	1.90E+01	--	1.33E+01	1.21E+01	6.88E+00	1.22E+00	0	0	0	0	0	0	5.7E-1	1.0E-1	0	0	9.3E-2	1.6E-2	7.7E-2	1.4E-2	9.4E-2	1.7E-2
7439-96-5	B154	INORG	Manganese	3	/	3	1.00	1.69E+03	--	9.52E+02	1.13E+03	5.63E+02	0 <BKG	6.7E+0	0	5.4E+0	0	3.7E+0	0	5.1E+1	0	1.2E+0	0	1.2E+1	0	7.5E+0	0	1.1E+1	0
7439-97-6	B154	INORG	Mercury	1	/	3	0.33	1.82E-02	--	1.03E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B154	INORG	Molybdenum	1	/	3	0.33	1.61E+00	--	7.10E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B154	INORG	Nickel	3	/	3	1.00	6.08E+01	--	3.68E+01	4.23E+01	1.86E+01	0 <BKG	1.4E-1	0	5.9E-2	0	9.8E-1	0	1.6E+0	0	3.2E-1	0	3.2E-1	0	3.8E-1	0	4.0E-1	0
7782-49-2	B154	INORG	Selenium	1	/	3	0.33	1.31E+00	--	2.29E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B154	INORG	Strontium	3	/	3	1.00	3.83E+00	--	3.51E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	B154	INORG	Thallium	2	/	3	0.67	1.18E+01	--	5.99E+00	4.10E+00	7.70E+00	1.89E+00	0	0	0	0	0	0	6.4E-1	1.6E-1	0	0	1.0E-1	2.5E-2	8.6E-2	2.1E-2	1.0E-1	2.6E-2
7440-32-6	B154	INORG	Titanium	3	/	3	1.00	2.23E+03	--	1.89E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B154	INORG	Vanadium	3	/	3	1.00	7.48E+01	--	5.90E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B154	INORG	Zinc	3	/	3	1.00	1.86E+02	--	1.36E+02	8.96E+01	9.65E+01	4.61E+01	9.1E+0	6.0E+0	6.1E+1	4.8E+1	3.5E+1	3.3E+1	4.4E+1	3.1E+1	1.1E+1	1.1E+1	2.5E+1	1.9E+1	1.4E+1	1.1E+1	3.0E+1	2.4E+1
86-57-7	B154	Nitroaromatic	1-Nitronaphthalene	1	/	3	0.33	3.50E-01	--	1.55E-01	0	3.50E-01	1.55E-01	0	0	0	0	0	0	2.9E-2	1.3E-2	0	0	4.7E-3	2.1E-3	3.9E-3	1.7E-3	4.8E-3	2.1E-3
7429-90-5	B155	INORG	Aluminum	6	/	6	1.00	6.92E+04	5.09E+04	3.69E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B155	INORG	Arsenic	1	/	6	0.17	1.68E+00	--	1.55E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B155	INORG	Barium	6	/	6	1.00	2.26E+02	--	1.19E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B155	INORG	Beryllium	6	/	6	1.00	8.87E-01	--	6.47E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B155	INORG	Boron	3	/	6	0.50	1.35E+01	1.24E+01	6.65E+00	8.22E+00	5.28E+00	4.20E+00	0	0	0	0	0	0	4.4E-1	3.5E-1	0	0	7.1E-2	5.7E-2	5.9E-2	4.7E-2	7.2E-2	5.7E-2
7440-43-9	B155	INORG	Cadmium	4	/	6	0.67	1.32E+00	8.49E-01	5.10E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B155	INORG	Chromium	6	/	6	1.00	5.62E+01	4.78E+01	3.86E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B155	INORG	Cobalt	6	/	6	1.00	2.50E+01	2.08E+01	1.30E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B155	INORG	Copper	6	/	6	1.00	4.25E+01	3.73E+01	2.83E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B155	INORG	Lead	6	/	6	1.00	1.18E+01	1.06E+01	9.34E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	B155	INORG	Lithium	6	/	6	1.00	7.80E+00	7.42E+00	6.25E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B155	INORG	Manganese	3	/	3	1.00	1.62E+03	--	9.23E+02	1.13E+03	4.93E+02	0 <BKG	5.8E+0	0	4.9E+0	0	3.2E+0	0	4.5E+1	0	1.1E+0	0	1.0E+1	0	6.6E+0	0	9.4E+0	0
7439-97-6	B155	INORG	Mercury	6	/	6	1.00	7.63E-02	--	4.14E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B155	INORG	Molybdenum	3	/	6	0.50	8.00E-01	--	6.54E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B155	INORG	Nickel	6	/	6	1.00	2.82E+01	--	1.73E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B155	INORG	Strontium	6	/	6	1.00	1.88E+01	--	6.96E+00	1.59E+01	2.88E+00	0 <BKG	0	0	0	0	0	0	2.4E-1	0	0	0	3.9E-2	0	3.2E-2	0	3.9E-2	0
7440-28-0	B155	INORG	Thallium	2	/	6	0.33	3.93E+00	3.72E+00	2.88E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B155	INORG	Titanium	6	/	6	1.00	1.10E+03	1.08E+03	9.71E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B155	INORG	Vanadium	6	/	6	1.00	7.09E+01	6.32E+01	5.33E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B155	INORG	Zinc	6	/	6	1.00	5.19E+01	4.88E+01	3.99E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-65-0	B155	Nitroaromatic	1,3-Dinitrobenzene	3	/	6	0.50	8.90E-01	5.88E-01	2.63E-01	0	8.90E-01	5.88E-01	0	0	0	0	0	0	7.4E-2	4.9E-2	0	0	1.2E-2	7.9E-3	1.0E-2	6.6E-3	1.2E-2	8.0E-3

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
115-29-7	B155	PEST	Endosulfan	1	/	1	1.00	2.50E-03	--	2.50E-03	0	2.50E-03	2.50E-03	1.3E-4	1.3E-4	5.6E-4	5.6E-4	2.7E-3	2.7E-3	5.5E-4	5.5E-4	8.8E-4	8.8E-4	2.7E-4	2.7E-4	5.5E-4	5.5E-4	5.7E-4	5.7E-4
89-98-5	B155	SVOC	ortho-Chlorobenzaldehyd	1	/	6	0.17	1.00E-01	--	3.43E-02	0	1.00E-01	3.43E-02	0	0	0	0	0	0	8.3E-3	2.8E-3	0	0	1.3E-3	4.6E-4	1.1E-3	3.8E-4	1.4E-3	4.7E-4
67-64-1	B155	VOC	Acetone	2	/	4	0.50	1.80E-02	--	1.11E-02	0	1.80E-02	1.11E-02	0	0	0	0	0	0	1.5E-3	9.2E-4	0	0	2.4E-4	1.5E-4	2.0E-4	1.2E-4	2.5E-4	1.5E-4
75-09-2	B155	VOC	Methylene chloride	2	/	4	0.50	5.00E-03	--	2.63E-03	0	5.00E-03	2.63E-03	0	0	0	0	0	0	4.1E-4	2.2E-4	0	0	6.7E-5	3.5E-5	5.6E-5	2.9E-5	6.8E-5	3.6E-5
7429-90-5	B156	INORG	Aluminum	3	/	3	1.00	4.02E+04	--	3.23E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	B156	INORG	Antimony	2	/	3	0.67	2.18E+00	--	1.52E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B156	INORG	Arsenic	3	/	3	1.00	4.25E+00	--	3.88E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B156	INORG	Barium	3	/	3	1.00	9.62E+01	--	8.97E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	B156	INORG	Boron	3	/	3	1.00	1.44E+01	--	1.29E+01	8.22E+00	6.18E+00	4.68E+00	0	0	0	0	0	0	5.1E-1	3.9E-1	0	0	8.3E-2	6.3E-2	6.9E-2	5.2E-2	8.4E-2	6.4E-2
7440-43-9	B156	INORG	Cadmium	1	/	3	0.33	1.42E+00	--	5.34E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B156	INORG	Chromium	3	/	3	1.00	5.28E+01	--	4.40E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B156	INORG	Cobalt	3	/	3	1.00	1.01E+01	--	9.48E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B156	INORG	Copper	3	/	3	1.00	6.28E+01	--	3.52E+01	5.28E+01	1.00E+01	0 <BKG	7.3E-1	0	8.3E-1	0	3.4E+0	0	1.5E+0	0	1.1E+0	0	6.6E-1	0	7.8E-1	0	9.0E-1	0
7439-92-1	B156	INORG	Lead	3	/	3	1.00	2.99E+01	--	1.90E+01	1.28E+01	1.71E+01	6.17E+00	2.0E-1	1.1E-1	1.3E+0	5.6E-1	1.2E+0	7.7E-1	2.2E+0	8.4E-1	4.0E-1	2.5E-1	7.2E-1	3.1E-1	5.4E-1	2.6E-1	8.9E-1	4.0E-1
7439-93-2	B156	INORG	Lithium	3	/	3	1.00	9.70E+00	--	9.07E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	B156	INORG	Manganese	3	/	3	1.00	4.80E+02	--	2.59E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B156	INORG	Mercury	3	/	3	1.00	6.63E-02	--	4.81E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	B156	INORG	Molybdenum	1	/	3	0.33	9.43E-01	--	5.15E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B156	INORG	Nickel	3	/	3	1.00	2.04E+01	--	1.72E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B156	INORG	Selenium	3	/	3	1.00	3.77E+00	--	3.09E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	B156	INORG	Silver	2	/	3	0.67	3.82E-01	--	2.75E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B156	INORG	Strontium	3	/	3	1.00	9.15E+00	--	7.21E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B156	INORG	Titanium	3	/	3	1.00	1.40E+03	--	1.25E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B156	INORG	Vanadium	3	/	3	1.00	6.82E+01	--	5.25E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B156	INORG	Zinc	3	/	3	1.00	1.85E+02	--	9.68E+01	8.96E+01	9.55E+01	7.22E+00	9.1E+0	2.2E+0	6.1E+1	2.6E+1	3.5E+1	2.9E+1	4.3E+1	1.5E+1	1.1E+1	9.4E+0	2.5E+1	9.6E+0	1.4E+1	7.9E+0	3.0E+1	1.4E+1
65-85-0	B156	SVOC	Benzoic acid	1	/	3	0.33	3.20E-01	--	1.80E-01	0	3.20E-01	1.80E-01	0	0	0	0	0	0	2.7E-2	1.5E-2	0	0	4.3E-3	2.4E-3	3.6E-3	2.0E-3	4.4E-3	2.5E-3
67-64-1	B156	VOC	Acetone	1	/	1	1.00	1.00E-02	--	1.00E-02	0	1.00E-02	1.00E-02	0	0	0	0	0	0	8.3E-4	8.3E-4	0	0	1.3E-4	1.3E-4	1.1E-4	1.1E-4	1.4E-4	1.4E-4
98-82-8	B156	VOC	Isopropylbenzene	1	/	1	1.00	1.00E-03	--	1.00E-03	0	1.00E-03	1.00E-03	0	0	0	0	0	0	8.3E-5	8.3E-5	0	0	1.3E-5	1.3E-5	1.1E-5	1.1E-5	1.4E-5	1.4E-5
99-87-6	B156	VOC	p-Isopropyltoluene	1	/	1	1.00	2.00E-03	--	2.00E-03	0	2.00E-03	2.00E-03	0	0	0	0	0	0	1.7E-4	1.7E-4	0	0	2.7E-5	2.7E-5	2.2E-5	2.2E-5	2.7E-5	2.7E-5
7429-90-5	B-E-R	INORG	Aluminum	3	/	3	1.00	4.45E+04	--	3.31E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	B-E-R	INORG	Arsenic	3	/	3	1.00	5.50E+00	--	4.14E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	B-E-R	INORG	Barium	3	/	3	1.00	2.08E+02	--	1.42E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	B-E-R	INORG	Beryllium	2	/	3	0.67	1.79E+00	--	1.04E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	B-E-R	INORG	Cadmium	3	/	3	1.00	1.82E+00	--	1.07E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	B-E-R	INORG	Chromium	3	/	3	1.00	4.01E+01	--	2.72E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	B-E-R	INORG	Cobalt	3	/	3	1.00	1.66E+01	--	9.93E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	B-E-R	INORG	Copper	3	/	3	1.00	4.72E+01	--	2.43E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	B-E-R	INORG	Lead	3	/	3	1.00	1.37E+01	--	1.17E+01	1.28E+01	9.06E-01	0 <BKG	3.8E-2	0	1.2E-1	0	3.3E-1	0	1.5E-1	0	1.1E-1	0	6.5E-2	0	7.9E-2	0	9.9E-2	0
7439-96-5	B-E-R	INORG	Manganese	3	/	3	1.00	8.94E+02	--	4.54E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	B-E-R	INORG	Mercury	1	/	3	0.33	4.15E-02	--	1.84E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	B-E-R	INORG	Nickel	3	/	3	1.00	3.02E+01	--	1.82E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	B-E-R	INORG	Selenium	2	/	3	0.67	3.05E+00	--	2.06E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	B-E-R	INORG	Strontium	3	/	3	1.00	7.60E+00	--	4.31E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	B-E-R	INORG	Titanium	3	/	3	1.00	2.12E+03	--	1.51E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	B-E-R	INORG	Vanadium	3	/	3	1.00	6.26E+01	--	4.20E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	B-E-R	INORG	Zinc	3	/	3	1.00	9.18E+01	--	6.91E+01	8.96E+01	2.25E+00	0 <BKG	1.1E+0	0	1.8E+1	0	2.7E+1	0	1.0E+1	0	8.7E+0	0	6.4E+0	0	6.5E+0	0	1.0E+1	0
7429-90-5	BGS	INORG	Aluminum	12	/	12	1.00	5.49E+04	--	3.47E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	BGS	INORG	Antimony	9	/	12	0.75	2.53E+00	--	1.98E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	BGS	INORG	Arsenic	6	/	12	0.50	6.31E+00	--	1.71E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	BGS	INORG	Barium	12	/	12	1.00	2.14E+02	--	1.48E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	BGS	INORG	Beryllium	4	/	12	0.33	2.16E+00	--	7.52E-01	2.05E+00	1.13E-01	0 <BKG	1.8E-2	0	8.1E-4	0	4.1E-6	0	1.5E-2	0	1.3E-6	0	8.0E-3	0	1.4E-3	0	2.9E-3	0
7440-42-8	BGS	INORG	Boron	1	/	12	0.08	6.60E+00	--	2.33E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	BGS	INORG	Cadmium	12	/	12	1.00	1.11E+00	--	7.71E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	BGS	INORG	Chromium	12	/	12	1.00	4.98E+01	--	3.58E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	BGS	INORG	Cobalt	12	/	12	1.00	2.48E+01	--	1.36E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	BGS	INORG	Copper	12	/	12	1.00	4.87E+01	--	2.64E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	BGS	INORG	Lead	12	/	12	1.00	1.44E+01	--	8.86E+00	1.28E+01	1.61E+00	0 <BKG	5.2E-2	0	1.9E-1	0	4.3E-1	0	2.5E-1	0	1.4E-1	0	1.0E-1	0	1.1E-1	0	1.5E-1	0
7439-93-2	BGS	INORG	Lithium	12	/	12	1.00	1.23E+01	--	6.06E+00	1.21E+01	1.83E-01	0 <BKG	0	0	0	0	0	0	1.5E-2	0	0	0	2.5E-3	0	2.1E-3	0	2.5E-3	0
7439-96-5	BGS	INORG	Manganese	12	/	12	1.00	1.74E+03	--	5.64E+02	1.13E+03	6.13E+02	0 <BKG	7.3E+0	0	5.7E+0	0	4.0E+0	0	5.6E+1	0	1.3E+0	0	1.3E+1	0	8.2E+0	0	1.1E+1	0
7439-97-6	BGS	INORG	Mercury	12	/	12	1.00	7.20E-02	--	3.31E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	BGS	INORG	Molybdenum	3	/	12	0.25	8.73E-01	--	5.89E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	BGS	INORG	Nickel	12	/	12	1.00	3.06E+01	--	2.11E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	BGS	INORG	Strontium	12	/	12	1.00	1.51E+01	--	7.96E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	BGS	INORG	Titanium	12	/	12	1.00	1.94E+03	--	1.15E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	BGS	INORG	Vanadium	12	/	12	1.00	7.97E+01	--	5.39E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	BGS	INORG	Zinc	12	/	12	1.00	7.72E+01	--	4.48E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7429-90-5	BP	INORG	Aluminum	4	/	4	1.00	4.71E+04	--	3.66E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	BP	INORG	Arsenic	4	/	4	1.00	6.35E+00	--	5.21E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	BP	INORG	Barium	4	/	4	1.00	8.81E+02	--	2.99E+02	2.36E+02	6.45E+02	6.33E+01	1.5E+1	1.5E+0	9.4E+0	9.2E-1	7.0E-2	6.9E-3	6.3E+1	6.2E+0	2.3E-2	2.3E-3	1.7E+1	1.7E+0	8.3E+0	8.1E-1	1.3E+1	1.3E+0
7440-41-7	BP	INORG	Beryllium	4	/	4	1.00	1.28E+00	--	8.15E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	BP	INORG	Boron	2	/	4	0.50	3.11E+01	--	8.82E+00	8.22E+00	2.29E+01	6.02E-01	0	0	0	0	0	0	1.9E+0	5.0E-2	0	0	3.1E-1	8.1E-3	2.6E-1	6.7E-3	3.1E-1	8.2E-3
7440-43-9	BP	INORG	Cadmium	4	/	4	1.00	2.33E+00	--	2.21E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	BP	INORG	Chromium	4	/	4	1.00	9.98E+01	--	5.55E+01	6.03E+01	3.95E+01	0 <BKG	2.4E-1	0	1.9E+0	0	1.1E+0	0	4.4E+0	0	3.6E-1	0	1.3E+0	0	8.4E-1	0	1.4E+0	0
7440-48-4	BP	INORG	Cobalt	4	/	4	1.00	2.08E+01	--	1.37E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	BP	INORG	Copper	4	/	4	1.00	4.11E+01	--	3.64E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	BP	INORG	Lead	4	/	4	1.00	6.08E+01	--	3.54E+01	1.28E+01	4.80E+01	2.26E+01	3.5E-1	2.3E-1	2.9E+0	1.6E+0	1.9E+0	1.4E+0	5.6E+0	2.8E+0	6.2E-1	4.5E-1	1.7E+0	9.2E-1	1.2E+0	6.6E-1	2.1E+0	1.1E+0
7439-93-2	BP	INORG	Lithium	4	/	4	1.00	7.70E+00	--	6.14E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	BP	INORG	Manganese	1	/	1	1.00	7.77E+02	--	7.77E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	BP	INORG	Mercury	4	/	4	1.00	1.00E-01	--	8.11E-02	9.20E-02	7.97E-03	0 <BKG	0	0	0	0	0	0	6.6E-4	0	0	0	1.1E-4	0	8.9E-5	0	1.1E-4	0
7439-98-7	BP	INORG	Molybdenum	3	/	4	0.75	8.78E-01	--	5.87E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	BP	INORG	Nickel	4	/	4	1.00	2.15E+01	--	1.68E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	BP	INORG	Perchlorate	1	/	4	0.25	2.57E-02	--	7.44E-03	0	2.57E-02	7.44E-03	0	0	0	0	0	0	2.1E-3	6.2E-4	0	0	3.5E-4	1.0E-4	2.9E-4	8.3E-5	3.5E-4	1.0E-4
7782-49-2	BP	INORG	Selenium	4	/	4	1.00	2.36E+00	--	2.13E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	BP	INORG	Silver	4	/	4	1.00	1.57E+00	--	7.61E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-24-6	BP	INORG	Strontium	4	/	4	1.00	1.35E+01	--	1.05E+01	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-31-5	BP	INORG	Tin	1	/	4	0.25	1.74E+01	--	5.27E+00	5.26E+00	1.21E+01	4.17E-03	0	0	0	0	0	0	1.0E+0	3.5E-4	0	0	1.6E-1	5.6E-5	1.4E-1	4.7E-5	1.7E-1	5.7E-5
7440-32-6	BP	INORG	Titanium	3	/	3	1.00	9.55E+02	--	8.50E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	BP	INORG	Vanadium	4	/	4	1.00	6.41E+01	--	5.65E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	BP	INORG	Zinc	4	/	4	1.00	2.00E+02	--	9.56E+01	8.96E+01	1.10E+02	6.06E+00	9.8E+0	2.0E+0	6.4E+1	2.5E+1	3.5E+1	2.9E+1	4.6E+1	1.4E+1	1.1E+1	9.3E+0	2.6E+1	9.1E+0	1.4E+1	7.6E+0	3.1E+1	1.3E+1
118-96-7	BP	Nitroaromatic	2,4,6-Trinitrotoluene	1	/	4	0.25	3.60E-01	--	1.39E-01	0	3.60E-01	1.39E-01	2.3E-1	8.8E-2	8.4E-2	3.2E-2	0	0	1.4E-1	5.4E-2	0	0	1.1E-1	4.2E-2	1.3E-2	5.2E-3	5.1E-2	2.0E-2
121-82-4	BP	Nitroaromatic	RDX	1	/	4	0.25	1.02E+00	--	3.04E-01	0	1.02E+00	3.04E-01	6.6E-2	2.0E-2	6.0E-2	1.8E-2	0	0	1.4E-1	4.0E-2	0	0	5.6E-2	1.7E-2	1.8E-2	5.4E-3	4.2E-2	1.2E-2
117-81-7	BP	SVOC	bis (2-Ethylhexyl) phthalat	2	/	4	0.50	2.50E-01	--	1.25E-01	0	2.50E-01	1.25E-01	0	0	0	0	0	0	2.1E-2	1.0E-2	0	0	3.4E-3	1.7E-3	2.8E-3	1.4E-3	3.4E-3	1.7E-3
2698-41-1	BP	SVOC	CS (ortho-Chlorobenzylid	1	/	4	0.25	1.20E+00	--	3.80E-01	0	1.20E+00	3.80E-01	0	0	0	0	0	0	9.9E-2	3.1E-2	0	0	1.6E-2	5.1E-3	1.3E-2	4.3E-3	1.6E-2	5.2E-3
84-74-2	BP	SVOC	Dibutyl phthalate	3	/	4	0.75	8.40E-01	--	2.71E-01	0	8.40E-01	2.71E-01	0	0	0	0	0	0	7.0E-2	2.2E-2	0	0	1.1E-2	3.7E-3	9.4E-3	3.0E-3	1.1E-2	3.7E-3
84-66-2	BP	SVOC	Diethylphthalate	2	/	4	0.50	7.90E-01	--	2.36E-01	0	7.90E-01	2.36E-01	0	0	0	0	0	0	6.5E-2	2.0E-2	0	0	1.1E-2	3.2E-3	8.9E-3	2.6E-3	1.1E-2	3.2E-3
89-98-5	BP	SVOC	ortho-Chlorobenzaldehyd	2	/	4	0.50	9.20E-01	--	3.19E-01	0	9.20E-01	3.19E-01	0	0	0	0	0	0	7.6E-2	2.6E-2	0	0	1.2E-2	4.3E-3	1.0E-2	3.6E-3	1.3E-2	4.3E-3
108-95-2	BP	SVOC	Phenol	1	/	4	0.25	3.70E-01	--	1.09E-01	0	3.70E-01	1.09E-01	3.1E-1	9.1E-2	6.6E-2	2.0E-2	0	0	1.6E-1	4.6E-2	0	0	1.3E-1	3.8E-2	1.2E-2	3.4E-3	4.9E-2	1.4E-2
71-43-2	BP	VOC	Benzene	2	/	4	0.50	9.00E-04	--	5.75E-04	0	9.00E-04	5.75E-04	0	0	0	0	0	0	7.5E-5	4.8E-5	0	0	1.2E-5	7.7E-6	1.0E-5	6.4E-6	1.2E-5	7.8E-6
108-88-3	BP	VOC	Toluene	1	/	4	0.25	2.00E-03	--	8.75E-04	0	2.00E-03	8.75E-04	0	0	0	0	0	0	1.7E-4	7.2E-5	0	0	2.7E-5	1.2E-5	2.2E-5	9.8E-6	2.7E-5	1.2E-5
7429-90-5	BVL	INORG	Aluminum	1	/	1	1.00	4.14E+04	--	4.14E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	BVL	INORG	Barium	1	/	1	1.00	1.61E+02	--	1.61E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	BVL	INORG	Beryllium	1	/	1	1.00	1.21E+00	--	1.21E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	BVL	INORG	Boron	1	/	1	1.00	2.22E+01	--	2.22E+01	8.22E+00	1.40E+01	1.40E+01	0	0	0	0	0	0	1.2E+0	1.2E+0	0	0	1.9E-1	1.9E-1	1.6E-1	1.6E-1	1.9E-1	1.9E-1
7440-47-3	BVL	INORG	Chromium	1	/	1	1.00	4.86E+01	--	4.86E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	BVL	INORG	Cobalt	1	/	1	1.00	2.03E+01	--	2.03E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	BVL	INORG	Copper	1	/	1	1.00	3.93E+01	--	3.93E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	BVL	INORG	Lead	1	/	1	1.00	7.27E+00	--	7.27E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	BVL	INORG	Lithium	1	/	1	1.00	1.05E+01	--	1.05E+01	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	BVL	INORG	Manganese	1	/	1	1.00	4.28E+02	--	4.28E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	BVL	INORG	Mercury	1	/	1	1.00	3.19E-02	--	3.19E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	BVL	INORG	Nickel	1	/	1	1.00	2.77E+01	--	2.77E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	BVL	INORG	Strontium	1	/	1	1.00	6.60E+00	--	6.60E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	BVL	INORG	Titanium	1	/	1	1.00	1.55E+03	--	1.55E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	BVL	INORG	Vanadium	1	/	1	1.00	6.30E+01	--	6.30E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	BVL	INORG	Zinc	1	/	1	1.00	1.23E+02	--	1.23E+02	8.96E+01	3.35E+01	3.35E+01	5.1E+0	5.1E+0	4.3E+1	4.3E+1	3.2E+1	3.2E+1	2.8E+1	2.8E+1	1.0E+1	1.0E+1	1.7E+1	1.7E+1	1.1E+1	1.1E+1	2.2E+1	2.2E+1
7429-90-5	DA23	INORG	Aluminum	3	/	3	1.00	4.13E+04	--	3.69E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-36-0	DA23	INORG	Antimony	2	/	3	0.67	2.37E+00	--	1.78E+00	5.09E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	DA23	INORG	Barium	3	/	3	1.00	2.57E+02	--	2.12E+02	2.36E+02	2.12E+01	0 <BKG	5.0E-1	0	3.1E-1	0	2.3E-3	0	2.1E+0	0	7.6E-4	0	5.6E-1	0	2.7E-1	0	4.4E-1	0
7440-41-7	DA23	INORG	Beryllium	3	/	3	1.00	1.62E+00	--	1.37E+00	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	DA23	INORG	Boron	1	/	3	0.33	2.39E+00	--	1.16E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	DA23	INORG	Cadmium	3	/	3	1.00	1.96E+00	--	1.82E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	DA23	INORG	Chromium	3	/	3	1.00	5.41E+01	--	4.56E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	DA23	INORG	Cobalt	3	/	3	1.00	1.69E+01	--	1.51E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	DA23	INORG	Copper	3	/	3	1.00	4.45E+01	--	3.69E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	DA23	INORG	Lead	3	/	3	1.00	2.00E+01	--	1.01E+01	1.28E+01	7.21E+00	0 <BKG	1.2E-1	0	6.3E-1	0	8.3E-1	0	9.7E-1	0	2.7E-1	0	3.5E-1	0	2.9E-1	0	4.5E-1	0
7439-93-2	DA23	INORG	Lithium	3	/	3	1.00	9.25E+00	--	8.65E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	DA23	INORG	Manganese	3	/	3	1.00	9.81E+02	--	8.15E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	DA23	INORG	Mercury	2	/	3	0.67	4.49E-02	--	2.23E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	DA23	INORG	Nickel	3	/	3	1.00	3.00E+01	--	2.40E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	DA23	INORG	Selenium	2	/	3	0.67	2.52E+00	--	1.77E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	DA23	INORG	Strontium	3	/	3	1.00	8.36E+00	--	5.37E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	DA23	INORG	Titanium	3	/	3	1.00	2.79E+03	--	2.15E+03	2.31E+03	4.81E+02	0 <BKG	0	0	0	0	0	0	4.0E+1	0	0	0	6.5E+0	0	5.4E+0	0	6.5E+0	0
7440-62-2	DA23	INORG	Vanadium	3	/	3	1.00	6.47E+01	--	5.96E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	DA23	INORG	Zinc	3	/	3	1.00	1.33E+02	--	1.11E+02	8.96E+01	4.35E+01	2.16E+01	5.9E+0	4.0E+0	4.7E+1	3.7E+1	3.3E+1	3.1E+1	3.1E+1	2.3E+1	1.1E+1	1.0E+1	1.8E+1	1.4E+1	1.1E+1	9.7E+0	2.3E+1	1.9E+1
99-35-4	DA23	Nitroaromatic	1,3,5-Trinitrobenzene	1	/	4	0.25	1.30E+01	--	3.30E+00	0	1.30E+01	3.30E+00	0	0	0	0	0	0	1.1E+0	2.7E-1	0	0	1.7E-1	4.4E-2	1.5E-1	3.7E-2	1.8E-1	4.5E-2
100-25-4	DA23	Nitroaromatic	1,4-Dinitrobenzene	1	/	4	0.25	7.50E-01	--	2.36E-01	0	7.50E-01	2.36E-01	0	0	0	0	0	0	6.2E-2	2.0E-2	0	0	1.0E-2	3.2E-3	8.4E-3	2.6E-3	1.0E-2	3.2E-3
86-57-7	DA23	Nitroaromatic	1-Nitronaphthalene	1	/	4	0.25	9.20E+00	--	2.35E+00	0	9.20E+00	2.35E+00	0	0	0	0	0	0	7.6E-1	1.9E-1	0	0	1.2E-1	3.2E-2	1.0E-1	2.6E-2	1.3E-1	3.2E-2
118-96-7	DA23	Nitroaromatic	2,4,6-Trinitrotoluene	1	/	4	0.25	6.00E+01	--	1.50E+01	0	6.00E+01	1.50E+01	3.8E+1	9.5E+0	1.4E+1	3.5E+0	0	0	2.4E+1	5.9E+0	0	0	1.8E+1	4.6E+0	2.2E+0	5.6E-1	8.5E+0	2.1E+0
35572-78-2	DA23	Nitroaromatic	2-Amino-4,6-dinitrotoluen	1	/	4	0.25	4.30E+00	--	1.12E+00	0	4.30E+00	1.12E+00	0	0	0	0	0	0	3.6E-1	9.3E-2	0	0	5.8E-2	1.5E-2	4.8E-2	1.3E-2	5.9E-2	1.5E-2
2691-41-0	DA23	Nitroaromatic	HMX	1	/	4	0.25	4.20E-01	--	2.24E-01	0	4.20E-01	2.24E-01	0	0	0	0	0	0	3.5E-2	1.9E-2	0	0	5.7E-3	3.0E-3	4.7E-3	2.5E-3	5.7E-3	3.0E-3
479-45-8	DA23	Nitroaromatic	Tetryl	1	/	4	0.25	1.70E+00	--	4.73E-01	0	1.70E+00	4.73E-01	0	0	0	0	0	0	1.4E-1	3.9E-2	0	0	2.3E-2	6.4E-3	1.9E-2	5.3E-3	2.3E-2	6.4E-3
57-74-9	DA23	PEST	Chlordane (total)	1	/	2	0.50	1.10E-03	--	1.68E-03	0	1.10E-03	1.68E-03	4.0E-6	6.1E-6	2.5E-4	3.8E-4	1.2E-3	1.8E-3	2.3E-4	3.4E-4	3.9E-4	5.9E-4	9.9E-5	1.5E-4	2.4E-4	3.7E-4	2.5E-4	3.8E-4
115-29-7	DA23	PEST	Endosulfan	1	/	2	0.50	1.60E-02	--	1.13E-02	0	1.60E-02	1.13E-02	8.2E-4	5.8E-4	3.6E-3	2.5E-3	1.7E-2	1.2E-2	3.5E-3	2.5E-3	5.6E-3	4.0E-3	1.7E-3	1.2E-3	3.5E-3	2.5E-3	3.7E-3	2.6E-3
1031-07-8	DA23	PEST	Endosulfan sulfate	1	/	2	0.50	3.28E-04	--	2.36E-03	0	3.28E-04	2.36E-03	0	0	0	0	0	0	2.7E-5	2.0E-4	0	0	4.4E-6	3.2E-5	3.7E-6	2.6E-5	4.5E-6	3.2E-5
92-52-4	DA23	SVOC	1,1'-Biphenyl	1	/	3	0.33	8.00E-02	--	4.06E-02	0	8.00E-02	4.06E-02	0	0	0	0	0	0	6.6E-3	3.4E-3	0	0	1.1E-3	5.5E-4	9.0E-4	4.5E-4	1.1E-3	5.5E-4
90-12-0	DA23	SVOC	1-Methylnaphthalene	1	/	3	0.33	1.40E-01	--	6.06E-02	0	1.40E-01	6.06E-02	0	0	0	0	0	0	1.2E-2	5.0E-3	0	0	1.9E-3	8.2E-4	1.6E-3	6.8E-4	1.9E-3	8.3E-4
91-57-6	DA23	SVOC	2-Methyl naphthalene	1	/	3	0.33	2.10E-01	--	8.39E-02	0	2.10E-01	8.39E-02	0	0	0	0	0	0	1.7E-2	6.9E-3	0	0	2.8E-3	1.1E-3	2.4E-3	9.4E-4	2.9E-3	1.1E-3
83-32-9	DA23	SVOC	Acenaphthene	1	/	3	0.33	1.40E+00	--	4.81E-01	0	1.40E+00	4.81E-01	0	0	0	0	0	0	1.2E-1	4.0E-2	0	0	1.9E-2	6.5E-3	1.6E-2	5.4E-3	1.9E-2	6.5E-3
120-12-7	DA23	SVOC	Anthracene	1	/	3	0.33	1.40E+00	--	4.81E-01	0	1.40E+00	4.81E-01	0	0	0	0	0	0	1.2E-1	4.0E-2	0	0	1.9E-2	6.5E-3	1.6E-2	5.4E-3	1.9E-2	6.5E-3
56-55-3	DA23	SVOC	Benzo(a)anthracene	1	/	3	0.33	3.30E+00	--	1.11E+00	0	3.30E+00	1.11E+00	0	0	0	0	0	0	2.7E-1	9.2E-2	0	0	4.4E-2	1.5E-2	3.7E-2	1.2E-2	4.5E-2	1.5E-2
50-32-8	DA23	SVOC	Benzo(a)pyrene	1	/	3	0.33	2.30E+00	--	7.81E-01	0	2.30E+00	7.81E-01	0	0	0	0	0	0	1.9E-1	6.5E-2	0	0	3.1E-2	1.1E-2	2.6E-2	8.7E-3	3.1E-2	1.1E-2
205-99-2	DA23	SVOC	Benzo(b)fluoranthene	1	/	3	0.33	3.00E+00	--	1.01E+00	0	3.00E+00	1.01E+00	0	0	0	0	0	0	2.5E-1	8.4E-2	0	0	4.0E-2	1.4E-2	3.4E-2	1.1E-2	4.1E-2	1.4E-2
191-24-2	DA23	SVOC	Benzo(g,h,i)perylene	1	/	3	0.33	1.40E+00	--	4.81E-01	0	1.40E+00	4.81E-01	0	0	0	0	0	0	1.2E-1	4.0E-2	0	0	1.9E-2	6.5E-3	1.6E-2	5.4E-3	1.9E-2	6.5E-3
207-08-9	DA23	SVOC	Benzo(k)fluoranthene	1	/	3	0.33	1.30E+00	--	4.47E-01	0	1.30E+00	4.47E-01	0	0	0	0	0	0	1.1E-1	3.7E-2	0	0	1.7E-2	6.0E-3	1.5E-2	5.0E-3	1.8E-2	6.1E-3
86-74-8	DA23	SVOC	Carbazole	1	/	3	0.33	1.00E+00	--	3.47E-01	0	1.00E+00	3.47E-01	0	0	0	0	0	0	8.3E-2	2.9E-2	0	0	1.3E-2	4.7E-3	1.1E-2	3.9E-3	1.4E-2	4.7E-3
218-01-9	DA23	SVOC	Chrysene	1	/	3	0.33	3.60E+00	--	1.21E+00	0	3.60E+00	1.21E+00	0	0	0	0	0	0	3.0E-1	1.0E-1	0	0	4.8E-2	1.6E-2	4.0E-2	1.4E-2	4.9E-2	1.7E-2
53-70-3	DA23	SVOC	Dibenzo(a,h)anthracene	1	/	3	0.33	3.90E-01	--	1.44E-01	0	3.90E-01	1.44E-01	0	0	0	0	0	0	3.2E-2	1.2E-2	0	0	5.2E-3	1.9E-3	4.4E-3	1.6E-3	5.3E-3	2.0E-3
132-64-9	DA23	SVOC	Dibenzofuran	1	/	3	0.33	6.30E-01	--	2.24E-01	0	6.30E-01	2.24E-01	0	0	0	0	0	0	5.2E-2	1.9E-2	0	0	8.5E-3	3.0E-3	7.1E-3	2.5E-3	8.6E-3	3.1E-3
206-44-0	DA23	SVOC	Fluoranthene	1	/	3	0.33	8.40E+00	--	2.81E+00	0	8.40E+00	2.81E+00	0	0	0	0	0	0	7.0E-1	2.3E-1	0	0	1.1E-1	3.8E-2	9.4E-2	3.2E-2	1.1E-1	3.8E-2
86-73-7	DA23	SVOC	Fluorene	1	/	3	0.33	8.30E-01	--	2.91E-01	0	8.30E-01	2.91E-01	0	0	0	0	0	0	6.9E-2	2.4E-2	0	0	1.1E-2	3.9E-3	9.3E-3	3.3E-3	1.1E-2	4.0E-3
193-39-5	DA23	SVOC	Indeno(1,2,3-c,d)pyrene	1	/	3	0.33	1.30E+00	--	4.47E-01	0	1.30E+00	4.47E-01	0	0	0	0	0	0	1.1E-1	3.7E-2	0	0	1.7E-2	6.0E-3	1.5E-2	5.0E-3	1.8E-2	6.1E-3
130498-29-2H	DA23	SVOC	PAHs (High MW)	1	/	3	0.33	3.09E+01	--	1.03E+01	0	31	10	7.0E-1	2.5E-1	1.3E+1	4.3E+0	0	0	9.7E+0	3.2E+0	0	0	5.0E+0	1.7E+0	1.8E+0	6.0E-1	5.6E+0	1.9E+0
130498-29-2L	DA23	SVOC	PAHs (Low MW)	1	/	8	0.13	1.11E+01	--	1.39E+00	0	1.11E+01	1.39E+00	1.2E-1	4.7E-2	5.4E+0	6.8E-1	0	0	3.9E+0	4.9E-1	0	0	2.0E+0	2.6E-1	7.3E-1	9.2E-2	2.3E+0	2.9E-1
130498-29-2	DA23	SVOC	PAHs (total)	1	/	8	0.13	4.20E+01	--	5.25E+00	0	4.20E+01	5.25E+00	0	0	0	0	0	0	3.5E+0	4.4E-1	0	0	5.7E-1	7.1E-2	4.7E-1	5.9E-2	5.7E-1	7.2E-2
85-01-8	DA23	SVOC	Phenanthrene	1	/	3	0.33	7.10E+00	--	2.38E+00	0	7.10E+00	2.38E+00	0	0	0	0	0	0	5.9E-1	2.0E-1	0	0	9.6E-2	3.2E-2	8.0E-2	2.7E-2	9.7E-2	3.2E-2
129-00-0	DA23	SVOC	Pyrene	1	/	3	0.33	5.90E+00	--	1.98E+00	0	5.90E+00	1.98E+00	0	0	0	0	0	0	4.9E-1	1.6E-1	0	0	7.9E-2	2.7E-2	6.6E-2	2.2E-2	8.0E-2	2.7E-2
107-06-2	DA23	VOC	1,2-Dichloroethane	1	/	5	0.20	9.00E-03	--	2.20E-03	0	9.00E-03	2.20E-03	0	0	0	0	0	0	7.5E-4	1.8E-4	0	0	1.2E-4	3.0E-5	1.0E-4	2.5E-5	1.2E-4	3.0E-5
67-64-1	DA23	VOC	Acetone	2	/	4	0.50	3.10E-02	--	1.20E-02	0	3.10E-02	1.20E-02	0	0	0	0	0	0	2.6E-3	9.9E-4	0	0	4.2E-4	1.6E-4	3.5E-4	1.3E-4	4.2E-4	1.6E-4

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
75-09-2	DA23	VOC	Methylene chloride	1	/	5	0.20	7.00E-03	--	2.50E-03	0	7.00E-03	2.50E-03	0	0	0	0	0	0	5.8E-4	2.1E-4	0	0	9.4E-5	3.4E-5	7.8E-5	2.8E-5	9.5E-5	3.4E-5
99-87-6	DA23	VOC	p-Isopropyltoluene	2	/	5	0.40	3.00E-03	--	1.30E-03	0	3.00E-03	1.30E-03	0	0	0	0	0	0	2.5E-4	1.1E-4	0	0	4.0E-5	1.7E-5	3.4E-5	1.5E-5	4.1E-5	1.8E-5
7429-90-5	DebrisArea1	INORG	Aluminum	3	/	3	1.00	3.78E+04	--	2.66E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	DebrisArea1	INORG	Barium	3	/	3	1.00	9.47E+01	--	7.18E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	DebrisArea1	INORG	Beryllium	2	/	3	0.67	8.19E-01	--	5.42E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	DebrisArea1	INORG	Boron	3	/	3	1.00	1.01E+01	--	8.71E+00	8.22E+00	1.88E+00	4.88E-01	0	0	0	0	0	0	1.6E-1	4.0E-2	0	0	2.5E-2	6.6E-3	2.1E-2	5.5E-3	2.6E-2	6.7E-3
7440-43-9	DebrisArea1	INORG	Cadmium	2	/	3	0.67	1.16E+00	--	5.41E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	DebrisArea1	INORG	Chromium	3	/	3	1.00	8.36E+01	--	5.70E+01	6.03E+01	2.33E+01	0 <BKG	1.4E-1	0	1.1E+0	0	7.5E-1	0	2.6E+0	0	2.4E-1	0	7.4E-1	0	5.1E-1	0	8.6E-1	0
7440-48-4	DebrisArea1	INORG	Cobalt	3	/	3	1.00	1.09E+01	--	9.37E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	DebrisArea1	INORG	Copper	3	/	3	1.00	3.92E+01	--	2.99E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	DebrisArea1	INORG	Lead	3	/	3	1.00	8.67E+00	--	7.11E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	DebrisArea1	INORG	Lithium	3	/	3	1.00	5.40E+00	--	4.23E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	DebrisArea1	INORG	Mercury	3	/	3	1.00	3.28E-02	--	2.78E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	DebrisArea1	INORG	Nickel	3	/	3	1.00	1.80E+01	--	1.26E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	DebrisArea1	INORG	Strontium	3	/	3	1.00	6.97E+00	--	5.12E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	DebrisArea1	INORG	Thallium	3	/	3	1.00	5.06E+00	--	3.51E+00	4.10E+00	9.62E-01	0 <BKG	0	0	0	0	0	0	8.0E-2	0	0	0	1.3E-2	0	1.1E-2	0	1.3E-2	0
7440-62-2	DebrisArea1	INORG	Vanadium	3	/	3	1.00	5.46E+01	--	4.18E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	DebrisArea1	INORG	Zinc	3	/	3	1.00	5.84E+01	--	4.71E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2691-41-0	DebrisArea1	Nitroaromatics	HMX	1	/	21	0.05	6.00E+02	--	2.87E+01	0	6.00E+02	2.87E+01	0	0	0	0	0	0	5.0E+1	2.4E+0	0	0	8.1E+0	3.9E-1	6.7E+0	3.2E-1	8.2E+0	3.9E-1
121-82-4	DebrisArea1	Nitroaromatics	RDX	1	/	21	0.05	5.20E+03	--	2.48E+02	0	5.20E+03	2.48E+02	3.4E+2	1.6E+1	3.1E+2	1.5E+1	0	0	6.9E+2	3.3E+1	0	0	2.9E+2	1.4E+1	9.3E+1	4.4E+0	2.1E+2	1.0E+1
67-64-1	DebrisArea1	VOC	Acetone	2	/	3	0.67	7.50E-02	--	3.92E-02	0	7.50E-02	3.92E-02	0	0	0	0	0	0	6.2E-3	3.2E-3	0	0	1.0E-3	5.3E-4	8.4E-4	4.4E-4	1.0E-3	5.3E-4
75-09-2	DebrisArea1	VOC	Methylene chloride	1	/	3	0.33	3.00E-03	--	1.67E-03	0	3.00E-03	1.67E-03	0	0	0	0	0	0	2.5E-4	1.4E-4	0	0	4.0E-5	2.2E-5	3.4E-5	1.9E-5	4.1E-5	2.3E-5
7429-90-5	DUMP	INORG	Aluminum	4	/	4	1.00	2.74E+04	--	2.49E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	DUMP	INORG	Arsenic	3	/	4	0.75	3.83E+00	--	2.34E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	DUMP	INORG	Barium	4	/	4	1.00	4.16E+02	--	2.40E+02	2.36E+02	1.80E+02	4.65E+00	4.2E+0	1.1E-1	2.6E+0	6.8E-2	2.0E-2	5.1E-4	1.8E+1	4.5E-1	6.4E-3	1.7E-4	4.7E+0	1.2E-1	2.3E+0	6.0E-2	3.7E+0	9.7E-2
7440-41-7	DUMP	INORG	Beryllium	3	/	4	0.75	1.32E+00	--	9.69E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-43-9	DUMP	INORG	Cadmium	3	/	4	0.75	1.88E+00	--	1.34E+00	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	DUMP	INORG	Chromium	4	/	4	1.00	3.82E+01	--	3.35E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	DUMP	INORG	Cobalt	4	/	4	1.00	2.58E+01	--	2.04E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	DUMP	INORG	Copper	4	/	4	1.00	5.37E+01	--	4.29E+01	5.28E+01	9.32E-01	0 <BKG	2.8E-1	0	7.7E-2	0	2.4E+0	0	2.0E-1	0	8.0E-1	0	1.3E-1	0	4.3E-1	0	3.4E-1	0
7439-92-1	DUMP	INORG	Lead	4	/	4	1.00	6.06E+01	--	3.24E+01	1.28E+01	4.78E+01	1.96E+01	3.5E-1	2.1E-1	2.9E+0	1.4E+0	1.9E+0	1.3E+0	5.6E+0	2.4E+0	6.2E-1	4.2E-1	1.7E+0	8.1E-1	1.2E+0	5.9E-1	2.0E+0	9.9E-1
7439-93-2	DUMP	INORG	Lithium	4	/	4	1.00	4.60E+00	--	3.98E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	DUMP	INORG	Manganese	4	/	4	1.00	2.12E+03	--	1.45E+03	1.13E+03	9.93E+02	3.22E+02	1.2E+1	3.8E+0	7.9E+0	3.7E+0	6.5E+0	2.1E+0	9.0E+1	3.0E+1	2.1E+0	6.9E-1	2.0E+1	6.8E+0	1.3E+1	4.4E+0	1.8E+1	6.3E+0
7439-97-6	DUMP	INORG	Mercury	3	/	4	0.75	4.26E+00	--	1.10E+00	9.20E-02	4.17E+00	1.01E+00	0	0	0	0	0	0	3.5E-1	8.4E-2	0	0	5.6E-2	1.4E-2	4.7E-2	1.1E-2	5.7E-2	1.4E-2
7440-02-0	DUMP	INORG	Nickel	4	/	4	1.00	2.30E+01	--	1.91E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	DUMP	INORG	Selenium	4	/	4	1.00	2.01E+00	--	1.64E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	DUMP	INORG	Silver	4	/	4	1.00	2.92E+00	--	2.02E+00	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	DUMP	INORG	Strontium	4	/	4	1.00	1.42E+02	--	4.34E+01	1.59E+01	1.26E+02	2.75E+01	0	0	0	0	0	0	1.0E+1	2.3E+0	0	0	1.7E+0	3.7E-1	1.4E+0	3.1E-1	1.7E+0	3.7E-1
7440-28-0	DUMP	INORG	Thallium	2	/	4	0.50	2.41E+00	--	1.60E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-31-5	DUMP	INORG	Tin	1	/	4	0.25	2.18E+01	--	7.03E+00	5.26E+00	1.65E+01	1.77E+00	0	0	0	0	0	0	1.4E+0	1.5E-1	0	0	2.2E-1	2.4E-2	1.9E-1	2.0E-2	2.3E-1	2.4E-2
7440-32-6	DUMP	INORG	Titanium	4	/	4	1.00	1.03E+03	--	9.42E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	DUMP	INORG	Vanadium	4	/	4	1.00	5.43E+01	--	4.85E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	DUMP	INORG	Zinc	4	/	4	1.00	1.90E+02	--	1.03E+02	8.96E+01	1.00E+02	1.34E+01	9.3E+0	3.1E+0	6.2E+1	3.2E+1	3.5E+1	3.0E+1	4.4E+1	1.9E+1	1.1E+1	9.8E+0	2.5E+1	1.2E+1	1.4E+1	8.8E+0	3.1E+1	1.7E+1
50-32-8	DUMP	SVOC	Benzo(a)pyrene	1	/	4	0.25	4.90E-02	--	2.81E-02	0	4.90E-02	2.81E-02	0	0	0	0	0	0	4.1E-3	2.3E-3	0	0	6.6E-4	3.8E-4	5.5E-4	3.2E-4	6.7E-4	3.8E-4
205-99-2	DUMP	SVOC	Benzo(b)fluoranthene	1	/	4	0.25	6.50E-02	--	3.21E-02	0	6.50E-02	3.21E-02	0	0	0	0	0	0	5.4E-3	2.7E-3	0	0	8.7E-4	4.3E-4	7.3E-4	3.6E-4	8.9E-4	4.4E-4
191-24-2	DUMP	SVOC	Benzo(g,h,i)perylene	1	/	4	0.25	5.60E-02	--	2.99E-02	0	5.60E-02	2.99E-02	0	0	0	0	0	0	4.6E-3	2.5E-3	0	0	7.5E-4	4.0E-4	6.3E-4	3.3E-4	7.6E-4	4.1E-4
218-01-9	DUMP	SVOC	Chrysene	1	/	4	0.25	5.90E-02	--	3.06E-02	0	5.90E-02	3.06E-02	0	0	0	0	0	0	4.9E-3	2.5E-3	0	0	7.9E-4	4.1E-4	6.6E-4	3.4E-4	8.0E-4	4.2E-4
206-44-0	DUMP	SVOC	Fluoranthene	1	/	4	0.25	7.30E-02	--	3.41E-02	0	7.30E-02	3.41E-02	0	0	0	0	0	0	6.0E-3	2.8E-3	0	0	9.8E-4	4.6E-4	8.2E-4	3.8E-4	9.9E-4	4.6E-4
130498-29-2H	DUMP	SVOC	PAHs (High MW)	1	/	4	0.25	4.72E-01	--	1.34E-01	0	0	0	1.3E-2	4.1E-3	2.0E-1	5.6E-2	0	0	1.5E-1	4.2E-2	0	0	7.7E-2	2.2E-2	2.7E-2	7.7E-3	8.5E-2	2.4E-2
130498-29-2	DUMP	SVOC	PAHs (total)	1	/	4	0.25	6.40E-01	--	1.76E-01	0	6.40E-01	1.76E-01	0	0	0	0	0	0	5.3E-2	1.5E-2	0	0	8.6E-3	2.4E-3	7.2E-3	2.0E-3	8.7E-3	2.4E-3
129-00-0	DUMP	SVOC	Pyrene	1	/	4	0.25	7.40E-02	--	3.44E-02	0	7.40E-02	3.44E-02	0	0	0	0	0	0	6.1E-3	2.8E-3	0	0	1.0E-3	4.6E-4	8.3E-4	3.9E-4	1.0E-3	4.7E-4
7429-90-5	PSO	INORG	Aluminum	1	/	1	1.00	2.13E+04	--	2.13E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	PSO	INORG	Barium	1	/	1	1.00	1.48E+02	--	1.48E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	PSO	INORG	Beryllium	1	/	1	1.00	5.34E-01	--	5.34E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	PSO	INORG	Boron	1	/	1	1.00	3.72E+00	--	3.72E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	PSO	INORG	Chromium	1	/	1	1.00	2.36E+01	--	2.36E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	PSO	INORG	Cobalt	1	/	1	1.00	1.77E+01	--	1.77E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	PSO	INORG	Copper	1	/	1	1.00	1.46E+01	--	1.46E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	PSO	INORG	Lead	1	/	1	1.00	4.60E+00	--	4.60E+00	1.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-93-2	PSO	INORG	Lithium	1	/	1	1.00	8.20E+00	--	8.20E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	PSO	INORG	Manganese	1	/	1	1.00	3.47E+02	--	3.47E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	PSO	INORG	Mercury	1	/	1	1.00	1.48E-02	--	1.48E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	PSO	INORG	Strontium	1	/	1	1.00	7.12E+00	--	7.12E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	PSO	INORG	Thallium	1	/	1	1.00	2.46E+00	--	2.46E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-31-5	PSO	INORG	Tin	1	/	1	1.00	2.00E+00	--	2.00E+00	5.26E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	PSO	INORG	Titanium	1	/	1	1.00	1.42E+03	--	1.42E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	PSO	INORG	Vanadium	1	/	1	1.00	3.54E+01	--	3.54E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	PSO	INORG	Zinc	1	/	1	1.00	6.09E+01	--	6.09E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-09-2	PSO	VOC	Methylene chloride	1	/	1	1.00	7.00E-03	--	7.00E-03	0	7.00E-03	7.00E-03	0	0	0	0	0	0	5.8E-4	5.8E-4	0	0	9.4E-5	9.4E-5	7.8E-5	7.8E-5	9.5E-5	9.5E-5
7429-90-5	TA	INORG	Aluminum	8	/	8	1.00	3.05E+04	2.75E+04	2.51E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	TA	INORG	Arsenic	7	/	8	0.88	2.66E+00	--	2.63E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	TA	INORG	Barium	8	/	8	1.00	1.85E+02	--	1.28E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	TA	INORG	Beryllium	8	/	8	1.00	1.28E+00	--	6.94E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	TA	INORG	Boron	3	/	8	0.38	4.52E+00	3.75E+00	2.51E+00	8.22E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	TA	INORG	Chromium	8	/	8	1.00	1.68E+02	1.25E+02	5.50E+01	6.03E+01	1.08E+02	6.51E+01	6.6E-1	4.0E-1	5.3E+0	3.2E+0	2.3E+0	1.6E+0	1.2E+1	7.2E+0	7.5E-1	5.2E-1	3.4E+0	2.1E+0	2.2E+0	1.4E+0	3.9E+0	2.4E+0
7440-48-4	TA	INORG	Cobalt	8	/	8	1.00	1.45E+01	1.33E+01	1.19E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	TA	INORG	Copper	8	/	8	1.00	3.28E+01	2.64E+01	2.21E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	TA	INORG	Lead	8	/	8	1.00	1.35E+01	1.03E+01	8.67E+00	1.28E+01	7.06E-01	0 <BKG	3.3E-2	0	9.7E-2	0	3.0E-1	0	1.2E-1	0	9.6E-2	0	5.3E-2	0	6.9E-2	0	8.4E-2	0
7439-93-2	TA	INORG	Lithium	8	/	8	1.00	6.70E+00	5.53E+00	4.75E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	TA	INORG	Manganese	8	/	8	1.00	9.66E+02	6.57E+02	5.13E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	TA	INORG	Mercury	8	/	8	1.00	2.50E-02	--	2.17E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	TA	INORG	Molybdenum	1	/	8	0.13	6.13E-01	--	6.08E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	TA	INORG	Nickel	8	/	8	1.00	1.87E+01	--	1.41E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	TA	INORG	Perchlorate	1	/	8	0.13	2.03E-03	--	1.38E-03	0	2.03E-03	1.38E-03	0	0	0	0	0	0	1.7E-4	1.1E-4	0	0	2.7E-5	1.9E-5	2.3E-5	1.5E-5	2.8E-5	1.9E-5

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

													Terrestrial Plants		Terrestrial Inverts		Prey Mammals		American Robin TDI		Screech Owl TDI		Deer Mouse TDI		Terrestrial Mink TDI		Short-Tailed Shrew TDI	
													(mg/kg ww)		(mg/kg ww)		(mg/kg ww)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)	
CASRN	Area	Group	Chemical	Detects			Freq	Maximum Detect (mg/kg)	UCL on Mean (mg/kg)	Average (ND=1/2DL) (mg/kg)	BKG Conc (mg/kg)	Max -BKG (mg/kg)	UCL or AVG -BKG (mg/kg)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL
7440-24-6	TA	INORG	Strontium	8	/	8	1.00	1.22E+01	--	8.01E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-28-0	TA	INORG	Thallium	3	/	8	0.38	2.89E+00	2.67E+00	2.52E+00	4.10E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-31-5	TA	INORG	Tin	3	/	8	0.38	1.98E+00	--	1.76E+00	5.26E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	TA	INORG	Titanium	8	/	8	1.00	1.13E+03	1.08E+03	9.91E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	TA	INORG	Vanadium	8	/	8	1.00	8.39E+01	6.35E+01	5.30E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	TA	INORG	Zinc	8	/	8	1.00	3.74E+01	--	2.99E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7429-90-5	TRA1	INORG	Aluminum	4	/	4	1.00	4.59E+04	--	3.22E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	TRA1	INORG	Arsenic	3	/	4	0.75	3.02E+00	--	1.88E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	TRA1	INORG	Barium	4	/	4	1.00	8.32E+01	--	6.79E+01	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	TRA1	INORG	Beryllium	4	/	4	1.00	2.53E+00	--	1.24E+00	2.05E+00	4.83E-01	0 <BKG	5.4E-2	0	3.5E-3	0	1.7E-5	0	5.8E-2	0	5.7E-6	0	2.6E-2	0	5.8E-3	0	1.1E-2	0
7440-42-8	TRA1	INORG	Boron	4	/	4	1.00	2.24E+01	--	1.22E+01	8.22E+00	1.42E+01	4.01E+00	0	0	0	0	0	0	1.2E+0	3.3E-1	0	0	1.9E-1	5.4E-2	1.6E-1	4.5E-2	1.9E-1	5.5E-2
7440-43-9	TRA1	INORG	Cadmium	4	/	4	1.00	3.33E+00	--	1.91E+00	3.08E+00	2.52E-01	0 <BKG	4.4E-2	0	4.4E-1	0	4.7E-2	0	2.7E-1	0	1.5E-2	0	1.7E-1	0	6.0E-2	0	1.9E-1	0
7440-47-3	TRA1	INORG	Chromium	4	/	4	1.00	7.72E+01	--	5.00E+01	6.03E+01	1.69E+01	0 <BKG	1.0E-1	0	8.3E-1	0	5.9E-1	0	1.9E+0	0	1.9E-1	0	5.4E-1	0	3.8E-1	0	6.3E-1	0
7440-48-4	TRA1	INORG	Cobalt	4	/	4	1.00	1.18E+01	--	8.94E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	TRA1	INORG	Copper	4	/	4	1.00	4.17E+01	--	2.70E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	TRA1	INORG	Lead	4	/	4	1.00	1.66E+01	--	1.20E+01	1.28E+01	3.81E+00	0 <BKG	8.4E-2	0	3.8E-1	0	6.2E-1	0	5.4E-1	0	2.0E-1	0	2.1E-1	0	1.9E-1	0	2.8E-1	0
7439-93-2	TRA1	INORG	Lithium	4	/	4	1.00	5.80E+00	--	4.50E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	TRA1	INORG	Manganese	4	/	4	1.00	4.44E+02	--	2.62E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	TRA1	INORG	Mercury	4	/	4	1.00	3.89E-02	--	3.46E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	TRA1	INORG	Nickel	4	/	4	1.00	2.29E+01	--	1.71E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	TRA1	INORG	Selenium	3	/	4	0.75	4.92E+00	--	2.96E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	TRA1	INORG	Silver	1	/	4	0.25	2.57E-01	--	1.50E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	TRA1	INORG	Strontium	4	/	4	1.00	5.41E+00	--	4.30E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	TRA1	INORG	Titanium	4	/	4	1.00	1.13E+03	--	9.78E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	TRA1	INORG	Vanadium	4	/	4	1.00	1.02E+02	--	6.21E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	TRA1	INORG	Zinc	4	/	4	1.00	3.38E+01	--	3.18E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86-57-7	TRA1	Nitroaromatic	1-Nitronaphthalene	1	/	4	0.25	4.50E-01	--	1.60E-01	0	4.50E-01	1.60E-01	0	0	0	0	0	0	3.7E-2	1.3E-2	0	0	6.1E-3	2.2E-3	5.0E-3	1.8E-3	6.1E-3	2.2E-3
7429-90-5	TRA2	INORG	Aluminum	6	/	6	1.00	3.07E+04	2.74E+04	2.23E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	TRA2	INORG	Arsenic	6	/	6	1.00	4.20E+00	--	3.39E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	TRA2	INORG	Barium	6	/	6	1.00	2.41E+02	--	1.30E+02	2.36E+02	5.24E+00	0 <BKG	1.2E-1	0	7.6E-2	0	5.7E-4	0	5.1E-1	0	1.9E-4	0	1.4E-1	0	6.7E-2	0	1.1E-1	0
7440-41-7	TRA2	INORG	Beryllium	1	/	6	0.17	1.21E+00	--	5.22E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	TRA2	INORG	Chromium	6	/	6	1.00	6.34E+01	4.87E+01	3.53E+01	6.03E+01	3.07E+00	0 <BKG	1.9E-2	0	1.5E-1	0	1.7E-1	0	3.4E-1	0	5.5E-2	0	9.8E-2	0	8.0E-2	0	1.2E-1	0
7440-48-4	TRA2	INORG	Cobalt	6	/	6	1.00	1.65E+01	1.35E+01	1.02E+01	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	TRA2	INORG	Copper	6	/	6	1.00	2.59E+01	--	1.56E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	TRA2	INORG	Lead	6	/	6	1.00	3.08E+01	2.29E+01	1.45E+01	1.28E+01	1.80E+01	1.01E+01	2.0E-1	1.5E-1	1.3E+0	8.3E-1	1.2E+0	9.6E-1	2.3E+0	1.3E+0	4.0E-1	3.1E-1	7.6E-1	4.6E-1	5.6E-1	3.7E-1	9.2E-1	5.9E-1
7439-93-2	TRA2	INORG	Lithium	6	/	6	1.00	8.30E+00	7.02E+00	5.70E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	TRA2	INORG	Manganese	6	/	6	1.00	2.44E+03	1.82E+03	7.35E+02	1.13E+03	1.31E+03	6.91E+02	1.6E+1	8.2E+0	9.5E+0	6.2E+0	8.6E+0	4.5E+0	1.2E+2	6.3E+1	2.8E+0	1.5E+0	2.6E+1	1.4E+1	1.7E+1	9.2E+0	2.4E+1	1.3E+1
7439-97-6	TRA2	INORG	Mercury	6	/	6	1.00	3.93E-02	--	2.57E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-98-7	TRA2	INORG	Molybdenum	1	/	6	0.17	7.66E-01	--	3.70E-01	1.96E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	TRA2	INORG	Nickel	6	/	6	1.00	1.65E+01	--	1.16E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7782-49-2	TRA2	INORG	Selenium	2	/	6	0.33	3.58E+00	3.12E+00	1.56E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-22-4	TRA2	INORG	Silver	3	/	6	0.50	7.68E-01	--	2.88E-01	3.15E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	TRA2	INORG	Strontium	6	/	6	1.00	1.95E+01	--	8.79E+00	1.59E+01	3.58E+00	0 <BKG	0	0	0	0	0	0	3.0E-1	0	0	0	4.8E-2	0	4.0E-2	0	4.9E-2	0
7440-32-6	TRA2	INORG	Titanium	6	/	6	1.00	1.07E+03	1.04E+03	8.46E+02	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	TRA2	INORG	Vanadium	6	/	6	1.00	5.80E+01	5.37E+01	4.14E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	TRA2	INORG	Zinc	6	/	6	1.00	4.74E+01	4.68E+01	4.03E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65-85-0	TRA2	SVOC	Benzoic acid	1	/	6	0.17	2.50E-01	--	1.35E-01	0	2.50E-01	1.35E-01	0	0	0	0	0	0	2.1E-2	1.1E-2	0	0	3.4E-3	1.8E-3	2.8E-3	1.5E-3	3.4E-3	1.8E-3
7429-90-5	TRA3	INORG	Aluminum	10	/	10	1.00	2.98E+04	2.64E+04	2.51E+04	6.93E+04	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-38-2	TRA3	INORG	Arsenic	10	/	10	1.00	2.65E+00	--	1.99E+00	9.02E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-39-3	TRA3	INORG	Barium	10	/	10	1.00	1.83E+02	--	1.14E+02	2.36E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-41-7	TRA3	INORG	Beryllium	10	/	10	1.00	9.07E-01	--	7.03E-01	2.05E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-42-8	TRA3	INORG	Boron	10	/	10	1.00	8.38E+00	7.29E+00	6.84E+00	8.22E+00	1.63E-01	0 <BKG	0	0	0	0	0	0	1.4E-2	0	0	0	2.2E-3	0	1.8E-3	0	2.2E-3	0
7440-43-9	TRA3	INORG	Cadmium	10	/	10	1.00	1.00E+00	8.44E-01	7.82E-01	3.08E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-47-3	TRA3	INORG	Chromium	10	/	10	1.00	3.09E+01	2.64E+01	2.47E+01	6.03E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-48-4	TRA3	INORG	Cobalt	10	/	10	1.00	8.51E+00	--	6.91E+00	2.73E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-50-8	TRA3	INORG	Copper	10	/	10	1.00	1.43E+01	--	1.09E+01	5.28E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-92-1	TRA3	INORG	Lead	10	/	10	1.00	2.82E+01	1.56E+01	1.22E+01	1.28E+01	1.54E+01	2.79E+00	1.8E-1	7.1E-2	1.2E+0	2.9E-1	1.2E+0	5.4E-1	2.0E+0	4.1E-1	3.8E-1	1.8E-1	6.6E-1	1.6E-1	5.0E-1	1.6E-1	8.2E-1	2.2E-1
7439-93-2	TRA3	INORG	Lithium	10	/	10	1.00	8.80E+00	7.43E+00	6.80E+00	1.21E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-96-5	TRA3	INORG	Manganese	10	/	10	1.00	4.87E+02	3.99E+02	3.28E+02	1.13E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7439-97-6	TRA3	INORG	Mercury	9	/	10	0.90	7.28E-02	--	3.16E-02	9.20E-02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-02-0	TRA3	INORG	Nickel	10	/	10	1.00	1.51E+01	--	1.25E+01	4.23E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14797-73-0	TRA3	INORG	Perchlorate	1	/	10	0.10	2.40E-02	--	3.59E-03	0	2.40E-02	3.59E-03	0	0	0	0	0	0	2.0E-3	3.0E-4	0	0	3.2E-4	4.8E-5	2.7E-4	4.0E-5	3.3E-4	4.9E-5
7782-49-2	TRA3	INORG	Selenium	10	/	10	1.00	1.92E+00	1.64E+00	1.53E+00	5.23E+00	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-24-6	TRA3	INORG	Strontium	10	/	10	1.00	1.21E+01	--	6.72E+00	1.59E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-32-6	TRA3	INORG	Titanium	10	/	10	1.00	1.68E+03	1.43E+03	1.32E+03	2.31E+03	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-62-2	TRA3	INORG	Vanadium	10	/	10	1.00	4.04E+01	3.84E+01	3.62E+01	1.08E+02	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7440-66-6	TRA3	INORG	Zinc	10	/	10	1.00	5.92E+01	4.53E+01	4.02E+01	8.96E+01	0 <BKG	0 <BKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86-57-7	TRA3	Nitroaromatic	1-Nitronaphthalene	1	/	10	0.10	7.60E-01	--	1.33E-01	0	7.60E-01	1.33E-01	0	0	0	0	0	0	6.3E-2	1.1E-2	0	0	1.0E-2	1.8E-3	8.5E-3	1.5E-3	1.0E-2	1.8E-3
65-85-0	TRA3	SVOC	Benzoic acid	1	/	10	0.10	3.90E-01	--	1.34E-01	0	3.90E-01	1.34E-01	0	0	0	0	0	0	3.2E-2	1.1E-2	0	0	5.2E-3	1.8E-3	4.4E-3	1.5E-3	5.3E-3	1.8E-3

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7429-90-5	APDA789	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	APDA789	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	APDA789	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	APDA789	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	APDA789	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	APDA789	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	APDA789	INORG	Chromium	2.4	58.2	2.66	15.6	1	0.2	--	--	0.1	0.02	--	--	0.4	0.01	--	--	0.2	0.01	--	--	0.4	0.02	--	--
7440-48-4	APDA789	INORG	Cobalt	7.33	18.9	7.61	18.34	0.07	0.03	--	--	0.002	0.0007	--	--	0.02	0.006	--	--	0.01	0.004	--	--	0.02	0.007	--	--
7440-50-8	APDA789	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-12-5	APDA789	INORG	Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	APDA789	INORG	Lead	4.7	8.9	1.63	3.26	0.2	0.1	0.06	0.03	0.1	0.05	0.06	0.03	0.03	0.02	0.01	0.005	0.03	0.02	0.01	0.007	0.04	0.02	0.02	0.008
7439-93-2	APDA789	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	APDA789	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	APDA789	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	APDA789	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	APDA789	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	APDA789	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	APDA789	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	APDA789	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	APDA789	INORG	Vanadium	4.16	8.31	0.344	0.688	5	2	--	--	0.07	0.03	--	--	0.07	0.04	--	--	0.06	0.03	--	--	0.07	0.04	--	--
7440-66-6	APDA789	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
118-96-7	APDA789	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	0.2	0.01	0.03	0.001	--	--	--	--	7	4	0.9	0.6	0.8	0.5	0.1	0.07	3	2	0.4	0.3
19406-51-0	APDA789	Nitroaromatics	4-Amino-2,6-dinitrotoluen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	APDA789	PEST	Aldrin	0.2	1	0.007	0.035	300	70	30	7	600	100	60	10	5	1	0.5	0.1	10	3	1	0.3	10	3	1	0.3
57-74-9	APDA789	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0002	0.00004	0.001	0.0003	0.0003	0.00007	0.002	0.0005	0.00004	0.00002	0.0003	0.0001	0.0001	0.00005	0.0007	0.0003	0.0001	0.00005	0.0007	0.0004
319-86-8	APDA789	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	APDA789	PEST	Endosulfan	0.15	--	10	--	0.00001	--	0.04	--	0.00002	--	0.07	--	0.0003	--	1	--	0.0007	--	3	--	0.0007	--	3	--
1031-07-8	APDA789	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	APDA789	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	1	0.1	5	0.5	2	0.2	8	0.8	0.03	0.0003	0.1	0.001	0.07	0.0007	0.3	0.003	0.07	0.0007	0.3	0.003
72-43-5	APDA789	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.0002	0.00008	0.003	0.002	0.0004	0.0002	0.008	0.004	0.0004	0.0002	0.008	0.004
2698-41-1	APDA789	SVOC	CS (ortho-Chlorobenzylid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89-98-5	APDA789	SVOC	ortho-Chlorobenzaldehyd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	APDA789	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.02	0.002	0.003	0.0003	0.002	0.0002	0.0003	0.00003	0.009	0.0009	0.001	0.0001
67-64-1	APDA789	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
71-43-2	APDA789	VOC	Benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	APDA789	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B103	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B103	INORG	Barium	51.8	82.7	20.8	41.7	0.3	0.2	--	--	0.0001	0.00006	--	--	0.03	0.02	--	--	0.02	0.01	--	--	0.03	0.02	--	--
7440-41-7	B103	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B103	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B103	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B103	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B103	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B103	INORG	Lead	4.7	8.9	1.63	3.26	1	0.6	0.5	0.3	0.2	0.1	0.2	0.08	0.1	0.08	0.06	0.03	0.1	0.06	0.06	0.03	0.2	0.1	0.08	0.04
7439-93-2	B103	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B103	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B103	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B103	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B103	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B103	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B103	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B103	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B103	INORG	Zinc	75.4	297.6	66.1	171.4	0.6	0.2	0.4	0.1	0.2	0.07	0.2	0.06	0.3	0.08	0.2	0.05	0.2	0.05	0.1	0.03	0.4	0.1	0.3	0.06
120-12-7	B103	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B103	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B103	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B103	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B103	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B103	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B103	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B103	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B103	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B103	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.2	0.02	0.09	0.009	--	--	--	--	0.4	0.08	0.2	0.03	0.1	0.03	0.05	0.01	0.4	0.09	0.2	0.03
130498-29-2L	B103	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00009	0.000009	0.00002	0.000002	--	--	--	--	0.001	0.0003	0.0003	0.00005	0.0004	0.00008	0.00008	0.00002	0.001	0.0003	0.0003	0.00005
130498-29-2	B103	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B103	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B103	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.01	0.001	0.004	0.0004	0.001	0.0001	0.0004	0.00004	0.005	0.0005	0.002	0.0002
129-00-0	B103	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B103	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B104145	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B104145	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B104145	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B104145	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B104145	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B104145	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B104145	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B104145	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B104145	INORG	Copper	5.6	9.34	4.05	12.1	3	1	2	0.7	0.4	0.1	0.4	0.1	0.9	0.5	0.5	0.3	0.5	0.3	0.4	0.2	1	0.6	0.6	0.4
7439-92-1	B104145	INORG	Lead	4.7	8.9	1.63	3.26	0.5	0.3	0.3	0.2	0.2	0.08	0.1	0.06	0.07	0.03	0.04	0.02	0.06	0.03	0.04	0.02	0.09	0.05	0.05	0.03
7439-96-5	B104145	INORG	Manganese	51.5	145.7	179	376.6	0.1	0.07	--	--	0.003	0.002	--	--	0.1	0.04	--	--	0.07	0.03	--	--	0.1	0.04	--	--
7439-97-6	B104145	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B104145	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B104145	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B104145	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-32-6	B104145	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B104145	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B104145	INORG	Zinc	75.4	297.6	66.1	171.4	0.5	0.2	0.1	0.04	0.2	0.06	0.1	0.05	0.3	0.06	0.06	0.01	0.2	0.04	0.07	0.02	0.3	0.08	0.1	0.03
99-35-4	B104145	Nitroaromatics	1,3,5-Trinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
35572-78-2	B104145	Nitroaromatics	2-Amino-4,6-dinitrotoluen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2691-41-0	B104145	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	B104145	PEST	Aldrin	0.2	1	0.007	0.035	0.2	0.04	0.1	0.02	0.3	0.06	0.2	0.04	0.003	0.0005	0.002	0.0003	0.007	0.001	0.004	0.0008	0.007	0.001	0.004	0.0008
319-85-7	B104145	PEST	beta-BHC	0.4	2	2	20	0.004	0.0004	0.004	0.0004	0.007	0.0007	0.006	0.0006	0.01	0.002	0.009	0.002	0.02	0.004	0.02	0.004	0.02	0.005	0.02	0.004
57-74-9	B104145	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0007	0.0001	0.0004	0.00008	0.001	0.0002	0.0007	0.0001	0.0001	0.00007	0.00008	0.00004	0.0004	0.0002	0.0002	0.0001	0.0004	0.0002	0.0002	0.0001
319-86-8	B104145	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B104145	PEST	Endosulfan	0.15	--	10	--	0.002	--	0.001	--	0.003	--	0.002	--	0.07	--	0.04	--	0.1	--	0.08	--	0.2	--	0.08	--
1031-07-8	B104145	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7421-93-4	B104145	PEST	Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	B104145	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	2	0.2	1	0.1	3	0.3	2	0.2	0.05	0.0005	0.03	0.0003	0.1	0.001	0.08	0.0008	0.1	0.001	0.08	0.0008
58-89-9	B104145	PEST	Lindane	8	80	2	20	0.001	0.0001	0.0006	0.00006	0.002	0.0002	0.0009	0.00009	0.0001	0.00001	0.00007	0.000007	0.0003	0.00003	0.0001	0.00001	0.0003	0.00003	0.0002	0.00002
72-43-5	B104145	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.001	0.0006	0.0007	0.0004	0.003	0.001	0.002	0.0008	0.003	0.001	0.002	0.0009
88-06-2	B104145	SVOC	2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B104145	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65-85-0	B104145	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B104145	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2L	B104145	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00004	0.000004	0.000005	0.0000005	--	--	--	--	0.0006	0.0001	0.00009	0.00002	0.0002	0.00004	0.00002	0.000004	0.0006	0.0001	0.00007	0.00001
130498-29-2	B104145	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B104145	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.03	0.003	0.004	0.0004	0.003	0.0003	0.0004	0.00004	0.01	0.001	0.002	0.0002
67-64-1	B104145	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B104145	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B104145	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B105139	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B105139	INORG	Arsenic	1.04	1.66	2.24	4.51	0.4	0.2	0.04	0.02	0.002	0.001	0.0003	0.0002	0.2	0.1	0.02	0.01	0.1	0.08	0.01	0.008	0.2	0.1	0.02	0.02
7440-39-3	B105139	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B105139	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.09	0.07	--	--	0.02	0.02	--	--	0.04	0.03	--	--
7440-42-8	B105139	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B105139	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B105139	INORG	Chromium	2.4	58.2	2.66	15.6	0.9	0.2	--	--	0.09	0.02	--	--	0.3	0.01	--	--	0.2	0.009	--	--	0.4	0.01	--	--
7440-48-4	B105139	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B105139	INORG	Copper	5.6	9.34	4.05	12.1	6	2	1	0.4	0.4	0.1	0.3	0.1	2	0.9	0.3	0.2	0.9	0.5	0.2	0.1	2	1	0.4	0.2
7439-92-1	B105139	INORG	Lead	4.7	8.9	1.63	3.26	1	0.6	0.4	0.2	0.2	0.1	0.1	0.06	0.1	0.07	0.05	0.02	0.1	0.05	0.04	0.02	0.2	0.09	0.06	0.03
7439-93-2	B105139	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B105139	INORG	Manganese	51.5	145.7	179	376.6	0.03	0.02	--	--	0.0008	0.0004	--	--	0.03	0.01	--	--	0.02	0.006	--	--	0.03	0.01	--	--
7439-97-6	B105139	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B105139	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B105139	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B105139	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B105139	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B105139	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B105139	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B105139	INORG	Zinc	75.4	297.6	66.1	171.4	0.8	0.3	0.4	0.1	0.2	0.07	0.2	0.06	0.4	0.1	0.2	0.05	0.2	0.05	0.1	0.03	0.4	0.1	0.3	0.07
118-96-7	B105139	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	0.03	0.001	0.005	0.0002	--	--	--	--	0.8	0.5	0.1	0.09	0.09	0.06	0.02	0.01	0.4	0.2	0.07	0.04
121-14-2	B105139	Nitroaromatics	2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
35572-78-2	B105139	Nitroaromatics	2-Amino-4,6-dinitrotoluen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19406-51-0	B105139	Nitroaromatics	4-Amino-2,6-dinitrotoluen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
479-45-8	B105139	Nitroaromatics	Tetryl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
88-89-1	B105139	Nonhalogenat	Picric acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	B105139	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.02	0.002	0.005	0.0005	0.04	0.004	0.01	0.001	0.01	0.003	0.004	0.0008	0.04	0.008	0.01	0.002	0.04	0.008	0.01	0.002
57-74-9	B105139	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0004	0.00008	0.0002	0.00003	0.0007	0.0001	0.0003	0.00006	0.00008	0.00004	0.00003	0.00002	0.0002	0.0001	0.00008	0.00004	0.0002	0.0001	0.00009	0.00004
319-86-8	B105139	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
60-57-1	B105139	PEST	Dieldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B105139	PEST	Endosulfan	0.15	--	10	--	0.00007	--	0.00002	--	0.0001	--	0.00003	--	0.002	--	0.0007	--	0.005	--	0.001	--	0.005	--	0.001	--
72-20-8	B105139	PEST	Endrin	0.092	0.92	0.01	0.1	0.009	0.0009	0.005	0.0005	0.01	0.001	0.009	0.0009	0.0004	0.00004	0.0002	0.00002	0.001	0.0001	0.0006	0.00006	0.001	0.0001	0.0006	0.00006
1024-57-3	B105139	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	0.1	0.01	0.05	0.005	0.2	0.02	0.08	0.008	0.003	0.00003	0.001	0.00001	0.007	0.00007	0.003	0.00003	0.007	0.00007	0.003	0.00003
58-89-9	B105139	PEST	Lindane	8	80	2	20	0.0004	0.00004	0.0001	0.00001	0.0007	0.00007	0.0002	0.00002	0.00005	0.000005	0.00001	0.000001	0.0001	0.00001	0.00003	0.000003	0.0001	0.00001	0.00003	0.000003
72-43-5	B105139	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.0003	0.0002	0.00009	0.00005	0.0007	0.0004	0.0002	0.0001	0.0007	0.0004	0.0002	0.0001
83-32-9	B105139	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
208-96-8	B105139	SVOC	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B105139	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B105139	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B105139	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B105139	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B105139	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B105139	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65-85-0	B105139	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B105139	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B105139	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B105139	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B105139	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B105139	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B105139	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B105139	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B105139	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B105139	SVOC	PAHs (High MW)	0.615	3.07	2	20	40	4	10	1	--	--	--	--	60	10	20	4	20	5	6	1	70	10	20	4
130498-29-2L	B105139	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.01	0.001	0.001	0.0001	--	--	--	--	0.1	0.03	0.02	0.004	0.05	0.01	0.007	0.001	0.2	0.03	0.02	0.004
130498-29-2	B105139	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B105139	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B105139	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95-63-6	B105139	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
78-93-3	B105139	VOC	2-Butanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B105139	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B105139	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B105139	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B106	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B106	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B106	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B106	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B106	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B106	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B106	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B106	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B106	INORG	Lead	4.7	8.9	1.63	3.26	0.1	0.06	0.01	0.007	0.08	0.04	0.03	0.01	0.02	0.009	0.003	0.001	0.02	0.01	0.005	0.003	0.03	0.01	0.005	0.003
7439-93-2	B106	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B106	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B106	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B106	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B106	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B106	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B106	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B106	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B106	INORG	Zinc	75.4	297.6	66.1	171.4	0.4	0.2	--	--	0.2	0.06	--	--	0.2	0.06	--	--	0.1	0.04	--	--	0.3	0.07	--	--
115-29-7	B106	PEST	Endosulfan	0.15	--	10	--	0.0004	--	0.0004	--	0.0006	--	0.0006	--	0.01	--	0.01	--	0.02	--	0.02	--	0.03	--	0.03	--
1031-07-8	B106	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B106	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B107	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B107	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B107	INORG	Barium	51.8	82.7	20.8	41.7	0.2	0.08	--	--	0.00006	0.00003	--	--	0.02	0.01	--	--	0.009	0.005	--	--	0.01	0.009	--	--
7440-41-7	B107	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B107	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B107	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B107	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B107	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B107	INORG	Copper	5.6	9.34	4.05	12.1	0.5	0.2	--	--	0.3	0.1	--	--	0.1	0.09	--	--	0.2	0.09	--	--	0.2	0.1	--	--
7439-92-1	B107	INORG	Lead	4.7	8.9	1.63	3.26	0.6	0.3	0.5	0.2	0.2	0.09	0.1	0.07	0.08	0.04	0.06	0.03	0.07	0.03	0.05	0.03	0.1	0.05	0.08	0.04
7439-93-2	B107	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B107	INORG	Manganese	51.5	145.7	179	376.6	0.4	0.2	0.09	0.04	0.009	0.004	0.002	0.0009	0.3	0.1	0.07	0.02	0.2	0.07	0.04	0.02	0.3	0.1	0.07	0.02
7439-98-7	B107	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B107	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B107	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B107	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B107	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B107	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B107	INORG	Zinc	75.4	297.6	66.1	171.4	0.2	0.07	--	--	0.1	0.05	--	--	0.1	0.03	--	--	0.09	0.02	--	--	0.2	0.04	--	--
2691-41-0	B107	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	B107	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.009	0.0009	0.005	0.0005	0.02	0.002	0.01	0.001	0.008	0.002	0.005	0.0009	0.02	0.004	0.01	0.002	0.02	0.004	0.01	0.003
319-85-7	B107	PEST	beta-BHC	0.4	2	2	20	0.0002	0.00002	0.0002	0.00002	0.0004	0.00004	0.0003	0.00003	0.0006	0.0001	0.0004	0.00007	0.001	0.0002	0.0008	0.0002	0.001	0.0003	0.0008	0.0002
57-74-9	B107	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0002	0.00003	0.00008	0.00002	0.0003	0.00005	0.0001	0.00003	0.00003	0.00002	0.00002	0.000008	0.00008	0.00004	0.00004	0.00002	0.00008	0.00004	0.00004	0.00002
319-86-8	B107	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B107	PEST	Endosulfan	0.15	--	10	--	0.0002	--	0.0001	--	0.0003	--	0.0002	--	0.006	--	0.004	--	0.01	--	0.009	--	0.01	--	0.009	--
58-89-9	B107	PEST	Lindane	8	80	2	20	0.00004	0.000004	0.00002	0.000002	0.00006	0.000006	0.00004	0.000004	0.000004	0.0000004	0.000003	0.0000003	0.000009	0.0000009	0.000006	0.0000006	0.000009	0.0000009	0.000006	0.0000006
90-12-0	B107	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B107	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-09-2	B107	SVOC	3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B107	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B107	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B107	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B107	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B107	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B107	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B107	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B107	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B107	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B107	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B107	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B107	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84-74-2	B107	SVOC	Dibutyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
131-11-3	B107	SVOC	Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B107	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B107	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B107	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B107	SVOC	PAHs (High MW)	0.615	3.07	2	20	4	0.4	0.7	0.07	--	--	--	--	7	1	1	0.2	3	0.5	0.4	0.08	8	2	1	0.2
130498-29-2L	B107	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.002	0.0002	0.0001	0.00001	--	--	--	--	0.03	0.005	0.002	0.0004	0.009	0.002	0.0006	0.0001	0.03	0.006	0.002	0.0004
130498-29-2	B107	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B107	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B107	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.005	0.0005	0.003	0.0003	0.0005	0.00005	0.0002	0.00002	0.002	0.0002	0.001	0.0001
129-00-0	B107	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-67-8	B107	VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B107	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100-41-4	B107	VOC	Ethylbenzene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98-82-8	B107	VOC	Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-20-9	B107	VOC	Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B107	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B107	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
100-42-5	B107	VOC	Styrene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-01-6	B107	VOC	Trichloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B108	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B108	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B108	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B108	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B108	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B108	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B108	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B108	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B108	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B108	INORG	Lead	4.7	8.9	1.63	3.26	0.1	0.06	--	--	0.08	0.04	--	--	0.02	0.009	--	--	0.02	0.01	--	--	0.03	0.01	--	--
7439-93-2	B108	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B108	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B108	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B108	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B108	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B108	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B108	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B108	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B108	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B109137	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B109137	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B109137	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B109137	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B109137	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B109137	INORG	Chromium	2.4	58.2	2.66	15.6	2	0.3	--	--	0.1	0.02	--	--	0.5	0.02	--	--	0.3	0.01	--	--	0.6	0.02	--	--
7440-48-4	B109137	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B109137	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B109137	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	B109137	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B109137	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B109137	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B109137	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B109137	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B109137	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B109137	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B109137	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B109137	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B109137	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92-52-4	B109137	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90-12-0	B109137	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B109137	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B109137	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B109137	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B109137	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B109137	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B109137	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B109137	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B109137	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B109137	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-68-7	B109137	SVOC	Butylbenzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B109137	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B109137	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B109137	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B109137	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B109137	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B109137	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B109137	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B109137	SVOC	PAHs (High MW)	0.615	3.07	2	20	7	0.7	4	0.4	--	--	--	--	10	2	7	1	4	0.8	2	0.5	10	3	7	1
130498-29-2L	B109137	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.03	0.003	0.004	0.0004	--	--	--	--	0.4	0.07	0.05	0.009	0.1	0.03	0.02	0.003	0.4	0.09	0.05	0.01
130498-29-2	B109137	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B109137	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B109137	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95-63-6	B109137	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-67-8	B109137	VOC	1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B109137	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100-41-4	B109137	VOC	Ethylbenzene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98-82-8	B109137	VOC	Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-87-2	B109137	VOC	Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B109137	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-20-3	B109137	VOC	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
104-51-8	B109137	VOC	n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
103-65-1	B109137	VOC	n-Propyl benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B109137	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135-98-8	B109137	VOC	sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98-06-6	B109137	VOC	tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B109137	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330-20-7	B109137	VOC	Xylenes (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B110111112	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B110111112	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B110111112	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B110111112	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B110111112	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-43-9	B110111112	INORG	Cadmium	0.77	7.7	1.47	6.35	0.08	0.02	--	--	0.007	0.002	--	--	0.1	0.01	--	--	0.04	0.004	--	--	0.1	0.01	--	--
7440-47-3	B110111112	INORG	Chromium	2.4	58.2	2.66	15.6	2	0.4	1	0.2	0.2	0.03	0.1	0.02	0.7	0.03	0.4	0.02	0.5	0.02	0.3	0.01	0.8	0.03	0.5	0.02
7440-48-4	B110111112	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B110111112	INORG	Copper	5.6	9.34	4.05	12.1	3	0.9	2	0.7	0.4	0.1	0.4	0.1	0.7	0.4	0.5	0.3	0.5	0.3	0.4	0.2	0.8	0.5	0.6	0.4
7439-92-1	B110111112	INORG	Lead	4.7	8.9	1.63	3.26	0.5	0.2	0.09	0.05	0.1	0.07	0.07	0.03	0.06	0.03	0.01	0.007	0.05	0.03	0.02	0.009	0.08	0.04	0.02	0.01
7439-93-2	B110111112	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B110111112	INORG	Manganese	51.5	145.7	179	376.6	0.007	0.004	--	--	0.0002	0.00007	--	--	0.007	0.002	--	--	0.004	0.001	--	--	0.007	0.002	--	--
7439-97-6	B110111112	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B110111112	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B110111112	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B110111112	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B110111112	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B110111112	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B110111112	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B110111112	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B110111112	INORG	Zinc	75.4	297.6	66.1	171.4	0.3	0.1	--	--	0.1	0.06	--	--	0.1	0.04	--	--	0.1	0.03	--	--	0.2	0.05	--	--
86-57-7	B110111112	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
118-96-7	B110111112	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	0.05	0.002	0.01	0.0004	--	--	--	--	1	1	0.3	0.2	0.2	0.1	0.04	0.02	0.7	0.5	0.1	0.09
2691-41-0	B110111112	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	B110111112	PEST	beta-BHC	0.4	2	2	20	0.0006	0.00006	0.0002	0.00002	0.001	0.0001	0.0003	0.00003	0.001	0.0003	0.0004	0.00008	0.003	0.0006	0.0009	0.0002	0.003	0.0006	0.0009	0.0002
319-86-8	B110111112	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B110111112	PEST	Endosulfan	0.15	--	10	--	0.00008	--	0.00003	--	0.0001	--	0.00004	--	0.003	--	0.0008	--	0.005	--	0.002	--	0.005	--	0.002	--
7421-93-4	B110111112	PEST	Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	B110111112	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	0.1	0.01	0.07	0.007	0.2	0.02	0.1	0.01	0.004	0.00004	0.002	0.00002	0.009	0.00009	0.005	0.00005	0.009	0.00009	0.005	0.00005
58-89-9	B110111112	PEST	Lindane	8	80	2	20	0.00004	0.000004	0.00003	0.000003	0.00006	0.000006	0.00005	0.000005	0.000004	0.0000004	0.000004	0.0000004	0.000009	0.0000009	0.000008	0.0000008	0.00001	0.000001	0.000009	0.0000009
72-43-5	B110111112	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.00005	0.00003	0.00003	0.00002	0.0001	0.00006	0.00007	0.00004	0.0001	0.00006	0.00008	0.00004
92-52-4	B110111112	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90-12-0	B110111112	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B110111112	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B110111112	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B110111112	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B110111112	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B110111112	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B110111112	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B110111112	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B110111112	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B110111112	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B110111112	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B110111112	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B110111112	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B110111112	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B110111112	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B110111112	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B110111112	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B110111112	SVOC	PAHs (High MW)	0.615	3.07	2	20	3	0.3	0.4	0.04	--	--	--	--	4	0.9	0.6	0.1	2	0.3	0.2	0.04	5	1	0.7	0.1
130498-29-2L	B110111112	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.002	0.0002	0.0001	0.00001	--	--	--	--	0.02	0.004	0.002	0.0003	0.007	0.001	0.0005	0.0001	0.02	0.005	0.002	0.0003
130498-29-2	B110111112	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B110111112	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B110111112	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B110111112	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B110111112	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B113	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B113	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B113	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B113	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B113	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.08	0.07	--	--	0.02	0.02	--	--	0.04	0.03	--	--
7440-42-8	B113	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B113	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B113	INORG	Chromium	2.4	58.2	2.66	15.6	3	0.5	0.8	0.1	0.2	0.04	0.08	0.01	1	0.04	0.3	0.01	0.7	0.03	0.2	0.008	1	0.05	0.3	0.01
7440-48-4	B113	INORG	Cobalt	7.33	18.9	7.61	18.34	0.3	0.1	0.008	0.003	0.01	0.005	0.00009	0.00004	0.08	0.03	0.002	0.0007	0.06	0.02	0.001	0.0005	0.09	0.03	0.002	0.0008
7440-50-8	B113	INORG	Copper	5.6	9.34	4.05	12.1	2	0.6	0.5	0.2	0.4	0.1	0.3	0.1	0.5	0.3	0.2	0.1	0.3	0.2	0.2	0.1	0.6	0.3	0.2	0.1
57-12-5	B113	INORG	Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B113	INORG	Lead	4.7	8.9	1.63	3.26	5	2	3	1	0.4	0.2	0.3	0.2	0.5	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.6	0.3	0.3	0.2
7439-93-2	B113	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B113	INORG	Manganese	51.5	145.7	179	376.6	0.1	0.07	--	--	0.003	0.002	--	--	0.1	0.04	--	--	0.07	0.03	--	--	0.1	0.04	--	--
7439-97-6	B113	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B113	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B113	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B113	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B113	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B113	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B113	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B113	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B113	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B113	INORG	Zinc	75.4	297.6	66.1	171.4	2	0.9	1	0.6	0.2	0.08	0.2	0.07	0.8	0.2	0.6	0.2	0.4	0.1	0.3	0.08	0.9	0.2	0.7	0.2
121-82-4	B113	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.01	0.004	0.004	0.002	--	--	--	--	0.01	0.005	0.006	0.002	0.004	0.002	0.002	0.0008	0.009	0.004	0.004	0.002
309-00-2	B113	PEST	Aldrin	0.2	1	0.007	0.035	9	2	4	0.8	20	3	7	1	0.1	0.03	0.06	0.01	0.3	0.07	0.1	0.03	0.4	0.07	0.2	0.03
115-29-7	B113	PEST	Endosulfan	0.15	--	10	--	0.0002	--	0.002	--	0.0003	--	0.003	--	0.006	--	0.06	--	0.01	--	0.1	--	0.01	--	0.1	--
1031-07-8	B113	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-20-8	B113	PEST	Endrin	0.092	0.92	0.01	0.1	0.009	0.0009	0.3	0.03	0.02	0.002	0.5	0.05	0.0004	0.00004	0.01	0.001	0.001	0.0001	0.03	0.003	0.001	0.0001	0.03	0.003
7421-93-4	B113	PEST	Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58-89-9	B113	PEST	Lindane	8	80	2	20	0.0001	0.00001	0.0008	0.00008	0.0002	0.00002	0.001	0.0001	0.00001	0.000001	0.0001	0.00001	0.00003	0.000003	0.0002	0.00002	0.00003	0.000003	0.0002	0.00002
72-43-5	B113	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.0003	0.0002	0.002	0.0009	0.0007	0.0004	0.004	0.002	0.0008	0.0004	0.004	0.002
122-66-7	B113	SVOC	1,2-Diphenylhydrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
59-50-7	B113	SVOC	4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B113	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
62-53-3	B113	SVOC	Aniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B113	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B113	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B113	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B113	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B113	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B113	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65-85-0	B113	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
119-61-9	B113	SVOC	Benzophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B113	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B113	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B113	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2698-41-1	B113	SVOC	CS (ortho-Chlorobenzylid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B113	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B113	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B113	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B113	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89-98-5	B113	SVOC	ortho-Chlorobenzaldehyd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B113	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.3	0.03	0.1	0.01	--	--	--	--	0.6	0.1	0.2	0.05	0.2	0.04	0.09	0.02	0.6	0.1	0.3	0.05
130498-29-2L	B113	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.0001	0.00001	0.00002	0.000002	--	--	--	--	0.002	0.0004	0.0002	0.00005	0.0006	0.0001	0.00006	0.00001	0.002	0.0004	0.0002	0.00004
130498-29-2	B113	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B113	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B113	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.02	0.002	0.008	0.0008	0.002	0.0002	0.0007	0.00007	0.008	0.0008	0.003	0.0003
129-00-0	B113	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
107-06-2	B113	VOC	1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B113	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
71-43-2	B113	VOC	Benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	B113	VOC	cis-1,2-Dichloroethene	45.2	450.2	--	--	--	--	--	--	--	--	--	--	0.0004	0.00004	0.00006	0.000006	0.00007	0.000007	0.00001	0.000001	0.0003	0.00003	0.00003	0.000003
110-82-7	B113	VOC	Cyclohexane	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98-82-8	B113	VOC	Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B113	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-65-0	B113	VOC	t-Butyl alcohol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
127-18-4	B113	VOC	Tetrachloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B113	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-60-5	B113	VOC	trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-01-6	B113	VOC	Trichloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B114	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B114	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B114	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B114	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B114	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B114	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B114	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B114	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B114	INORG	Lead	4.7	8.9	1.63	3.26	0.06	0.03	--	--	0.06	0.03	--	--	0.01	0.005	--	--	0.01	0.007	--	--	0.02	0.008	--	--
7439-93-2	B114	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B114	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B114	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B114	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B114	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B114	INORG	Selenium	0.143	0.215	0.29	0.579	0.5	0.2	--	--	0.2	0.1	--	--	0.5	0.3	--	--	0.4	0.2	--	--	0.6	0.4	--	--
7440-22-4	B114	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B114	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B114	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B114	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B114	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	B114	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.00004	0.000008	0.00004	0.000008	0.00007	0.00001	0.00007	0.00001	0.000008	0.000004	0.000008	0.000004	0.00002	0.00001	0.00002	0.00001	0.00002	0.00001	0.00002	0.00001
319-86-8	B114	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B114	PEST	Endosulfan	0.15	--	10	--	0.000007	--	0.000007	--	0.00001	--	0.00001	--	0.0002	--	0.0002	--	0.0005	--	0.0005	--	0.0005	--	0.0005	--
56-55-3	B114	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B114	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B114	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B114	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B114	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B114	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.1	0.01	0.05	0.005	--	--	--	--	0.2	0.03	0.09	0.02	0.06	0.01	0.03	0.006	0.2	0.04	0.09	0.02
130498-29-2L	B114	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00006	0.000006	0.00002	0.000002	--	--	--	--	0.0008	0.0002	0.0003	0.00005	0.0003	0.00005	0.00007	0.00001	0.0008	0.0002	0.0002	0.00005
130498-29-2	B114	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B114	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B114	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
591-78-6	B114	VOC	2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-94-1	B114	VOC	Cyclohexanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B115	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B115	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B115	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B115	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B115	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B115	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B115	INORG	Chromium	2.4	58.2	2.66	15.6	0.8	0.1	--	--	0.08	0.01	--	--	0.3	0.01	--	--	0.2	0.007	--	--	0.3	0.01	--	--
7440-48-4	B115	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B115	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B115	INORG	Lead	4.7	8.9	1.63	3.26	0.1	0.05	--	--	0.07	0.04	--	--	0.02	0.009	--	--	0.02	0.01	--	--	0.02	0.01	--	--
7439-93-2	B115	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7439-96-5	B115	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B115	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B115	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B115	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B115	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B115	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B115	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B115	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B115	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	B115	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B115	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B115	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B115	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-55-9	B115	PEST	4,4'-DDE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	B115	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.01	0.001	0.01	0.001	0.03	0.003	0.03	0.003	0.01	0.002	0.01	0.002	0.03	0.006	0.03	0.006	0.03	0.007	0.03	0.007
309-00-2	B115	PEST	Aldrin	0.2	1	0.007	0.035	0.008	0.002	0.008	0.002	0.01	0.003	0.01	0.003	0.0001	0.00002	0.0001	0.00002	0.0003	0.00006	0.0003	0.00006	0.0003	0.00006	0.0003	0.00006
57-74-9	B115	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0002	0.00003	0.0002	0.00003	0.0003	0.00005	0.0003	0.00005	0.00003	0.00002	0.00003	0.00002	0.00008	0.00004	0.00008	0.00004	0.00008	0.00004	0.00008	0.00004
115-29-7	B115	PEST	Endosulfan	0.15	--	10	--	0.00004	--	0.00004	--	0.00006	--	0.00006	--	0.001	--	0.001	--	0.002	--	0.002	--	0.003	--	0.003	--
72-20-8	B115	PEST	Endrin	0.092	0.92	0.01	0.1	0.04	0.004	0.04	0.004	0.06	0.006	0.06	0.006	0.002	0.0002	0.002	0.0002	0.004	0.0004	0.004	0.0004	0.004	0.0004	0.004	0.0004
1024-57-3	B115	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	0.6	0.06	0.6	0.06	1	0.1	1	0.1	0.02	0.0002	0.02	0.0002	0.04	0.0004	0.04	0.0004	0.04	0.0004	0.04	0.0004
117-81-7	B115	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B115	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.001	0.0001	0.0009	0.00009	0.0001	0.00001	0.00008	0.000008	0.0006	0.00006	0.0003	0.00003
75-09-2	B115	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B115	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	B115	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-01-6	B115	VOC	Trichloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B116128	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B116128	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B116128	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B116128	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B116128	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B116128	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B116128	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B116128	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B116128	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B116128	INORG	Lead	4.7	8.9	1.63	3.26	0.4	0.2	0.04	0.02	0.1	0.07	0.04	0.02	0.05	0.03	0.007	0.004	0.05	0.02	0.01	0.005	0.07	0.04	0.01	0.006
7439-93-2	B116128	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B116128	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B116128	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B116128	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B116128	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B116128	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B116128	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B116128	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B116128	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B116128	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-86-8	B116128	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B116128	PEST	Endosulfan	0.15	--	10	--	0.0004	--	0.0004	--	0.0006	--	0.0006	--	0.01	--	0.01	--	0.02	--	0.02	--	0.03	--	0.03	--
7421-93-4	B116128	PEST	Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	B116128	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	0.2	0.02	0.2	0.02	0.3	0.03	0.3	0.03	0.005	0.00005	0.005	0.00005	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001
58-89-9	B116128	PEST	Lindane	8	80	2	20	0.00006	0.000006	0.00006	0.000006	0.0001	0.00001	0.0001	0.00001	0.000007	0.0000007	0.000007	0.0000007	0.00001	0.000001	0.00001	0.000001	0.00002	0.000002	0.00002	0.000002
83-32-9	B116128	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B116128	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B116128	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B116128	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B116128	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B116128	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B116128	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
119-61-9	B116128	SVOC	Benzophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B116128	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B116128	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B116128	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B116128	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
131-11-3	B116128	SVOC	Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B116128	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B116128	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B116128	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B116128	SVOC	PAHs (High MW)	0.615	3.07	2	20	1	0.1	0.4	0.04	--	--	--	--	2	0.4	0.7	0.1	0.7	0.1	0.2	0.05	2	0.5	0.8	0.2
130498-29-2L	B116128	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.0004	0.00004	0.00006	0.000006	--	--	--	--	0.005	0.001	0.0008	0.0002	0.002	0.0004	0.0003	0.00005	0.006	0.001	0.0008	0.0002
130498-29-2	B116128	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B116128	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B116128	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.001	0.0001	0.0007	0.00007	0.0001	0.00001	0.00006	0.000006	0.0005	0.00005	0.0003	0.00003
129-00-0	B116128	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
107-06-2	B116128	VOC	1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B116128	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
127-18-4	B116128	VOC	Tetrachloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-01-6	B116128	VOC	Trichloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-01-4	B116128	VOC	Vinyl chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B117	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B117	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	10	1	--	--	4	0.4	--	--	10	1	--	--
7440-38-2	B117	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B117	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B117	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.02	0.02	--	--	0.004	0.003	--	--	0.008	0.006	--	--
7440-42-8	B117	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-43-9	B117	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B117	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B117	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B117	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B117	INORG	Lead	4.7	8.9	1.63	3.26	2	0.9	1	0.5	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.06	0.2	0.08	0.09	0.05	0.3	0.1	0.2	0.08
7439-93-2	B117	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B117	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B117	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B117	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B117	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B117	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B117	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B117	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B117	INORG	Zinc	75.4	297.6	66.1	171.4	0.9	0.3	0.3	0.1	0.2	0.07	0.1	0.06	0.4	0.1	0.2	0.04	0.2	0.05	0.1	0.03	0.5	0.1	0.2	0.06
86-57-7	B117	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
93-76-5	B117	PEST	2,4,5-T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	B117	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.02	0.002	0.006	0.0006	0.06	0.006	0.02	0.002	0.02	0.004	0.005	0.001	0.05	0.01	0.01	0.003	0.05	0.01	0.01	0.003
309-00-2	B117	PEST	Aldrin	0.2	1	0.007	0.035	0.3	0.06	0.08	0.02	0.5	0.1	0.1	0.03	0.004	0.0009	0.001	0.0002	0.01	0.002	0.003	0.0006	0.01	0.002	0.003	0.0006
319-85-7	B117	PEST	beta-BHC	0.4	2	2	20	0.002	0.0002	0.0007	0.00007	0.004	0.0004	0.001	0.0001	0.006	0.001	0.002	0.0003	0.01	0.003	0.003	0.0007	0.01	0.003	0.004	0.0007
115-29-7	B117	PEST	Endosulfan	0.15	--	10	--	0.00006	--	0.00004	--	0.0001	--	0.00006	--	0.002	--	0.001	--	0.004	--	0.002	--	0.004	--	0.002	--
1031-07-8	B117	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-43-5	B117	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.0001	0.00005	0.00005	0.00002	0.0003	0.0001	0.0001	0.00005	0.0003	0.0001	0.0001	0.00006
56-55-3	B117	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B117	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B117	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B117	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B117	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84-74-2	B117	SVOC	Dibutyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B117	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B117	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.08	0.008	0.02	0.002	--	--	--	--	0.1	0.03	0.03	0.006	0.05	0.01	0.01	0.002	0.2	0.03	0.03	0.007
130498-29-2L	B117	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00004	0.000004	0.00001	0.000001	--	--	--	--	0.0006	0.0001	0.0002	0.00003	0.0002	0.00004	0.00005	0.000009	0.0006	0.0001	0.0002	0.00003
130498-29-2	B117	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B117	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B117	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.004	0.0004	0.0009	0.00009	0.0003	0.00003	0.00008	0.000008	0.001	0.0001	0.0004	0.00004
129-00-0	B117	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B119120	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B119120	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B119120	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B119120	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B119120	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B119120	INORG	Chromium	2.4	58.2	2.66	15.6	1	0.2	--	--	0.1	0.02	--	--	0.4	0.01	--	--	0.2	0.01	--	--	0.4	0.02	--	--
7440-48-4	B119120	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B119120	INORG	Copper	5.6	9.34	4.05	12.1	0.2	0.06	--	--	0.2	0.08	--	--	0.06	0.04	--	--	0.1	0.06	--	--	0.1	0.06	--	--
7439-92-1	B119120	INORG	Lead	4.7	8.9	1.63	3.26	3	1	0.7	0.4	0.3	0.2	0.2	0.09	0.3	0.2	0.09	0.05	0.2	0.1	0.07	0.04	0.3	0.2	0.1	0.06
7439-93-2	B119120	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B119120	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B119120	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B119120	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B119120	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B119120	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B119120	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B119120	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B119120	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B119120	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B119120	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-57-7	B119120	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
121-82-4	B119120	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.005	0.002	0.003	0.001	--	--	--	--	0.006	0.003	0.004	0.002	0.002	0.0008	0.001	0.0006	0.004	0.002	0.003	0.001
92-52-4	B119120	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90-12-0	B119120	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B119120	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B119120	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
208-96-8	B119120	SVOC	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B119120	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B119120	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B119120	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B119120	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B119120	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B119120	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B119120	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B119120	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B119120	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B119120	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B119120	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B119120	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B119120	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B119120	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B119120	SVOC	PAHs (High MW)	0.615	3.07	2	20	20	2	10	1	--	--	--	--	30	5	20	3	10	2	6	1	30	6	20	4
130498-29-2L	B119120	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.006	0.0006	0.004	0.0004	--	--	--	--	0.08	0.02	0.05	0.01	0.03	0.006	0.02	0.004	0.09	0.02	0.06	0.01
130498-29-2	B119120	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B119120	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B119120	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.0006	0.00006	0.0004	0.00004	0.00006	0.000006	0.00003	0.000003	0.0002	0.00002	0.0001	0.00001
129-00-0	B119120	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-94-1	B119120	VOC	Cyclohexanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B119120	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
108-88-3	B119120	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B122	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B122	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B122	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B122	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B122	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B122	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B122	INORG	Chromium	2.4	58.2	2.66	15.6	0.7	0.1	--	--	0.07	0.01	--	--	0.2	0.01	--	--	0.2	0.007	--	--	0.3	0.01	--	--
7440-48-4	B122	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B122	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B122	INORG	Lead	4.7	8.9	1.63	3.26	2	1	0.6	0.3	0.3	0.1	0.2	0.08	0.2	0.1	0.08	0.04	0.2	0.08	0.06	0.03	0.3	0.1	0.1	0.05
7439-93-2	B122	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B122	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B122	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B122	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B122	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B122	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B122	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	B122	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B122	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B122	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B122	INORG	Zinc	75.4	297.6	66.1	171.4	0.7	0.3	0.4	0.2	0.2	0.07	0.2	0.06	0.3	0.08	0.2	0.06	0.2	0.05	0.1	0.04	0.4	0.1	0.3	0.07
90-12-0	B122	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B122	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B122	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B122	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B122	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B122	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B122	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B122	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B122	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B122	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B122	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B122	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.2	0.02	0.02	0.002	--	--	--	--	0.3	0.06	0.04	0.007	0.1	0.02	0.01	0.003	0.3	0.06	0.04	0.008
130498-29-2L	B122	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00006	0.000006	0.000006	0.0000006	--	--	--	--	0.0008	0.0002	0.0001	0.00002	0.0003	0.00005	0.00002	0.000005	0.0009	0.0002	0.00008	0.00002
130498-29-2	B122	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B122	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B122	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B122	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B122	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B123	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B123	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B123	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B123	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B123	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B123	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B123	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B123	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B123	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B123	INORG	Lead	4.7	8.9	1.63	3.26	0.9	0.5	0.3	0.2	0.2	0.1	0.1	0.06	0.1	0.06	0.04	0.02	0.09	0.05	0.04	0.02	0.1	0.07	0.06	0.03
7439-93-2	B123	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B123	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B123	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B123	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B123	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B123	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B123	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B123	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B123	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B123	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B123	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B123	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B123	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.04	0.004	0.01	0.001	--	--	--	--	0.07	0.01	0.02	0.004	0.03	0.005	0.008	0.002	0.08	0.02	0.02	0.005
130498-29-2	B123	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B123	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B124135	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B124135	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B124135	INORG	Barium	51.8	82.7	20.8	41.7	0.2	0.1	--	--	0.00008	0.00004	--	--	0.02	0.01	--	--	0.01	0.007	--	--	0.02	0.01	--	--
7440-41-7	B124135	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B124135	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B124135	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B124135	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B124135	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B124135	INORG	Copper	5.6	9.34	4.05	12.1	200	70	20	7	0.7	0.2	0.5	0.2	50	30	5	3	20	10	3	2	60	30	5	3
7439-92-1	B124135	INORG	Lead	4.7	8.9	1.63	3.26	3	1	1	0.5	0.4	0.2	0.2	0.1	0.3	0.2	0.1	0.07	0.2	0.1	0.09	0.05	0.4	0.2	0.2	0.08
7439-93-2	B124135	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B124135	INORG	Manganese	51.5	145.7	179	376.6	0.03	0.02	--	--	0.0008	0.0004	--	--	0.03	0.01	--	--	0.02	0.006	--	--	0.03	0.01	--	--
7439-97-6	B124135	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B124135	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B124135	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B124135	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B124135	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B124135	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B124135	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-32-6	B124135	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B124135	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B124135	INORG	Zinc	75.4	297.6	66.1	171.4	0.3	0.1	--	--	0.2	0.06	--	--	0.2	0.04	--	--	0.1	0.03	--	--	0.2	0.06	--	--
117-81-7	B124135	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B124135	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.005	0.0005	0.0008	0.00008	0.0005	0.00005	0.00007	0.000007	0.002	0.0002	0.0003	0.00003
67-64-1	B124135	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B124135	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B125136	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B125136	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B125136	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B125136	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B125136	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B125136	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B125136	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B125136	INORG	Chromium	2.4	58.2	2.66	15.6	0.2	0.03	--	--	0.02	0.004	--	--	0.05	0.002	--	--	0.04	0.002	--	--	0.06	0.002	--	--
7440-48-4	B125136	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B125136	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B125136	INORG	Lead	4.7	8.9	1.63	3.26	0.5	0.2	0.2	0.1	0.1	0.07	0.1	0.05	0.06	0.03	0.03	0.01	0.05	0.03	0.03	0.01	0.08	0.04	0.04	0.02
7439-93-2	B125136	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B125136	INORG	Manganese	51.5	145.7	179	376.6	0.09	0.04	--	--	0.002	0.0009	--	--	0.07	0.02	--	--	0.04	0.02	--	--	0.07	0.02	--	--
7439-97-6	B125136	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B125136	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B125136	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B125136	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B125136	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B125136	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B125136	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B125136	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B125136	INORG	Zinc	75.4	297.6	66.1	171.4	0.9	0.4	0.4	0.2	0.2	0.07	0.2	0.06	0.4	0.1	0.2	0.06	0.2	0.06	0.1	0.04	0.5	0.1	0.3	0.08
92-52-4	B125136	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90-12-0	B125136	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	B125136	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	B125136	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B125136	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B125136	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B125136	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B125136	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B125136	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B125136	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B125136	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B125136	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B125136	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	B125136	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B125136	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	B125136	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B125136	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B125136	SVOC	PAHs (High MW)	0.615	3.07	2	20	3	0.3	0.9	0.09	--	--	--	--	5	1	2	0.3	2	0.4	0.6	0.1	6	1	2	0.4
130498-29-2L	B125136	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.002	0.0002	0.0001	0.00001	--	--	--	--	0.02	0.005	0.002	0.0004	0.009	0.002	0.0007	0.0001	0.03	0.006	0.002	0.0004
130498-29-2	B125136	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B125136	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B125136	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
71-43-2	B125136	VOC	Benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B134	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B134	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B134	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B134	INORG	Barium	51.8	82.7	20.8	41.7	1	0.6	--	--	0.0004	0.0002	--	--	0.1	0.08	--	--	0.06	0.04	--	--	0.1	0.06	--	--
7440-41-7	B134	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B134	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B134	INORG	Cobalt	7.33	18.9	7.61	18.34	0.01	0.006	--	--	0.0002	0.00007	--	--	0.003	0.001	--	--	0.002	0.0008	--	--	0.003	0.001	--	--
7440-50-8	B134	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B134	INORG	Lead	4.7	8.9	1.63	3.26	0.6	0.3	0.1	0.06	0.2	0.08	0.08	0.04	0.07	0.04	0.02	0.01	0.06	0.03	0.02	0.01	0.1	0.05	0.03	0.01
7439-93-2	B134	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B134	INORG	Manganese	51.5	145.7	179	376.6	2	0.9	0.1	0.06	0.04	0.02	0.003	0.001	1	0.5	0.1	0.04	0.9	0.3	0.07	0.02	1	0.4	0.1	0.04
7439-97-6	B134	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B134	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B134	INORG	Selenium	0.143	0.215	0.29	0.579	0.5	0.2	--	--	0.2	0.1	--	--	0.5	0.3	--	--	0.4	0.2	--	--	0.6	0.4	--	--
7440-22-4	B134	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B134	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B134	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B134	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B134	INORG	Zinc	75.4	297.6	66.1	171.4	0.2	0.07	--	--	0.1	0.05	--	--	0.1	0.02	--	--	0.09	0.02	--	--	0.1	0.04	--	--
7429-90-5	B142	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B142	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B142	INORG	Barium	51.8	82.7	20.8	41.7	0.2	0.1	--	--	0.00008	0.00004	--	--	0.02	0.01	--	--	0.01	0.007	--	--	0.02	0.01	--	--
7440-41-7	B142	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B142	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B142	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B142	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B142	INORG	Cobalt	7.33	18.9	7.61	18.34	0.004	0.002	--	--	0.00003	0.00001	--	--	0.0008	0.0003	--	--	0.0006	0.0002	--	--	0.0009	0.0003	--	--
7440-50-8	B142	INORG	Copper	5.6	9.34	4.05	12.1	0.2	0.06	--	--	0.2	0.08	--	--	0.07	0.04	--	--	0.1	0.07	--	--	0.1	0.06	--	--
7439-92-1	B142	INORG	Lead	4.7	8.9	1.63	3.26	0.4	0.2	--	--	0.1	0.07	--	--	0.06	0.03	--	--	0.05	0.03	--	--	0.08	0.04	--	--
7439-93-2	B142	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B142	INORG	Manganese	51.5	145.7	179	376.6	0.3	0.1	--	--	0.007	0.003	--	--	0.2	0.09	--	--	0.2	0.06	--	--	0.2	0.08	--	--
7439-97-6	B142	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7439-98-7	B142	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B142	INORG	Nickel	1.7	3.4	6.71	18.6	0.01	0.004	--	--	0.01	0.004	--	--	0.01	0.005	--	--	0.03	0.01	--	--	0.02	0.01	--	--
7440-24-6	B142	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B142	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B142	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B142	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-57-7	B142	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2691-41-0	B142	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
121-82-4	B142	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.2	0.09	0.08	0.04	--	--	--	--	0.2	0.1	0.1	0.04	0.08	0.04	0.03	0.01	0.2	0.08	0.07	0.03
72-54-8	B142	PEST	4,4'-DDD	0.147	0.735	0.227	2.27	0.005	0.0005	0.005	0.0005	0.01	0.001	0.01	0.001	0.005	0.0009	0.005	0.0009	0.01	0.002	0.01	0.002	0.01	0.003	0.01	0.002
50-29-3	B142	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.01	0.001	0.009	0.0009	0.04	0.004	0.02	0.002	0.01	0.002	0.008	0.002	0.03	0.007	0.02	0.004	0.03	0.007	0.02	0.005
57-74-9	B142	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0006	0.0001	0.0003	0.00007	0.001	0.0002	0.0006	0.0001	0.0001	0.00006	0.00007	0.00003	0.0003	0.0001	0.0002	0.00008	0.0003	0.0001	0.0002	0.00009
115-29-7	B142	PEST	Endosulfan	0.15	--	10	--	0.001	--	0.0009	--	0.002	--	0.002	--	0.04	--	0.03	--	0.08	--	0.06	--	0.08	--	0.07	--
72-20-8	B142	PEST	Endrin	0.092	0.92	0.01	0.1	0.05	0.005	0.03	0.003	0.09	0.009	0.05	0.005	0.002	0.0002	0.001	0.0001	0.006	0.0006	0.003	0.0003	0.006	0.0006	0.003	0.0003
58-89-9	B142	PEST	Lindane	8	80	2	20	0.003	0.0003	0.002	0.0002	0.006	0.0006	0.003	0.0003	0.0004	0.00004	0.0002	0.00002	0.0009	0.00009	0.0004	0.00004	0.0009	0.00009	0.0005	0.00005
72-43-5	B142	PEST	Methoxychlor	4	8	--	--	--	--	--	--	--	--	--	--	0.005	0.002	0.002	0.001	0.01	0.005	0.005	0.003	0.01	0.006	0.006	0.003
56-55-3	B142	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B142	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B142	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B142	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B142	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B142	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B142	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B142	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B142	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.2	0.02	0.1	0.01	--	--	--	--	0.3	0.06	0.2	0.03	0.1	0.02	0.06	0.01	0.4	0.07	0.2	0.04
130498-29-2L	B142	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00005	0.000005	0.00002	0.000002	--	--	--	--	0.0007	0.0001	0.0002	0.00005	0.0002	0.00005	0.00007	0.00001	0.0007	0.0001	0.0002	0.00004
130498-29-2	B142	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B142	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B142	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95-63-6	B142	VOC	1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
78-93-3	B142	VOC	2-Butanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B142	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-20-9	B142	VOC	Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B143	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B143	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B143	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B143	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B143	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B143	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B143	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B143	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B143	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B143	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	B143	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B143	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B143	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B143	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B143	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B143	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B143	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	B143	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0002	0.00003	0.0002	0.00003	0.0003	0.00005	0.0003	0.00005	0.00003	0.00002	0.00003	0.00002	0.00008	0.00004	0.00008	0.00004	0.00008	0.00004	0.00008	0.00004
319-86-8	B143	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B143	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B143	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89-98-5	B143	SVOC	ortho-Chlorobenzaldehyd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B143	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.08	0.008	0.03	0.003	--	--	--	--	0.1	0.03	0.05	0.01	0.05	0.01	0.02	0.004	0.2	0.03	0.06	0.01
130498-29-2	B143	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B143	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B143	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B144	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B144	INORG	Barium	51.8	82.7	20.8	41.7	0.5	0.2	0.1	0.06	0.0002	0.00008	0.00004	0.00002	0.05	0.03	0.01	0.008	0.02	0.02	0.006	0.004	0.04	0.02	0.01	0.006
7440-41-7	B144	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.05	0.04	--	--	0.01	0.009	--	--	0.02	0.02	--	--
7440-42-8	B144	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B144	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B144	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B144	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B144	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B144	INORG	Lead	4.7	8.9	1.63	3.26	0.3	0.2	--	--	0.1	0.06	--	--	0.04	0.02	--	--	0.04	0.02	--	--	0.06	0.03	--	--
7439-93-2	B144	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B144	INORG	Manganese	51.5	145.7	179	376.6	0.1	0.06	--	--	0.003	0.001	--	--	0.1	0.04	--	--	0.07	0.02	--	--	0.1	0.03	--	--
7439-97-6	B144	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B144	INORG	Nickel	1.7	3.4	6.71	18.6	0.09	0.03	--	--	0.03	0.01	--	--	0.08	0.04	--	--	0.1	0.06	--	--	0.1	0.05	--	--
7440-24-6	B144	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B144	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B144	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B144	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B144	INORG	Zinc	75.4	297.6	66.1	171.4	0.6	0.2	0.5	0.2	0.2	0.07	0.2	0.06	0.3	0.08	0.2	0.06	0.2	0.04	0.2	0.04	0.4	0.1	0.3	0.08
65-85-0	B144	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B146	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B146	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B146	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B146	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B146	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B146	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-48-4	B146	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B146	INORG	Copper	5.6	9.34	4.05	12.1	0.1	0.04	--	--	0.2	0.08	--	--	0.05	0.03	--	--	0.1	0.06	--	--	0.08	0.05	--	--
7439-92-1	B146	INORG	Lead	4.7	8.9	1.63	3.26	0.1	0.06	0.008	0.004	0.08	0.04	0.02	0.01	0.02	0.009	0.002	0.0009	0.02	0.01	0.004	0.002	0.03	0.01	0.004	0.002
7439-93-2	B146	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B146	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B146	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B146	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B146	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B146	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B146	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B146	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B146	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B146	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B146	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B146	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B146	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B146	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B146	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B146	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B146	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B146	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B146	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.2	0.02	0.09	0.009	--	--	--	--	0.3	0.06	0.1	0.03	0.1	0.02	0.05	0.01	0.3	0.07	0.2	0.03
130498-29-2L	B146	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00004	0.000004	0.00001	0.000001	--	--	--	--	0.0006	0.0001	0.0002	0.00004	0.0002	0.00003	0.00005	0.00001	0.0006	0.0001	0.0002	0.00003
130498-29-2	B146	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	B146	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B146	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B146	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B147	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B147	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B147	INORG	Barium	51.8	82.7	20.8	41.7	0.7	0.4	--	--	0.0003	0.0001	--	--	0.08	0.05	--	--	0.04	0.02	--	--	0.06	0.04	--	--
7440-41-7	B147	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B147	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B147	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B147	INORG	Chromium	2.4	58.2	2.66	15.6	2	0.4	0.1	0.02	0.2	0.03	0.02	0.004	0.7	0.03	0.05	0.002	0.4	0.02	0.04	0.002	0.8	0.03	0.06	0.002
7440-48-4	B147	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B147	INORG	Copper	5.6	9.34	4.05	12.1	0.5	0.2	--	--	0.3	0.1	--	--	0.1	0.09	--	--	0.2	0.09	--	--	0.2	0.1	--	--
7439-92-1	B147	INORG	Lead	4.7	8.9	1.63	3.26	0.5	0.3	0.1	0.06	0.2	0.08	0.07	0.04	0.07	0.04	0.02	0.009	0.06	0.03	0.02	0.01	0.09	0.05	0.03	0.01
7439-93-2	B147	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B147	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B147	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B147	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	B147	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B147	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B147	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B147	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B147	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B147	INORG	Zinc	75.4	297.6	66.1	171.4	1	0.5	0.6	0.2	0.2	0.07	0.2	0.06	0.5	0.1	0.3	0.08	0.3	0.07	0.2	0.04	0.6	0.2	0.4	0.09
99-35-4	B147	Nitroaromatics	1,3,5-Trinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
118-96-7	B147	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	0.03	0.001	0.008	0.0003	--	--	--	--	0.9	0.6	0.2	0.1	0.1	0.07	0.03	0.02	0.4	0.3	0.1	0.06
121-82-4	B147	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.01	0.005	0.003	0.001	--	--	--	--	0.01	0.006	0.004	0.002	0.004	0.002	0.001	0.0005	0.01	0.004	0.003	0.001
72-55-9	B147	PEST	4,4'-DDE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	B147	PEST	4,4'-DDT	0.147	0.735	0.227	2.27	0.06	0.006	0.03	0.003	0.2	0.02	0.07	0.007	0.06	0.01	0.02	0.005	0.2	0.03	0.06	0.01	0.2	0.03	0.06	0.01
309-00-2	B147	PEST	Aldrin	0.2	1	0.007	0.035	0.3	0.06	0.09	0.02	0.5	0.1	0.1	0.03	0.004	0.0009	0.001	0.0003	0.01	0.002	0.003	0.0006	0.01	0.002	0.003	0.0007
57-74-9	B147	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.002	0.0005	0.001	0.0003	0.004	0.0008	0.002	0.0005	0.0005	0.0002	0.0003	0.0001	0.001	0.0006	0.0007	0.0004	0.001	0.0006	0.0007	0.0004
115-29-7	B147	PEST	Endosulfan	0.15	--	10	--	0.001	--	0.0005	--	0.002	--	0.0009	--	0.03	--	0.02	--	0.07	--	0.04	--	0.07	--	0.04	--
72-20-8	B147	PEST	Endrin	0.092	0.92	0.01	0.1	0.1	0.01	0.04	0.004	0.2	0.02	0.07	0.007	0.006	0.0006	0.002	0.0002	0.02	0.002	0.005	0.0005	0.02	0.002	0.005	0.0005
58-89-9	B147	PEST	Lindane	8	80	2	20	0.0002	0.00002	0.00007	0.000007	0.0003	0.00003	0.0001	0.00001	0.00002	0.000002	0.000008	0.0000008	0.00004	0.000004	0.00002	0.000002	0.00005	0.000005	0.00002	0.000002
98-86-2	B147	SVOC	Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B147	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B147	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B147	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B147	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117-81-7	B147	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B147	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B147	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.08	0.008	0.01	0.001	--	--	--	--	0.1	0.03	0.02	0.003	0.05	0.01	0.006	0.001	0.1	0.03	0.02	0.004
130498-29-2	B147	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	B147	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.01	0.001	0.004	0.0004	0.0009	0.00009	0.0004	0.00004	0.004	0.0004	0.002	0.0002
78-93-3	B147	VOC	2-Butanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B147	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	B147	VOC	cis-1,2-Dichloroethene	45.2	450.2	--	--	--	--	--	--	--	--	--	--	0.0004	0.00004	0.00003	0.000003	0.00006	0.000006	0.000005	0.0000005	0.0002	0.00002	0.00002	0.000002
75-09-2	B147	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B147	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79-01-6	B147	VOC	Trichloroethylene	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B148	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B148	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B148	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B148	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B148	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B148	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B148	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B148	INORG	Cobalt	7.33	18.9	7.61	18.34	2	0.8	0.6	0.2	0.1	0.05	0.02	0.009	0.4	0.2	0.1	0.05	0.4	0.1	0.09	0.04	0.5	0.2	0.1	0.05
7440-50-8	B148	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B148	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	B148	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	Max/ NOAEL HQ	Max/ LOAEL HQ	Avg or UCL/ NOAEL HQ	Avg or UCL/ LOAEL HQ	Max/ NOAEL HQ	Max/ LOAEL HQ	Avg or UCL/ NOAEL HQ	Avg or UCL/ LOAEL HQ	Max/ NOAEL HQ	Max/ LOAEL HQ	Avg or UCL/ NOAEL HQ	Avg or UCL/ LOAEL HQ	Max/ NOAEL HQ	Max/ LOAEL HQ	Avg or UCL/ NOAEL HQ	Avg or UCL/ LOAEL HQ	Max/ NOAEL HQ	Max/ LOAEL HQ	Avg or UCL/ NOAEL HQ	Avg or UCL/ LOAEL HQ
7439-96-5	B148	INORG	Manganese	51.5	145.7	179	376.6	0.02	0.009	--	--	0.0004	0.0002	--	--	0.02	0.006	--	--	0.01	0.004	--	--	0.02	0.006	--	--
7439-97-6	B148	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B148	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B148	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B148	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B148	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B148	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B148	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B148	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B148	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
93-76-5	B148	PEST	2,4,5-T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	B148	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.00003	0.000007	0.00002	0.000004	0.00006	0.00001	0.00004	0.000008	0.000007	0.000004	0.000005	0.000002	0.00002	0.000009	0.00001	0.000005	0.00002	0.000009	0.00001	0.000006
115-29-7	B148	PEST	Endosulfan	0.15	--	10	--	0.00003	--	0.00003	--	0.00004	--	0.00004	--	0.0008	--	0.0008	--	0.002	--	0.002	--	0.002	--	0.002	--
75-09-2	B148	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B148	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B149	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B149	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B149	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B149	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B149	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B149	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B149	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B149	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B149	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B149	INORG	Lead	4.7	8.9	1.63	3.26	0.7	0.3	0.5	0.3	0.2	0.09	0.2	0.08	0.08	0.04	0.06	0.03	0.07	0.04	0.05	0.03	0.1	0.06	0.08	0.04
7439-93-2	B149	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B149	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B149	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B149	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B149	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B149	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B149	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B149	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B149	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B149	INORG	Zinc	75.4	297.6	66.1	171.4	0.2	0.07	--	--	0.1	0.05	--	--	0.1	0.02	--	--	0.09	0.02	--	--	0.1	0.04	--	--
108-95-2	B149	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.02	0.002	0.01	0.001	0.002	0.0002	0.001	0.0001	0.007	0.0007	0.005	0.0005
75-09-2	B149	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B150151	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B150151	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B150151	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B150151	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B150151	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B150151	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B150151	INORG	Chromium	2.4	58.2	2.66	15.6	0.1	0.02	--	--	0.02	0.004	--	--	0.04	0.002	--	--	0.04	0.001	--	--	0.05	0.002	--	--
7440-48-4	B150151	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B150151	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B150151	INORG	Lead	4.7	8.9	1.63	3.26	0.1	0.07	0.02	0.008	0.08	0.04	0.03	0.01	0.02	0.01	0.003	0.002	0.02	0.01	0.006	0.003	0.03	0.02	0.006	0.003
7439-93-2	B150151	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B150151	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B150151	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B150151	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B150151	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B150151	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B150151	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	B150151	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B150151	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B150151	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B150151	INORG	Zinc	75.4	297.6	66.1	171.4	1	0.4	0.6	0.2	0.2	0.07	0.2	0.06	0.5	0.1	0.3	0.07	0.2	0.06	0.2	0.04	0.5	0.1	0.4	0.09
121-82-4	B150151	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.005	0.002	0.003	0.001	--	--	--	--	0.006	0.003	0.004	0.002	0.002	0.0009	0.001	0.0006	0.005	0.002	0.003	0.001
57-74-9	B150151	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.00005	0.00001	0.00005	0.00001	0.00008	0.00002	0.00008	0.00002	0.00001	0.000005	0.00001	0.000005	0.00002	0.00001	0.00002	0.00001	0.00003	0.00001	0.00003	0.00001
115-29-7	B150151	PEST	Endosulfan	0.15	--	10	--	0.00006	--	0.00006	--	0.00009	--	0.00009	--	0.002	--	0.002	--	0.004	--	0.004	--	0.004	--	0.004	--
1024-57-3	B150151	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	0.1	0.01	0.1	0.01	0.2	0.02	0.2	0.02	0.003	0.00003	0.003	0.00003	0.008	0.00008	0.008	0.00008	0.009	0.00009	0.009	0.00009
208-96-8	B150151	SVOC	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	B150151	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	B150151	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	B150151	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	B150151	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	B150151	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	B150151	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	B150151	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	B150151	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	B150151	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	B150151	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	B150151	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	B150151	SVOC	PAHs (High MW)	0.615	3.07	2	20	1	0.1	0.4	0.04	--	--	--	--	2	0.4	0.6	0.1	0.6	0.1	0.2	0.04	2	0.4	0.7	0.1
130498-29-2L	B150151	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.00007	0.000007	0.00001	0.000001	--	--	--	--	0.0009	0.0002	0.0002	0.00004	0.0003	0.00006	0.00006	0.00001	0.001	0.0002	0.0002	0.00004
130498-29-2	B150151	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	B150151	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B150151	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B150151	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B152	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B152	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B152	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B152	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-42-8	B152	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B152	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B152	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B152	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B152	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B152	INORG	Lead	4.7	8.9	1.63	3.26	0.4	0.2	0.2	0.1	0.1	0.07	0.1	0.05	0.06	0.03	0.03	0.01	0.05	0.03	0.03	0.01	0.07	0.04	0.04	0.02
7439-93-2	B152	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B152	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B152	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B152	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B152	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B152	INORG	Selenium	0.143	0.215	0.29	0.579	2	0.8	--	--	0.3	0.2	--	--	2	1	--	--	0.8	0.5	--	--	1	1	--	--
7440-24-6	B152	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B152	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B152	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B152	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B152	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
121-82-4	B152	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.02	0.008	0.008	0.004	--	--	--	--	0.02	0.01	0.01	0.005	0.007	0.003	0.003	0.001	0.02	0.007	0.008	0.003
7429-90-5	B153	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B153	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B153	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B153	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B153	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B153	INORG	Chromium	2.4	58.2	2.66	15.6	0.3	0.05	--	--	0.04	0.007	--	--	0.1	0.004	--	--	0.07	0.003	--	--	0.1	0.005	--	--
7440-48-4	B153	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B153	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B153	INORG	Lead	4.7	8.9	1.63	3.26	0.4	0.2	0.1	0.05	0.1	0.07	0.07	0.03	0.05	0.03	0.01	0.008	0.04	0.02	0.02	0.009	0.07	0.03	0.02	0.01
7439-93-2	B153	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B153	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B153	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B153	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B153	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B153	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B153	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B153	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B153	INORG	Zinc	75.4	297.6	66.1	171.4	0.9	0.4	0.3	0.1	0.2	0.07	0.2	0.06	0.4	0.1	0.2	0.04	0.2	0.06	0.1	0.03	0.5	0.1	0.2	0.06
319-86-8	B153	PEST	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	B153	PEST	Endosulfan	0.15	--	10	--	0.00003	--	0.00003	--	0.00006	--	0.00006	--	0.001	--	0.001	--	0.002	--	0.002	--	0.002	--	0.002	--
1024-57-3	B153	PEST	Heptachlor epoxide	0.01	1	0.00065	0.0065	1	0.1	1	0.1	2	0.2	2	0.2	0.03	0.0003	0.03	0.0003	0.07	0.0007	0.07	0.0007	0.07	0.0007	0.07	0.0007
108-95-2	B153	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.01	0.001	0.003	0.0003	0.0009	0.00009	0.0002	0.00002	0.004	0.0004	0.001	0.0001
67-64-1	B153	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B153	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B154	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B154	INORG	Barium	51.8	82.7	20.8	41.7	0.2	0.08	--	--	0.00006	0.00003	--	--	0.02	0.01	--	--	0.008	0.005	--	--	0.01	0.008	--	--
7440-41-7	B154	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.08	0.07	0.01	0.01	0.02	0.02	0.002	0.002	0.04	0.03	0.005	0.004
7440-42-8	B154	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B154	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B154	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B154	INORG	Cobalt	7.33	18.9	7.61	18.34	0.04	0.02	--	--	0.0008	0.0003	--	--	0.01	0.004	--	--	0.007	0.003	--	--	0.01	0.004	--	--
7440-50-8	B154	INORG	Copper	5.6	9.34	4.05	12.1	0.7	0.2	--	--	0.3	0.1	--	--	0.2	0.1	--	--	0.2	0.1	--	--	0.2	0.1	--	--
7439-92-1	B154	INORG	Lead	4.7	8.9	1.63	3.26	0.4	0.2	0.2	0.08	0.1	0.07	0.09	0.04	0.06	0.03	0.02	0.01	0.05	0.03	0.02	0.01	0.07	0.04	0.03	0.02
7439-93-2	B154	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B154	INORG	Manganese	51.5	145.7	179	376.6	0.3	0.1	--	--	0.007	0.003	--	--	0.2	0.08	--	--	0.1	0.05	--	--	0.2	0.07	--	--
7439-97-6	B154	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B154	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B154	INORG	Nickel	1.7	3.4	6.71	18.6	0.2	0.09	--	--	0.05	0.02	--	--	0.2	0.09	--	--	0.2	0.1	--	--	0.2	0.1	--	--
7782-49-2	B154	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B154	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B154	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B154	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B154	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B154	INORG	Zinc	75.4	297.6	66.1	171.4	0.7	0.3	0.5	0.2	0.2	0.07	0.2	0.06	0.3	0.08	0.2	0.06	0.2	0.05	0.2	0.04	0.4	0.1	0.3	0.08
86-57-7	B154	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B155	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B155	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B155	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B155	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B155	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B155	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B155	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B155	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B155	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B155	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	B155	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B155	INORG	Manganese	51.5	145.7	179	376.6	0.3	0.1	--	--	0.006	0.003	--	--	0.2	0.07	--	--	0.1	0.05	--	--	0.2	0.06	--	--
7439-97-6	B155	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B155	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B155	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B155	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	B155	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B155	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B155	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B155	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-65-0	B155	Nitroaromatics	1,3-Dinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
115-29-7	B155	PEST	Endosulfan	0.15	--	10	--	0.00005	--	0.00005	--	0.00009	--	0.00009	--	0.002	--	0.002	--	0.004	--	0.004	--	0.004	--	0.004	--
89-98-5	B155	SVOC	ortho-Chlorobenzaldehyd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B155	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	B155	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B156	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	B156	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B156	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B156	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	B156	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B156	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B156	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B156	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B156	INORG	Copper	5.6	9.34	4.05	12.1	0.4	0.1	--	--	0.3	0.09	--	--	0.1	0.07	--	--	0.1	0.08	--	--	0.2	0.1	--	--
7439-92-1	B156	INORG	Lead	4.7	8.9	1.63	3.26	1	0.7	0.5	0.3	0.2	0.1	0.2	0.08	0.2	0.08	0.07	0.03	0.1	0.06	0.06	0.03	0.2	0.1	0.09	0.04
7439-93-2	B156	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	B156	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B156	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	B156	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B156	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B156	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	B156	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B156	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B156	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B156	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B156	INORG	Zinc	75.4	297.6	66.1	171.4	0.7	0.3	0.2	0.09	0.2	0.07	0.1	0.05	0.3	0.08	0.1	0.03	0.2	0.05	0.1	0.03	0.4	0.1	0.2	0.05
65-85-0	B156	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	B156	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98-82-8	B156	VOC	Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	B156	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	B-E-R	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	B-E-R	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	B-E-R	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	B-E-R	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	B-E-R	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	B-E-R	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	B-E-R	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	B-E-R	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	B-E-R	INORG	Lead	4.7	8.9	1.63	3.26	0.09	0.05	--	--	0.07	0.03	--	--	0.01	0.007	--	--	0.02	0.009	--	--	0.02	0.01	--	--
7439-96-5	B-E-R	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	B-E-R	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	B-E-R	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	B-E-R	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	B-E-R	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	B-E-R	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	B-E-R	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	B-E-R	INORG	Zinc	75.4	297.6	66.1	171.4	0.2	0.06	--	--	0.1	0.05	--	--	0.09	0.02	--	--	0.09	0.02	--	--	0.1	0.03	--	--
7429-90-5	BGS	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	BGS	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	BGS	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	BGS	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	BGS	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.02	0.01	--	--	0.003	0.002	--	--	0.005	0.004	--	--
7440-42-8	BGS	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	BGS	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	BGS	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	BGS	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	BGS	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	BGS	INORG	Lead	4.7	8.9	1.63	3.26	0.2	0.08	--	--	0.09	0.04	--	--	0.02	0.01	--	--	0.02	0.01	--	--	0.03	0.02	--	--
7439-93-2	BGS	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	BGS	INORG	Manganese	51.5	145.7	179	376.6	0.3	0.1	--	--	0.007	0.003	--	--	0.2	0.09	--	--	0.2	0.06	--	--	0.2	0.08	--	--
7439-97-6	BGS	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	BGS	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	BGS	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	BGS	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	BGS	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	BGS	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	BGS	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	BP	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	BP	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	BP	INORG	Barium	51.8	82.7	20.8	41.7	3	2	0.3	0.1	0.001	0.0006	0.0001	0.00005	0.3	0.2	0.03	0.02	0.2	0.1	0.02	0.01	0.3	0.2	0.03	0.02
7440-41-7	BP	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	BP	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	BP	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	BP	INORG	Chromium	2.4	58.2	2.66	15.6	2	0.3	--	--	0.1	0.02	--	--	0.5	0.02	--	--	0.4	0.01	--	--	0.6	0.02	--	--
7440-48-4	BP	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	BP	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	BP	INORG	Lead	4.7	8.9	1.63	3.26	3	2	2	0.9	0.4	0.2	0.3	0.1	0.4	0.2	0.2	0.1	0.3	0.1	0.1	0.07	0.4	0.2	0.2	0.1
7439-93-2	BP	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	BP	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	BP	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	BP	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	BP	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	BP	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	BP	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	BP	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-24-6	BP	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	BP	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	BP	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	BP	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	BP	INORG	Zinc	75.4	297.6	66.1	171.4	0.7	0.3	0.2	0.08	0.2	0.07	0.1	0.05	0.3	0.09	0.1	0.03	0.2	0.05	0.1	0.03	0.4	0.1	0.2	0.04
118-96-7	BP	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	0.02	0.0008	0.008	0.0003	--	--	--	--	0.5	0.4	0.2	0.1	0.07	0.04	0.03	0.02	0.3	0.2	0.1	0.07
121-82-4	BP	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	0.04	0.02	0.01	0.005	--	--	--	--	0.05	0.02	0.01	0.006	0.02	0.007	0.005	0.002	0.03	0.02	0.01	0.005
117-81-7	BP	SVOC	bis (2-Ethylhexyl) phthalat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2698-41-1	BP	SVOC	CS (ortho-Chlorobenzylid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84-74-2	BP	SVOC	Dibutyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84-66-2	BP	SVOC	Diethylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89-98-5	BP	SVOC	ortho-Chlorobenzaldehyd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	BP	SVOC	Phenol	26.36	263.6	--	--	--	--	--	--	--	--	--	--	0.005	0.0005	0.001	0.0001	0.0004	0.00004	0.0001	0.00001	0.002	0.0002	0.0005	0.00005
71-43-2	BP	VOC	Benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-88-3	BP	VOC	Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	BVL	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	BVL	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	BVL	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	BVL	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	BVL	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	BVL	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	BVL	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	BVL	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	BVL	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	BVL	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	BVL	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	BVL	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	BVL	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	BVL	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	BVL	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	BVL	INORG	Zinc	75.4	297.6	66.1	171.4	0.4	0.2	0.4	0.2	0.2	0.06	0.2	0.06	0.2	0.06	0.2	0.06	0.1	0.04	0.1	0.04	0.3	0.07	0.3	0.07
7429-90-5	DA23	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	DA23	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	DA23	INORG	Barium	51.8	82.7	20.8	41.7	0.1	0.05	--	--	0.00004	0.00002	--	--	0.01	0.007	--	--	0.005	0.003	--	--	0.009	0.005	--	--
7440-41-7	DA23	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	DA23	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	DA23	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	DA23	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	DA23	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	DA23	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	DA23	INORG	Lead	4.7	8.9	1.63	3.26	0.6	0.3	--	--	0.2	0.08	--	--	0.07	0.04	--	--	0.06	0.03	--	--	0.1	0.05	--	--
7439-93-2	DA23	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	DA23	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	DA23	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	DA23	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	DA23	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	DA23	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	DA23	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	DA23	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	DA23	INORG	Zinc	75.4	297.6	66.1	171.4	0.5	0.2	0.3	0.1	0.2	0.06	0.2	0.06	0.2	0.06	0.2	0.05	0.1	0.04	0.1	0.03	0.3	0.08	0.3	0.06
99-35-4	DA23	Nitroaromatics	1,3,5-Trinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100-25-4	DA23	Nitroaromatics	1,4-Dinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-57-7	DA23	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
118-96-7	DA23	Nitroaromatics	2,4,6-Trinitrotoluene	0.2	0.3	7	175	3	0.1	0.8	0.03	--	--	--	--	90	60	20	20	10	7	3	2	40	30	10	7
35572-78-2	DA23	Nitroaromatics	2-Amino-4,6-dinitrotoluen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2691-41-0	DA23	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
479-45-8	DA23	Nitroaromatics	Tetryl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	DA23	PEST	Chlordane (total)	4.6	9.2	2.14	10.7	0.0001	0.00002	0.0002	0.00003	0.0002	0.00004	0.0003	0.00006	0.00002	0.00001	0.00003	0.00002	0.00005	0.00003	0.00008	0.00004	0.00005	0.00003	0.00008	0.00004
115-29-7	DA23	PEST	Endosulfan	0.15	--	10	--	0.0003	--	0.0002	--	0.0006	--	0.0004	--	0.01	--	0.008	--	0.02	--	0.02	--	0.02	--	0.02	--
1031-07-8	DA23	PEST	Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92-52-4	DA23	SVOC	1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90-12-0	DA23	SVOC	1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91-57-6	DA23	SVOC	2-Methyl naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83-32-9	DA23	SVOC	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120-12-7	DA23	SVOC	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56-55-3	DA23	SVOC	Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-32-8	DA23	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	DA23	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	DA23	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207-08-9	DA23	SVOC	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-74-8	DA23	SVOC	Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	DA23	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53-70-3	DA23	SVOC	Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
132-64-9	DA23	SVOC	Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	DA23	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-73-7	DA23	SVOC	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
193-39-5	DA23	SVOC	Indeno(1,2,3-c,d)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	DA23	SVOC	PAHs (High MW)	0.615	3.07	2	20	5	0.5	2	0.2	--	--	--	--	8	2	3	0.5	3	0.6	1	0.2	9	2	3	0.6
130498-29-2L	DA23	SVOC	PAHs (Low MW)	65.6	328	1653	16530	0.002	0.0002	0.0003	0.00003	--	--	--	--	0.03	0.006	0.004	0.0008	0.01	0.002	0.001	0.0003	0.04	0.007	0.004	0.0009
130498-29-2	DA23	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85-01-8	DA23	SVOC	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	DA23	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
107-06-2	DA23	VOC	1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67-64-1	DA23	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
75-09-2	DA23	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99-87-6	DA23	VOC	p-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	DebrisArea1	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	DebrisArea1	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	DebrisArea1	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	DebrisArea1	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	DebrisArea1	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	DebrisArea1	INORG	Chromium	2.4	58.2	2.66	15.6	1	0.2	--	--	0.09	0.02	--	--	0.3	0.01	--	--	0.2	0.009	--	--	0.4	0.01	--	--
7440-48-4	DebrisArea1	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	DebrisArea1	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	DebrisArea1	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	DebrisArea1	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	DebrisArea1	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	DebrisArea1	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	DebrisArea1	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	DebrisArea1	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	DebrisArea1	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	DebrisArea1	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2691-41-0	DebrisArea1	Nitroaromatics	HMX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
121-82-4	DebrisArea1	Nitroaromatics	RDX	1.19	2.73	3.65	8.14	200	90	9	4	--	--	--	--	200	100	10	5	80	30	4	2	200	80	8	4
67-64-1	DebrisArea1	VOC	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	DebrisArea1	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	DUMP	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	DUMP	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	DUMP	INORG	Barium	51.8	82.7	20.8	41.7	0.8	0.4	0.02	0.01	0.0003	0.0002	0.000008	0.000004	0.09	0.06	0.002	0.001	0.04	0.03	0.001	0.0007	0.07	0.05	0.002	0.001
7440-41-7	DUMP	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	DUMP	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	DUMP	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	DUMP	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	DUMP	INORG	Copper	5.6	9.34	4.05	12.1	0.05	0.02	--	--	0.2	0.07	--	--	0.02	0.01	--	--	0.08	0.05	--	--	0.06	0.04	--	--
7439-92-1	DUMP	INORG	Lead	4.7	8.9	1.63	3.26	3	2	2	0.8	0.4	0.2	0.3	0.1	0.4	0.2	0.2	0.09	0.3	0.1	0.1	0.07	0.4	0.2	0.2	0.1
7439-93-2	DUMP	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	DUMP	INORG	Manganese	51.5	145.7	179	376.6	0.5	0.2	0.2	0.08	0.01	0.006	0.004	0.002	0.4	0.1	0.1	0.05	0.3	0.09	0.08	0.03	0.4	0.1	0.1	0.04
7439-97-6	DUMP	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	DUMP	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	DUMP	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	DUMP	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	DUMP	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	DUMP	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	DUMP	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	DUMP	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	DUMP	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	DUMP	INORG	Zinc	75.4	297.6	66.1	171.4	0.7	0.3	0.3	0.1	0.2	0.07	0.1	0.06	0.3	0.09	0.2	0.04	0.2	0.05	0.1	0.03	0.4	0.1	0.2	0.06
50-32-8	DUMP	SVOC	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205-99-2	DUMP	SVOC	Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191-24-2	DUMP	SVOC	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218-01-9	DUMP	SVOC	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206-44-0	DUMP	SVOC	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	DUMP	SVOC	PAHs (High MW)	0.615	3.07	2	20	0.07	0.007	0.02	0.002	--	--	--	--	0.1	0.03	0.04	0.007	0.04	0.009	0.01	0.003	0.1	0.03	0.04	0.008
130498-29-2	DUMP	SVOC	PAHs (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129-00-0	DUMP	SVOC	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	PSO	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	PSO	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	PSO	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	PSO	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	PSO	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	PSO	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	PSO	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	PSO	INORG	Lead	4.7	8.9	1.63	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-93-2	PSO	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	PSO	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	PSO	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	PSO	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	PSO	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	PSO	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	PSO	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	PSO	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	PSO	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75-09-2	PSO	VOC	Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	TA	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	TA	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	TA	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	TA	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	TA	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	TA	INORG	Chromium	2.4	58.2	2.66	15.6	4	0.8	3	0.5	0.3	0.05	0.2	0.03	1	0.06	0.9	0.04	0.9	0.04	0.6	0.02	2	0.07	1	0.04
7440-48-4	TA	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	TA	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	TA	INORG	Lead	4.7	8.9	1.63	3.26	0.07	0.04	--	--	0.06	0.03	--	--	0.01	0.006	--	--	0.01	0.008	--	--	0.02	0.009	--	--
7439-93-2	TA	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	TA	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	TA	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	TA	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	TA	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	TA	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4A: Terrestrial Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

								American Robin				Screech Owl				Deer Mouse				Terrestrial Mink				Short-Tailed Shrew			
				Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-24-6	TA	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	TA	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	TA	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	TA	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	TA	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	TA	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	TRA1	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	TRA1	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	TRA1	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	TRA1	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	0.05	0.04	--	--	0.01	0.009	--	--	0.02	0.02	--	--
7440-42-8	TRA1	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	TRA1	INORG	Cadmium	0.77	7.7	1.47	6.35	0.2	0.04	--	--	0.01	0.002	--	--	0.2	0.02	--	--	0.08	0.008	--	--	0.2	0.02	--	--
7440-47-3	TRA1	INORG	Chromium	2.4	58.2	2.66	15.6	0.7	0.1	--	--	0.07	0.01	--	--	0.2	0.009	--	--	0.2	0.007	--	--	0.3	0.01	--	--
7440-48-4	TRA1	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	TRA1	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	TRA1	INORG	Lead	4.7	8.9	1.63	3.26	0.3	0.2	--	--	0.1	0.06	--	--	0.04	0.02	--	--	0.04	0.02	--	--	0.06	0.03	--	--
7439-93-2	TRA1	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	TRA1	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	TRA1	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	TRA1	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	TRA1	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	TRA1	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	TRA1	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	TRA1	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	TRA1	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	TRA1	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-57-7	TRA1	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	TRA2	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	TRA2	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	TRA2	INORG	Barium	51.8	82.7	20.8	41.7	0.02	0.01	--	--	0.000009	0.000004	--	--	0.003	0.002	--	--	0.001	0.0008	--	--	0.002	0.001	--	--
7440-41-7	TRA2	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	TRA2	INORG	Chromium	2.4	58.2	2.66	15.6	0.1	0.02	--	--	0.02	0.004	--	--	0.04	0.002	--	--	0.03	0.001	--	--	0.05	0.002	--	--
7440-48-4	TRA2	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	TRA2	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	TRA2	INORG	Lead	4.7	8.9	1.63	3.26	1	0.7	0.8	0.4	0.2	0.1	0.2	0.1	0.2	0.08	0.1	0.05	0.1	0.06	0.08	0.04	0.2	0.1	0.1	0.07
7439-93-2	TRA2	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	TRA2	INORG	Manganese	51.5	145.7	179	376.6	0.7	0.3	0.4	0.2	0.02	0.007	0.008	0.004	0.5	0.2	0.3	0.1	0.3	0.1	0.2	0.06	0.5	0.2	0.2	0.09
7439-97-6	TRA2	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	TRA2	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	TRA2	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	TRA2	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	TRA2	INORG	Silver	0.375	3.75	2.02	79.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	TRA2	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	TRA2	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	TRA2	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	TRA2	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65-85-0	TRA2	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7429-90-5	TRA3	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	TRA3	INORG	Arsenic	1.04	1.66	2.24	4.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-39-3	TRA3	INORG	Barium	51.8	82.7	20.8	41.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-41-7	TRA3	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-42-8	TRA3	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	TRA3	INORG	Cadmium	0.77	7.7	1.47	6.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	TRA3	INORG	Chromium	2.4	58.2	2.66	15.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-48-4	TRA3	INORG	Cobalt	7.33	18.9	7.61	18.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-50-8	TRA3	INORG	Copper	5.6	9.34	4.05	12.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	TRA3	INORG	Lead	4.7	8.9	1.63	3.26	1	0.6	0.3	0.1	0.2	0.1	0.1	0.05	0.1	0.07	0.03	0.02	0.1	0.06	0.03	0.02	0.2	0.09	0.05	0.02
7439-93-2	TRA3	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	TRA3	INORG	Manganese	51.5	145.7	179	376.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-97-6	TRA3	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	TRA3	INORG	Nickel	1.7	3.4	6.71	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14797-73-0	TRA3	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	TRA3	INORG	Selenium	0.143	0.215	0.29	0.579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-24-6	TRA3	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	TRA3	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	TRA3	INORG	Vanadium	4.16	8.31	0.344	0.688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-66-6	TRA3	INORG	Zinc	75.4	297.6	66.1	171.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86-57-7	TRA3	Nitroaromatics	1-Nitronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65-85-0	TRA3	SVOC	Benzoic acid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	No value.
Avg	Average.
BKG	Background.
BKG Conc	Background concentration.
HQ	Hazard quotient.
LOAEL	Lowest observed adverse effects level.
Max	Maximum.
mg/kg	Milligram per kilogram.
mg/kg ww	Milligrams per wet weight.
mg/kg-bw/day	Milligram per kilogram - body weight per day.
ND=1/2DL	Non detects are equal to 1/2 the detection level.
NOAEL	No observed adverse effects level.

PM	Prey mammal
TDI	Total daily intake.
TDI	Total daily intake
TI	Terrestrial invertebrates.
TP	Terrestrial plants.
TRV	Toxicity reference value.
UCL	Upper confidence level.

0.7	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.
70	HQ is between 11 and 100.
700	HQ > 100.

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Sediment					Surface Water							Uptake to Aquatic Plants								Uptake to Aquatic Inverte			
																		MAX			AVG						MAX
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	Average (ND=1/2DL) (mg/kg)	Median (ND=1/2DL) (mg/kg)	Detects	Freq	Maximum Detect (mg/L)	Average (ND=1/2DL) (mg/L)	Median (ND=1/2DL) (mg/L)	BCF SW	BCF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BCF or BSAF SD	From SW	From SD
7440-36-0	Bee Tree Creek	INORG	Antimony	2 / 5	0.40	1.38E+00	8.22E-01	4.90E-01	0 / 3	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	8.00E-03	8.00E-03	0	4.92E-03	4.92E-03	7.00E+00	1.00E+00	0	2.21E-01
7440-38-2	Bee Tree Creek	INORG	Arsenic	5 / 5	1.00	1.32E+00	1.25E+00	1.28E+00	0 / 3	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	7.43E-03	7.43E-03	0	7.02E-03	7.02E-03	7.30E+01	9.00E-01	0	1.90E-01
7440-39-3	Bee Tree Creek	INORG	Barium	5 / 5	1.00	9.33E+01	7.02E+01	8.02E+01	3 / 3	1.00	1.17E-02	1.12E-02	1.14E-02	2.60E+02	1.56E-01	4.56E-01	2.18E+00	2.64E+00	4.38E-01	1.64E+00	2.08E+00	2.00E+02	9.10E-02	3.74E-01	1.36E+00
7440-41-7	Bee Tree Creek	INORG	Beryllium	0 / 5	0		9.91E-02	1.14E-01	0 / 3	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	0	0	0	0	0	4.50E+01	9.00E-01	0	0
7440-43-9	Bee Tree Creek	INORG	Cadmium	0 / 5	0		6.87E-02	6.85E-02	0 / 3	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	0	0	0	0	0	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	0
7440-47-3	Bee Tree Creek	INORG	Chromium	5 / 5	1.00	4.22E+01	2.39E+01	2.00E+01	0 / 3	0		1.15E-03	1.15E-03	4.41E+03	4.10E-02	0	2.60E-01	2.60E-01	0	1.47E-01	1.47E-01	3.00E+03	3.06E-01	0	2.07E+00
7440-48-4	Bee Tree Creek	INORG	Cobalt	5 / 5	1.00	5.61E+00	4.48E+00	4.54E+00	0 / 3	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	6.31E-03	6.31E-03	0	5.04E-03	5.04E-03	8.22E+02	1.22E-01	0	1.10E-01
7440-50-8	Bee Tree Creek	INORG	Copper	5 / 5	1.00	9.31E+00	7.66E+00	8.02E+00	0 / 3	0		1.10E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	0	7.05E-01	7.05E-01	0	6.53E-01	6.53E-01	3.72E+03	5.15E-01	0	7.67E-01
7439-92-1	Bee Tree Creek	INORG	Lead	5 / 5	1.00	8.64E+00	5.47E+00	6.02E+00	0 / 3	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	1.33E-01	1.33E-01	0	1.03E-01	1.03E-01	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	7.33E-01
7439-96-5	Bee Tree Creek	INORG	Manganese	5 / 5	1.00	3.05E+02	2.65E+02	2.69E+02	3 / 3	1.00	3.12E-02	2.76E-02	2.92E-02	1.28E+03	7.90E-02	6.00E+00	3.61E+00	9.61E+00	5.30E+00	3.14E+00	8.44E+00	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	4.10E+00	3.52E+00
7440-02-0	Bee Tree Creek	INORG	Nickel	5 / 5	1.00	9.86E+00	7.55E+00	7.83E+00	0 / 3	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	9.00E-02	9.00E-02	0	7.37E-02	7.37E-02	2.80E+01	9.00E-01	0	1.42E+00
7782-49-2	Bee Tree Creek	INORG	Selenium	0 / 5	0		4.80E-01	4.81E-01	0 / 3	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	0	0	0	0	0	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	0
7440-22-4	Bee Tree Creek	INORG	Silver	1 / 5	0.20	2.69E-01	1.25E-01	8.90E-02	0 / 3	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	5.65E-04	5.65E-04	0	2.62E-04	2.62E-04	2.98E+02	9.00E-01	0	3.87E-02
7440-62-2	Bee Tree Creek	INORG	Vanadium	5 / 5	1.00	2.38E+01	2.28E+01	2.24E+01	0 / 3	0		7.50E-04	7.50E-04	1.28E+03	4.85E-03	0	1.73E-02	1.73E-02	0	1.66E-02	1.66E-02	8.22E+02	4.20E-02	0	1.60E-01
7440-66-6	Bee Tree Creek	INORG	Zinc	5 / 5	1.00	4.23E+01	3.15E+01	3.51E+01	0 / 3	0		4.05E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	0	5.77E+00	5.77E+00	0	4.90E+00	4.90E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	0	4.67E+01
121-82-4	Bee Tree Creek	Nitroaromatics	RDX	0 / 5	0		5.00E-02	5.00E-02	1 / 19	0.05	3.00E-04	1.14E-04	1.00E-04	3.69E-01	4.30E-01	1.66E-05	0	1.66E-05	6.30E-06	0	6.30E-06	3.69E-01	3.69E-01	1.77E-05	0
118-96-7	Bee Tree Creek	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 5	0		5.00E-02	5.00E-02	0 / 19	0		1.01E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	Bee Tree Creek	PEST	Aldrin	0 / 5	0		9.20E-05	8.50E-05	0 / 14	0		1.75E-06	1.90E-06	1.50E+04	6.78E-03	0	0	0	0	0	0	1.50E+04	0.24 BSAF	0	0
319-85-7	Bee Tree Creek	PEST	beta-BHC	0 / 5	0		4.80E-04	4.80E-04	0 / 14	0		2.31E-06	1.90E-06	8.91E+01	2.53E-01	0	0	0	0	0	0	8.91E+01	2.20 BSAF	0	0
58-89-9	Bee Tree Creek	PEST	Lindane	0 / 5	0		8.50E-05	8.50E-05	0 / 14	0		1.41E-06	9.75E-07	7.96E+01	2.74E-01	0	0	0	0	0	0	7.96E+01	0.75 BSAF	0	0
57-74-9	Bee Tree Creek	PEST	Chlordane (total)	2 / 5	0.40	2.10E-04	5.34E-04	2.60E-04	1 / 14	0.07	1.50E-05	2.69E-06	1.48E-06	2.46E+03	2.43E-02	5.54E-03	7.66E-07	5.54E-03	9.92E-04	1.95E-06	9.94E-04	2.46E+03	2.56 BSAF	5.91E-03	2.46E-04
72-54-8	Bee Tree Creek	PEST	4,4'-DDD	0 / 5	0		1.65E-04	1.65E-04	0 / 14	0		3.28E-06	1.98E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	6.09E+03	2.17 BSAF	0	0
50-29-3	Bee Tree Creek	PEST	4,4'-DDT	2 / 5	0.40	6.20E-04	3.01E-04	1.65E-04	0 / 14	0		3.89E-06	2.93E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	4.70E-05	4.70E-05	0	2.50E-05	2.50E-05	3.26E+04	0.94 BSAF	0	2.65E-04
115-29-7	Bee Tree Creek	PEST	Endosulfan	1 / 5	0.20	3.30E-04	1.98E-04	1.65E-04	0 / 14	0		1.93E-06	1.90E-06	5.77E+01	3.44E-01	0	1.70E-05	1.70E-05	0	1.02E-05	1.02E-05	5.77E+01	1.89 BSAF	0	2.86E-04
72-20-8	Bee Tree Creek	PEST	Endrin	0 / 5	0		3.42E-04	1.65E-04	0 / 14	0		1.93E-06	1.90E-06	2.76E+03	2.24E-02	0	0	0	0	0	0	2.76E+03	0.25 BSAF	0	0
76-44-8	Bee Tree Creek	PEST	Heptachlor	0 / 5	0		8.50E-05	8.50E-05	0 / 14	0		1.61E-06	1.48E-06	2.10E+04	1.15E-02	0	0	0	0	0	0	3.81E+03	1.10 BSAF	0	0
1024-57-3	Bee Tree Creek	PEST	Heptachlor epoxide	1 / 5	0.20	2.10E-04	2.83E-04	8.50E-05	0 / 14	0		2.08E-06	1.75E-06	2.10E+04	2.93E-02	0	9.23E-07	9.23E-07	0	1.24E-06	1.24E-06	3.81E+03	0.61 BSAF	0	5.84E-05
72-43-5	Bee Tree Creek	PEST	Methoxychlor	0 / 5	0		8.50E-04	8.50E-04	0 / 14	0		1.43E-05	1.40E-05	4.86E+02	7.64E-02	0	0	0	0	0	0	4.86E+02	1.20 BSAF	0	0
130498-29-2H	Bee Tree Creek	SVOC	PAHs (High MW)	1 / 5	0.20	3.30E+00	6.72E-01	1.65E-02	0 / 3	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	8.45E-02	8.45E-02	0	1.88E-02	1.88E-02	3.81E+03	0.27 BSAF	0	4.09E-01
130498-29-2L	Bee Tree Creek	SVOC	PAHs (Low MW)	1 / 10	0.10	1.14E+02	1.14E+01	8.50E-03	0 / 22	0		1.11E-04	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	3.43E-01	3.43E-01	0	1.21E-01	1.21E-01	3.81E+03	0.27 BSAF	0	1.41E+01
108-95-2	Bee Tree Creek	SVOC	Phenol	0 / 5	0		4.62E-02	1.65E-02	0 / 3	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	0	0	0	0	0	1.12E+00	2.72E-01	0	0
156-59-2	Bee Tree Creek	VOC	cis-1,2-Dichloroethene	0 / 5	0		5.00E-04	5.00E-04	0 / 19	0		5.00E-05	5.00E-05	2.38E+00	3.26E+00	0	0	0	0	0	0	2.38E+00	2.38E+00	0	0
7440-36-0	Gregg Branch	INORG	Antimony	6 / 28	0.21	1.87E+00	6.76E-01	4.93E-01	0 / 6	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	1.06E-02	1.06E-02	0	4.10E-03	4.10E-03	7.00E+00	1.00E+00	0	2.99E-01
7440-38-2	Gregg Branch	INORG	Arsenic	24 / 28	0.86	2.79E+00	1.40E+00	1.38E+00	0 / 6	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	1.57E-02	1.57E-02	0	7.89E-03	7.89E-03	7.30E+01	9.00E-01	0	4.02E-01
7440-39-3	Gregg Branch	INORG	Barium	28 / 28	1.00	1.04E+02	5.03E+01	4.80E+01	6 / 6	1.00	4.48E-02	2.43E-02	2.05E-02	2.60E+02	1.56E-01	1.75E+00	2.43E+00	4.18E+00	9.49E-01	1.18E+00	2.13E+00	2.00E+02	9.10E-02	1.43E+00	1.51E+00
7440-41-7	Gregg Branch	INORG	Beryllium	6 / 28	0.21	1.15E+00	2.00E-01	1.16E-01	0 / 6	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	9.72E-02	9.72E-02	0	2.69E-02	2.69E-02	4.50E+01	9.00E-01	0	1.66E-01
7440-43-9	Gregg Branch	INORG	Cadmium	3 / 28	0.11	1.75E+00	1.73E-01	6.85E-02	0 / 6	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	1.27E-01	1.27E-01	0	3.58E-02	3.58E-02	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	2.07E+00
7440-47-3	Gregg Branch	INORG	Chromium	28 / 28	1.00	4.01E+01	1.88E+01	1.54E+01	1 / 6	0.17	4.20E-03	1.66E-03	1.15E-03	4.41E+03	4.10E-02	2.78E+00	2.47E-01	3.02E+00	1.10E+00	1.16E-01	1.21E+00	3.00E+03	3.06E-01	2.02E+00	1.96E+00
7440-48-4	Gregg Branch	INORG	Cobalt	28 / 28	1.00	7.48E+00	4.68E+00	4.31E+00	0 / 6	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	8.42E-03	8.42E-03	0	5.26E-03	5.26E-03	8.22E+02	1.22E-01	0	1.46E-01
7440-50-8	Gregg Branch	INORG	Copper	28 / 28	1.00	1.68E+01	8.47E+00	7.32E+00	1 / 6	0.17	4.30E-03	1.63E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	3.49E-01	8.89E-01	1.24E+00	1.33E-01	6.79E-01	8.11E-01	3.72E+03	5.15E-01	2.56E+00	1.38E+00
7439-92-1	Gregg Branch	INORG	Lead	28 / 28	1.00	5.61E+00	2.99E+00	2.83E+00	0 / 6	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	1.05E-01	1.05E-01	0	7.35E-02	7.35E-02	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	5.17E-01
7439-96-5	Gregg Branch	INORG	Manganese	28 / 28	1.00	7.16E+02	2.56E+02	2.10E+02	6 / 6	1.00	2.77E-01	8.29E-02	4.93E-02	1.28E+03	7.90E-02	5.32E+01	8.48E+00	6.17E+01	1.59E+01	3.04E+00	1.90E+01	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	3.64E+01	6.31E+00
7440-02-0	Gregg Branch	INORG	Nickel	28 / 28	1.00	1.34E+01	6.74E+00	6.19E+00	0 / 6	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	1.13E-01	1.13E-01	0	6.77E-02	6.77E-02	2.80E+01	9.00E-01	0	1.93E+00
7782-49-2	Gregg Branch	INORG	Selenium	12 / 28	0.43	3.82E+00	1.13E+00	4.85E-01	0 / 6	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	3.35E-01	3.35E-01	0	8.78E-02	8.78E-02	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	3.96E-01
7440-22-4	Gregg Branch	INORG	Silver	4 / 28	0.14	1.81E+00	1.60E-01	8.80E-02	0 / 6	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	3.80E-03	3.80E-03	0	3.37E-04	3.37E-04	2.98E+02	9.00E-01	0	2.61E-01
7440-62-2	Gregg Branch	INORG	Vanadium	28 / 28	1.00	4.09E+01	2.29E+01	2.01E+01	2 / 6	0.33	5.30E-03	1.78E-03	7.50E-04	1.28E+03	4.85E-03	1.02E+00	2.98E-02	1.05E+00	3.43E-01	1.67E-02	3.59E-01	8.22E+02	4.20E-02	6.97E-01	2.75E-01
7440-66-6	Gregg Branch	INORG	Zinc	28 / 28	1.00	2.71E+01	1.60E+01	1.59E+01	0 / 6	0		4.05E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	0	4.51E+00	4.51E+00	0	3.37E+00	3.37E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	0	4.04E+01
121-82-4	Gregg Branch	Nitroaromatics	RDX	1 / 28	0.04	1.60E-01	5.39E-02	5.00E-02	24 / 82	0.29	3.40E-03	2.87E-04	1.00E-04	3.69E-01	4.30E-01	1.88E-04	1.03E-02	1.05E-02	1.59E-05	3.48E-03	3.49E-03	3.69E-01	3.69E-01	2.01E-04	9.44E-03
118-96-7	Gregg Branch	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 28	0		5.00E-02	5.00E-02	0 / 82	0		1.00E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	Gregg Branch	PEST	Aldrin	0 / 28	0		8.71E-05	8.50E-05	0 / 95	0		3.06E-06	1.45E-06	1.50E+04	6.78E-03	0	0	0	0	0	0	1.50E+04	0.24 BSAF	0	0
319-85-7	Gregg Branch	PEST	beta-BHC	0 / 28	0		4.80E-04	4.80E-04	7 / 95	0.07	1.70E-05	2.44E-06	1.80E-06	8.91E+01	2.53E-01	2.27E-04	0	2.27E-04	3.27E-05	0	3.27E-05	8.91E+01	2.20 BSAF	2.42E-04	0
58-89-9	Gregg Branch	PEST	Lindane	4 / 28	0.14	3.10E-04	1.09E-04	8.50E-05	0 / 95	0		1.90E-06	2.20E-06	7.96E+01	2.74E-01	0	1.27E-05	1.27E-05	0	4.49E-06	4.49E-06	7.96E+01	0.75 BSAF	0	1.06E-04
57-74-9	Gregg Branch	PEST	Chlordane (total)	4 / 28	0.14	1.01E-03	3.06E-04	8.50E-05	1 / 95	0.01	1.50E-05	2.21E-06	2.20E-06	2.46E+03	2.43E-02	5.54E-03	3.68E-06	5.54E-03	8.16E-04	1.11E-06	8.17E-04	2.46E+03	2.56 BSAF	5.91E-03	1.18E-03
72-54-8	Gregg Branch	PEST	4,4'-DDD	0 / 28	0		1.65E-04	1.65E-04	0 / 95	0		2.93E-06	1.90E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	6.09E+03	2.17 BSAF	0	0
50-29-3	Gregg Branch	PEST	4,4'-DDT	5 / 28	0.18	1.70E-03	4.59E-04	1.65E-04	0 / 95	0		3.63E-06	2.85E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	1.00E-04	1.00E-04	0	3.43E-05	3.43E-05	3.26E+04	0.94 BSAF	0	7.28E-04
115-29-7	Gregg Branch	PEST	Endosulfan	4 / 28	0.14	2.00E-03	3.64E-04	1.65E-04	0 / 95	0		1.91E-06	1.90E-06	5.77E+01	3.44E-01	0	1.03E-04	1.03E-04	0	1.88E-05	1.88E-05	5.77E+01	1.89 BSAF	0	1.73E-03
72-20-8	Gregg Branch	PEST	Endrin	0 / 28	0		1.66E-04	1.65E-04	0 / 95	0		1.91E-06	1.90E-06	2.76E+03	2.24E-02	0	0	0	0	0	0	2.76E+03	0.25 BSAF	0	0
76-44-8	Gregg Branch	PEST	Heptachlor	0 / 28	0		8.50E-05	8.50E-05	0 / 95	0		1.80E-06	1.90E-06	2.10E+04	1.15E-02	0	0	0	0	0	0	3.81E+03	1.10 BSAF	0	0
1024-57-3	Gregg Branch	PEST	Heptachlor epoxide	2 / 28	0.07	6.50E-04	1.83E-04	8.50E-05	0 / 95	0		3.72E-06	1.75E-06	2.10E+04	2.93E-02	0	2.86E-06	2.86E-06	0	8.05E-07	8.05E-07	3.81E+03	0.61 BSAF	0	1.81E-04
72-43-5	Gregg Branch	PEST	Methoxychlor	0 / 28	0		8.50E-04	8.50E-04	0 / 95	0		1.43E-05	1.40E-05	4.86E+02	7.64E-02	0	0	0	0	0	0	4.86E+02	1.20 BSAF	0	0
130498-29-2H	Gregg Branch	SVOC	PAHs (High MW)	0 / 28	0		1.65E-02	1.65E-02	0 / 6	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
130498-29-2L	Gregg Branch	SVOC	PAHs (Low MW)	0 / 56	0		8.50E-03	8.50E-03	0 / 87	0		8.10E-05	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
108-95-2	Gregg Branch	SVOC	Phenol	1 / 28	0.04	1.30E-01	2.06E-02	1.65E-02	0 / 6	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	1.08E-01	1.08E-01	0	1.71E-02	1.71E-02	1.12E+00	2.72E-01	0	5.65E-03
156-59-2	Gregg Branch	VOC	cis-1,2-Dichloroethene	1 / 28	0.04	6.00E-03	6.89E-04	5.00E-04	20 / 80	0.25	2.40E-02	6.29E-04	5.00E-05	2.38E+00	3.26E+00	8.58E-03	2.93E-03	1.15E-02	2.25E-04	3.37E-04	5.62E-04	2.38E+00	2.38E+00	9.16E-03	2.29E-03
7440-36-0	POND1	INORG	Antimony	0 / 1	0		5.00E-01	5.00E-01	0 / 1	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	0	0	0	0	0	7.00E+00	1.00E+00	0	0
7440-38-2	POND1	INORG	Arsenic	1 / 1	1.00	1.00E+00	1.00E+00	1.00E+00	0 / 1	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	5.63E-03	5.63E-03	0	5.63E-03	5.63E-03	7.30E+01	9.00E-01	0	1.44E-01
7440-39-3	POND1	INORG	Barium	1 / 1	1.00	8.10E+01	8.10E+01	8.10E+01	1 / 1	1.00	4.90E-03	4.90E-03	4.90E-03	2.60E+02	1.56E-01	1.91E-01	1.90E+00	2.09E+00	1.91E-01	1.90E+00	2.09E+00	2.00E+02	9.10E-02	1.57E-01	1.18E+00
7440-41-7	POND1	INORG	Beryllium	1 / 1	1.00	5.61E-01	5.61E-01	5.61E-01	0 / 1	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	5.74E-02	5.74E-02	0	5.74E-02	5.74E-02	4.50E+01	9.00E-01	0	8.08E-02
7440-43-9	POND1	INORG	Cadmium	1 / 1	1.00	6.69E-01	6.69E-01	6.69E-01	0 / 1	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	7.49E-02	7.49E-02	0	7.49E-02	7.49E-02	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	9.63E-01
7440-47-3	POND1	INORG	Chromium	1 / 1	1.00	1.31E+01	1.31E+01	1.31E+01	0 / 1	0		1.15E-03	1.15E-03	4.41E+03	4.10E-02	0	8.06E-02	8.06E-02	0	8.06E-02	8.06E-02	3.00E+03	3.06E-01	0	6.41E-01
7440-48-4	POND1	INORG	Cobalt	1 / 1	1.00	5.85E+00	5.85E+00	5.85E+00	0 / 1	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	6.58E-03	6.58E-03	0	6.58E-03	6.58E-03	8.22E+02	1.22E-01	0	1.14E-01
7440-50-8	POND1	INORG	Copper	1 / 1	1.00	1.08E+01	1.08E+01	1.08E+01	0 / 1	0		1.10E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	0	7.47E-01	7.47E-01	0	7.47E-01	7.47E-01	3.72E+03	5.15E-01	0	8.90E-01
7439-92-1	POND1	INORG	Lead	1 / 1	1.00	3.97E+00	3.97E+00	3.97E+00	0 / 1	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	8.62E-02	8.62E-02	0	8.62E-02	8.62E-02	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	3.91E-01
7439-96-5	POND1	INORG	Manganese	1 / 1	1.00	2.67E+02	2.67E+02	2.67E+02	1 / 1	1.00	1.10E-01	1.10E-01	1.10E-01	1.28E+03	7.90E-02	2.11E+01	3.16E+00	2.43E+01	2.11E+01	3.16E+00	2.43E+01	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	1.45E+01	3.22E+00
7440-02-0	POND1	INORG	Nickel	1 / 1	1.00	9.31E+00	9.31E+00	9.31E+00	0 / 1	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	8.62E-02	8.62E-02	0	8.62E-02	8.62E-02	2.80E+01	9.00E-01	0	1.34E+00

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Sediment					Surface Water							Uptake to Aquatic Plants								Uptake to Aquatic Inverte			
																		MAX			AVG						MAX
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	Average (ND=1/2DL) (mg/kg)	Median (ND=1/2DL) (mg/kg)	Detects	Freq	Maximum Detect (mg/L)	Average (ND=1/2DL) (mg/L)	Median (ND=1/2DL) (mg/L)	BCF SW	BCF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BCF or BSAF SD	From SW	From SD
7782-49-2	POND1	INORG	Selenium	0 / 1	0		4.90E-01	4.90E-01	0 / 1	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	0	0	0	0	0	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	0
7440-22-4	POND1	INORG	Silver	0 / 1	0		9.00E-02	9.00E-02	0 / 1	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	0	0	0	0	0	2.98E+02	9.00E-01	0	0
7440-62-2	POND1	INORG	Vanadium	1 / 1	1.00	2.18E+01	2.18E+01	2.18E+01	0 / 1	0		7.50E-04	7.50E-04	1.28E+03	4.85E-03	0	1.59E-02	1.59E-02	0	1.59E-02	1.59E-02	8.22E+02	4.20E-02	0	1.46E-01
7440-66-6	POND1	INORG	Zinc	1 / 1	1.00	3.40E+01	3.40E+01	3.40E+01	0 / 1	0		4.05E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	0	5.11E+00	5.11E+00	0	5.11E+00	5.11E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	0	4.35E+01
121-82-4	POND1	Nitroaromatics	RDX	1 / 1	1.00	1.20E-01	1.20E-01	1.20E-01	0 / 3	0		1.00E-04	1.00E-04	3.69E-01	4.30E-01	0	7.74E-03	7.74E-03	0	7.74E-03	7.74E-03	3.69E-01	3.69E-01	0	7.08E-03
118-96-7	POND1	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 1	0		5.00E-02	5.00E-02	0 / 3	0		1.00E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	POND1	PEST	Aldrin	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.80E-06	1.90E-06	1.50E+04	6.78E-03	0	0	0	0	0	0	1.50E+04	0.24 BSAF	0	0
319-85-7	POND1	PEST	beta-BHC	0 / 1	0		4.80E-04	4.80E-04	0 / 3	0		2.58E-06	1.90E-06	8.91E+01	2.53E-01	0	0	0	0	0	0	8.91E+01	2.20 BSAF	0	0
58-89-9	POND1	PEST	Lindane	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.38E-06	1.00E-06	7.96E+01	2.74E-01	0	0	0	0	0	0	7.96E+01	0.75 BSAF	0	0
57-74-9	POND1	PEST	Chlordane (total)	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.72E-06	1.50E-06	2.46E+03	2.43E-02	0	0	0	0	0	0	2.46E+03	2.56 BSAF	0	0
72-54-8	POND1	PEST	4,4'-DDD	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		3.15E-06	2.05E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	6.09E+03	2.17 BSAF	0	0
50-29-3	POND1	PEST	4,4'-DDT	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		3.80E-06	3.05E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	3.26E+04	0.94 BSAF	0	0
115-29-7	POND1	PEST	Endosulfan	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		1.95E-06	1.90E-06	5.77E+01	3.44E-01	0	0	0	0	0	0	5.77E+01	1.89 BSAF	0	0
72-20-8	POND1	PEST	Endrin	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		1.95E-06	1.90E-06	2.76E+03	2.24E-02	0	0	0	0	0	0	2.76E+03	0.25 BSAF	0	0
76-44-8	POND1	PEST	Heptachlor	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.60E-06	1.50E-06	2.10E+04	1.15E-02	0	0	0	0	0	0	3.81E+03	1.10 BSAF	0	0
1024-57-3	POND1	PEST	Heptachlor epoxide	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		2.40E-06	1.75E-06	2.10E+04	2.93E-02	0	0	0	0	0	0	3.81E+03	0.61 BSAF	0	0
72-43-5	POND1	PEST	Methoxychlor	0 / 1	0		8.50E-04	8.50E-04	0 / 3	0		1.45E-05	1.45E-05	4.86E+02	7.64E-02	0	0	0	0	0	0	4.86E+02	1.20 BSAF	0	0
130498-29-2H	POND1	SVOC	PAHs (High MW)	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
130498-29-2L	POND1	SVOC	PAHs (Low MW)	0 / 2	0		8.50E-03	8.50E-03	0 / 4	0		1.63E-04	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
108-95-2	POND1	SVOC	Phenol	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	0	0	0	0	0	1.12E+00	2.72E-01	0	0
156-59-2	POND1	VOC	cis-1,2-Dichloroethene	0 / 1	0		5.00E-04	5.00E-04	1 / 3	0.33	3.00E-04	1.33E-04	5.00E-05	2.38E+00	3.26E+00	1.07E-04	0	1.07E-04	4.77E-05	0	4.77E-05	2.38E+00	2.38E+00	1.14E-04	0
7440-36-0	POND2	INORG	Antimony	0 / 1	0		5.00E-01	5.00E-01	0 / 1	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	0	0	0	0	0	7.00E+00	1.00E+00	0	0
7440-38-2	POND2	INORG	Arsenic	1 / 1	1.00	1.93E+00	1.93E+00	1.93E+00	0 / 1	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	1.09E-02	1.09E-02	0	1.09E-02	1.09E-02	7.30E+01	9.00E-01	0	2.78E-01
7440-39-3	POND2	INORG	Barium	1 / 1	1.00	1.01E+02	1.01E+02	1.01E+02	1 / 1	1.00	1.40E-02	1.40E-02	1.40E-02	2.60E+02	1.56E-01	5.46E-01	2.36E+00	2.91E+00	5.46E-01	2.36E+00	2.91E+00	2.00E+02	9.10E-02	4.48E-01	1.47E+00
7440-41-7	POND2	INORG	Beryllium	1 / 1	1.00	5.40E-01	5.40E-01	5.40E-01	0 / 1	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	5.58E-02	5.58E-02	0	5.58E-02	5.58E-02	4.50E+01	9.00E-01	0	7.78E-02
7440-43-9	POND2	INORG	Cadmium	1 / 1	1.00	5.38E-01	5.38E-01	5.38E-01	0 / 1	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	6.65E-02	6.65E-02	0	6.65E-02	6.65E-02	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	8.09E-01
7440-47-3	POND2	INORG	Chromium	1 / 1	1.00	1.65E+01	1.65E+01	1.65E+01	0 / 1	0		1.15E-03	1.15E-03	4.41E+03	4.10E-02	0	1.01E-01	1.01E-01	0	1.01E-01	1.01E-01	3.00E+03	3.06E-01	0	8.08E-01
7440-48-4	POND2	INORG	Cobalt	1 / 1	1.00	5.51E+00	5.51E+00	5.51E+00	0 / 1	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	6.20E-03	6.20E-03	0	6.20E-03	6.20E-03	8.22E+02	1.22E-01	0	1.08E-01
7440-50-8	POND2	INORG	Copper	1 / 1	1.00	7.99E+00	7.99E+00	7.99E+00	0 / 1	0		1.10E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	0	6.63E-01	6.63E-01	0	6.63E-01	6.63E-01	3.72E+03	5.15E-01	0	6.58E-01
7439-92-1	POND2	INORG	Lead	1 / 1	1.00	5.72E+00	5.72E+00	5.72E+00	0 / 1	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	1.06E-01	1.06E-01	0	1.06E-01	1.06E-01	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	5.26E-01
7439-96-5	POND2	INORG	Manganese	1 / 1	1.00	2.18E+02	2.18E+02	2.18E+02	1 / 1	1.00	6.20E-02	6.20E-02	6.20E-02	1.28E+03	7.90E-02	1.19E+01	2.58E+00	1.45E+01	1.19E+01	2.58E+00	1.45E+01	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	8.15E+00	2.80E+00
7440-02-0	POND2	INORG	Nickel	1 / 1	1.00	8.82E+00	8.82E+00	8.82E+00	0 / 1	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	8.28E-02	8.28E-02	0	8.28E-02	8.28E-02	2.80E+01	9.00E-01	0	1.27E+00
7782-49-2	POND2	INORG	Selenium	0 / 1	0		4.90E-01	4.90E-01	0 / 1	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	0	0	0	0	0	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	0
7440-22-4	POND2	INORG	Silver	0 / 1	0		9.00E-02	9.00E-02	0 / 1	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	0	0	0	0	0	2.98E+02	9.00E-01	0	0
7440-62-2	POND2	INORG	Vanadium	1 / 1	1.00	2.71E+01	2.71E+01	2.71E+01	0 / 1	0		7.50E-04	7.50E-04	1.28E+03	4.85E-03	0	1.97E-02	1.97E-02	0	1.97E-02	1.97E-02	8.22E+02	4.20E-02	0	1.82E-01
7440-66-6	POND2	INORG	Zinc	1 / 1	1.00	2.80E+01	2.80E+01	2.80E+01	0 / 1	0		4.05E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	0	4.59E+00	4.59E+00	0	4.59E+00	4.59E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	0	4.08E+01
121-82-4	POND2	Nitroaromatics	RDX	0 / 1	0		5.00E-02	5.00E-02	1 / 3	0.33	2.20E-04	1.40E-04	1.00E-04	3.69E-01	4.30E-01	1.22E-05	0	1.22E-05	7.74E-06	0	7.74E-06	3.69E-01	3.69E-01	1.30E-05	0
118-96-7	POND2	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 1	0		5.00E-02	5.00E-02	0 / 3	0		1.00E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	POND2	PEST	Aldrin	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.77E-06	1.90E-06	1.50E+04	6.78E-03	0	0	0	0	0	0	1.50E+04	0.24 BSAF	0	0
319-85-7	POND2	PEST	beta-BHC	0 / 1	0		4.80E-04	4.80E-04	0 / 3	0		2.57E-06	1.90E-06	8.91E+01	2.53E-01	0	0	0	0	0	0	8.91E+01	2.20 BSAF	0	0
58-89-9	POND2	PEST	Lindane	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.37E-06	1.00E-06	7.96E+01	2.74E-01	0	0	0	0	0	0	7.96E+01	0.75 BSAF	0	0
57-74-9	POND2	PEST	Chlordane (total)	1 / 1	1.00	7.90E-04	7.90E-04	7.90E-04	0 / 3	0		1.70E-06	1.50E-06	2.46E+03	2.43E-02	0	2.88E-06	2.88E-06	0	2.88E-06	2.88E-06	2.46E+03	2.56 BSAF	0	9.26E-04
72-54-8	POND2	PEST	4,4'-DDD	1 / 1	1.00	4.40E-04	4.40E-04	4.40E-04	0 / 3	0		3.13E-06	2.00E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	3.63E-05	3.63E-05	0	3.33E-05	3.33E-05	6.09E+03	2.17 BSAF	0	4.36E-04
50-29-3	POND2	PEST	4,4'-DDT	0 / 1	0		3.25E-04	3.25E-04	0 / 3	0		3.78E-06	3.00E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	3.26E+04	0.94 BSAF	0	0
115-29-7	POND2	PEST	Endosulfan	1 / 1	1.00	7.40E-04	7.40E-04	7.40E-04	0 / 3	0		1.93E-06	1.90E-06	5.77E+01	3.44E-01	0	3.81E-05	3.81E-05	0	3.81E-05	3.81E-05	5.77E+01	1.89 BSAF	0	6.41E-04
72-20-8	POND2	PEST	Endrin	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		1.93E-06	1.90E-06	2.76E+03	2.24E-02	0	0	0	0	0	0	2.76E+03	0.25 BSAF	0	0
76-44-8	POND2	PEST	Heptachlor	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.60E-06	1.50E-06	2.10E+04	1.15E-02	0	0	0	0	0	0	3.81E+03	1.10 BSAF	0	0
1024-57-3	POND2	PEST	Heptachlor epoxide	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		2.38E-06	1.75E-06	2.10E+04	2.93E-02	0	0	0	0	0	0	3.81E+03	0.61 BSAF	0	0
72-43-5	POND2	PEST	Methoxychlor	0 / 1	0		8.50E-04	8.50E-04	0 / 3	0		1.43E-05	1.40E-05	4.86E+02	7.64E-02	0	0	0	0	0	0	4.86E+02	1.20 BSAF	0	0
130498-29-2H	POND2	SVOC	PAHs (High MW)	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
130498-29-2L	POND2	SVOC	PAHs (Low MW)	0 / 2	0		8.48E-03	8.48E-03	0 / 4	0		1.63E-04	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
108-95-2	POND2	SVOC	Phenol	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	0	0	0	0	0	1.12E+00	2.72E-01	0	0
156-59-2	POND2	VOC	cis-1,2-Dichloroethene	0 / 1	0		4.50E-04	4.50E-04	1 / 3	0.33	7.00E-04	2.67E-04	5.00E-05	2.38E+00	3.26E+00	2.50E-04	0	2.50E-04	9.54E-05	0	9.54E-05	2.38E+00	2.38E+00	2.67E-04	0
7440-36-0	POND3	INORG	Antimony	0 / 1	0		5.00E-01	5.00E-01	0 / 1	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	0	0	0	0	0	7.00E+00	1.00E+00	0	0
7440-38-2	POND3	INORG	Arsenic	1 / 1	1.00	1.08E+00	1.08E+00	1.08E+00	0 / 1	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	6.08E-03	6.08E-03	0	6.08E-03	6.08E-03	7.30E+01	9.00E-01	0	1.56E-01
7440-39-3	POND3	INORG	Barium	1 / 1	1.00	5.27E+01	5.27E+01	5.27E+01	1 / 1	1.00	1.84E-02	1.84E-02	1.84E-02	2.60E+02	1.56E-01	7.18E-01	1.23E+00	1.95E+00	7.18E-01	1.23E+00	1.95E+00	2.00E+02	9.10E-02	5.89E-01	7.67E-01
7440-41-7	POND3	INORG	Beryllium	1 / 1	1.00	2.89E-01	2.89E-01	2.89E-01	0 / 1	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	3.53E-02	3.53E-02	0	3.53E-02	3.53E-02	4.50E+01	9.00E-01	0	4.16E-02
7440-43-9	POND3	INORG	Cadmium	1 / 1	1.00	3.88E-01	3.88E-01	3.88E-01	0 / 1	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	5.56E-02	5.56E-02	0	5.56E-02	5.56E-02	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	6.24E-01
7440-47-3	POND3	INORG	Chromium	1 / 1	1.00	1.16E+01	1.16E+01	1.16E+01	0 / 1	0		1.15E-03	1.15E-03	4.41E+03	4.10E-02	0	7.13E-02	7.13E-02	0	7.13E-02	7.13E-02	3.00E+03	3.06E-01	0	5.68E-01
7440-48-4	POND3	INORG	Cobalt	1 / 1	1.00	3.17E+00	3.17E+00	3.17E+00	0 / 1	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	3.57E-03	3.57E-03	0	3.57E-03	3.57E-03	8.22E+02	1.22E-01	0	6.19E-02
7440-50-8	POND3	INORG	Copper	1 / 1	1.00	4.45E+00	4.45E+00	4.45E+00	0 / 1	0		1.10E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	0	5.27E-01	5.27E-01	0	5.27E-01	5.27E-01	3.72E+03	5.15E-01	0	3.67E-01
7439-92-1	POND3	INORG	Lead	1 / 1	1.00	1.67E+00	1.67E+00	1.67E+00	0 / 1	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	5.30E-02	5.30E-02	0	5.30E-02	5.30E-02	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	1.95E-01
7439-96-5	POND3	INORG	Manganese	1 / 1	1.00	1.59E+02	1.59E+02	1.59E+02	1 / 1	1.00	1.74E-01	1.74E-01	1.74E-01	1.28E+03	7.90E-02	3.34E+01	1.88E+00	3.53E+01	3.34E+01	1.88E+00	3.53E+01	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	2.29E+01	2.26E+00
7440-02-0	POND3	INORG	Nickel	1 / 1	1.00	6.58E+00	6.58E+00	6.58E+00	0 / 1	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	6.65E-02	6.65E-02	0	6.65E-02	6.65E-02	2.80E+01	9.00E-01	0	9.48E-01
7782-49-2	POND3	INORG	Selenium	0 / 1	0		4.90E-01	4.90E-01	0 / 1	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	0	0	0	0	0	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	0
7440-22-4	POND3	INORG	Silver	0 / 1	0		9.00E-02	9.00E-02	0 / 1	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	0	0	0	0	0	2.98E+02	9.00E-01	0	0
7440-62-2	POND3	INORG	Vanadium	1 / 1	1.00	1.62E+01	1.62E+01	1.62E+01	0 / 1	0		7.50E-04	7.50E-04	1.28E+03	4.85E-03	0	1.18E-02	1.18E-02	0	1.18E-02	1.18E-02	8.22E+02	4.20E-02	0	1.09E-01
7440-66-6	POND3	INORG	Zinc	1 / 1	1.00	1.97E+01	1.97E+01	1.97E+01	0 / 1	0		4.05E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	0	3.78E+00	3.78E+00	0	3.78E+00	3.78E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	0	3.64E+01
121-82-4	POND3	Nitroaromatics	RDX	0 / 1	0		5.00E-02	5.00E-02	0 / 3	0		1.50E-04	1.00E-04	3.69E-01	4.30E-01	0	0	0	0	0	0	3.69E-01	3.69E-01	0	0
118-96-7	POND3	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 1	0		5.00E-02	5.00E-02	0 / 3	0		1.00E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	POND3	PEST	Aldrin	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.78E-06	1.90E-06	1.50E+04	6.78E-03	0	0	0	0	0	0	1.50E+04	0.24 BSAF	0	0
319-85-7	POND3	PEST	beta-BHC	0 / 1	0		4.80E-04	4.80E-04	0 / 3	0		2.57E-06	1.90E-06	8.91E+01	2.53E-01	0	0	0	0	0	0	8.91E+01	2.20 BSAF	0	0
58-89-9	POND3	PEST	Lindane	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.38E-06	1.00E-06	7.96E+01	2.74E-01	0	0	0	0	0	0	7.96E+01	0.75 BSAF	0	0
57-74-9	POND3	PEST	Chlordane (total)	1 / 1	1.00	3.90E-04	3.90E-04	3.90E-04	0 / 3	0		1.72E-06	1.50E-06	2.46E+03	2.43E-02	0	1.42E-06	1.42E-06	0	1.42E-06	1.42E-06	2.46E+03	2.56 BSAF	0	4.57E-04
72-54-8	POND3	PEST	4,4'-DDD	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		3.13E-06	2.00E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	6.09E+03	2.17 BSAF	0	0

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Sediment					Surface Water							Uptake to Aquatic Plants								Uptake to Aquatic Inverte			
																		MAX			AVG						MAX
CASRN	Area	Group	Chemical	Detects	Freq	Maximum Detect (mg/kg)	Average (ND=1/2DL) (mg/kg)	Median (ND=1/2DL) (mg/kg)	Detects	Freq	Maximum Detect (mg/L)	Average (ND=1/2DL) (mg/L)	Median (ND=1/2DL) (mg/L)	BCF SW	BCF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BCF or BSAF SD	From SW	From SD
50-29-3	POND3	PEST	4,4'-DDT	0 / 1	0		9.50E-04	9.50E-04	0 / 3	0		3.78E-06	3.00E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	3.26E+04	0.94 BSAF	0	0
115-29-7	POND3	PEST	Endosulfan	1 / 1	1.00	5.30E-04	5.30E-04	5.30E-04	0 / 3	0		1.93E-06	1.90E-06	5.77E+01	3.44E-01	0	2.73E-05	2.73E-05	0	2.73E-05	2.73E-05	5.77E+01	1.89 BSAF	0	4.59E-04
72-20-8	POND3	PEST	Endrin	0 / 1	0		1.65E-04	1.65E-04	0 / 3	0		1.93E-06	1.90E-06	2.76E+03	2.24E-02	0	0	0	0	0	0	2.76E+03	0.25 BSAF	0	0
76-44-8	POND3	PEST	Heptachlor	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		1.60E-06	1.50E-06	2.10E+04	1.15E-02	0	0	0	0	0	0	3.81E+03	1.10 BSAF	0	0
1024-57-3	POND3	PEST	Heptachlor epoxide	0 / 1	0		8.50E-05	8.50E-05	0 / 3	0		2.38E-06	1.75E-06	2.10E+04	2.93E-02	0	0	0	0	0	0	3.81E+03	0.61 BSAF	0	0
72-43-5	POND3	PEST	Methoxychlor	0 / 1	0		8.50E-04	8.50E-04	0 / 3	0		1.45E-05	1.45E-05	4.86E+02	7.64E-02	0	0	0	0	0	0	4.86E+02	1.20 BSAF	0	0
130498-29-2H	POND3	SVOC	PAHs (High MW)	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
130498-29-2L	POND3	SVOC	PAHs (Low MW)	0 / 2	0		8.48E-03	8.48E-03	0 / 4	0		1.63E-04	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	0	0	0	0	0	3.81E+03	0.27 BSAF	0	0
108-95-2	POND3	SVOC	Phenol	0 / 1	0		1.65E-02	1.65E-02	0 / 1	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	0	0	0	0	0	1.12E+00	2.72E-01	0	0
156-59-2	POND3	VOC	cis-1,2-Dichloroethene	0 / 1	0		4.50E-04	4.50E-04	0 / 3	0		5.00E-05	5.00E-05	2.38E+00	3.26E+00	0	0	0	0	0	0	2.38E+00	2.38E+00	0	0
7440-36-0	Unnamed Branch	INORG	Antimony	1 / 18	0.06	1.07E+00	5.25E-01	4.95E-01	0 / 7	0		4.85E-03	4.85E-03	1.48E+03	ln(Cp) = 0.938 * ln(Cs) - 3.233	0	6.30E-03	6.30E-03	0	3.23E-03	3.23E-03	7.00E+00	1.00E+00	0	1.71E-01
7440-38-2	Unnamed Branch	INORG	Arsenic	16 / 18	0.89	2.12E+00	1.52E+00	1.58E+00	0 / 7	0		5.00E-03	5.00E-03	2.93E+02	3.75E-02	0	1.19E-02	1.19E-02	0	8.53E-03	8.53E-03	7.30E+01	9.00E-01	0	3.05E-01
7440-39-3	Unnamed Branch	INORG	Barium	18 / 18	1.00	7.79E+01	5.03E+01	5.03E+01	7 / 7	1.00	3.66E-02	2.32E-02	1.91E-02	2.60E+02	1.56E-01	1.43E+00	1.82E+00	3.25E+00	9.05E-01	1.18E+00	2.08E+00	2.00E+02	9.10E-02	1.17E+00	1.13E+00
7440-41-7	Unnamed Branch	INORG	Beryllium	2 / 18	0.11	1.15E+00	2.32E-01	1.29E-01	0 / 7	0		4.50E-04	4.50E-04	1.41E+02	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	0	9.72E-02	9.72E-02	0	3.00E-02	3.00E-02	4.50E+01	9.00E-01	0	1.66E-01
7440-43-9	Unnamed Branch	INORG	Cadmium	0 / 18	0		6.91E-02	6.95E-02	0 / 7	0		4.50E-04	4.50E-04	7.82E+02	ln(Cp) = 0.546 * ln(Cs) - 0.475	0	0	0	0	0	0	3.46E+03	ln(Ci) = 0.795 * ln(Cs) + 2.114	0	0
7440-47-3	Unnamed Branch	INORG	Chromium	18 / 18	1.00	4.41E+01	1.75E+01	1.40E+01	1 / 7	0.14	2.30E-03	1.31E-03	1.15E-03	4.41E+03	4.10E-02	1.52E+00	2.71E-01	1.79E+00	8.69E-01	1.07E-01	9.76E-01	3.00E+03	3.06E-01	1.10E+00	2.16E+00
7440-48-4	Unnamed Branch	INORG	Cobalt	18 / 18	1.00	7.80E+00	4.83E+00	4.98E+00	0 / 7	0		1.05E-03	1.05E-03	1.28E+03	7.50E-03	0	8.78E-03	8.78E-03	0	5.44E-03	5.44E-03	8.22E+02	1.22E-01	0	1.52E-01
7440-50-8	Unnamed Branch	INORG	Copper	18 / 18	1.00	1.35E+01	8.70E+00	8.64E+00	0 / 7	0		1.10E-03	1.10E-03	5.41E+02	ln(Cp) = 0.394 * ln(Cs) + 0.668	0	8.16E-01	8.16E-01	0	6.86E-01	6.86E-01	3.72E+03	5.15E-01	0	1.11E+00
7439-92-1	Unnamed Branch	INORG	Lead	18 / 18	1.00	1.00E+01	5.18E+00	4.80E+00	0 / 7	0		3.45E-03	3.45E-03	1.71E+03	ln(Cp) = 0.561 * ln(Cs) - 1.328	0	1.45E-01	1.45E-01	0	1.00E-01	1.00E-01	5.06E+03	ln(Ci) = 0.807 * ln(Cs) - 0.218	0	8.25E-01
7439-96-5	Unnamed Branch	INORG	Manganese	18 / 18	1.00	2.20E+03	4.38E+02	2.91E+02	7 / 7	1.00	1.10E+00	3.66E-01	1.87E-01	1.28E+03	7.90E-02	2.11E+02	2.61E+01	2.37E+02	7.04E+01	5.20E+00	7.56E+01	8.22E+02	ln(Ci) = 0.682 * ln(Cs) - 0.809	1.45E+02	1.36E+01
7440-02-0	Unnamed Branch	INORG	Nickel	18 / 18	1.00	1.02E+01	5.84E+00	5.52E+00	0 / 7	0		2.80E-03	2.80E-03	6.10E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	0	9.23E-02	9.23E-02	0	6.08E-02	6.08E-02	2.80E+01	9.00E-01	0	1.47E+00
7782-49-2	Unnamed Branch	INORG	Selenium	4 / 18	0.22	1.72E+00	6.70E-01	4.85E-01	0 / 7	0		4.70E-03	4.70E-03	1.85E+03	ln(Cp) = 1.104 * ln(Cs) - 0.677	0	1.39E-01	1.39E-01	0	4.95E-02	4.95E-02	1.26E+03	ln(Ci) = 0.733 * ln(Cs) - 0.075	0	2.21E-01
7440-22-4	Unnamed Branch	INORG	Silver	3 / 18	0.17	2.02E-01	1.06E-01	8.90E-02	0 / 7	0		8.00E-04	8.00E-04	1.07E+04	1.40E-02	0	4.24E-04	4.24E-04	0	2.23E-04	2.23E-04	2.98E+02	9.00E-01	0	2.91E-02
7440-62-2	Unnamed Branch	INORG	Vanadium	18 / 18	1.00	2.56E+01	1.64E+01	1.57E+01	2 / 7	0.29	2.60E-03	1.19E-03	7.50E-04	1.28E+03	4.85E-03	5.00E-01	1.86E-02	5.18E-01	2.29E-01	1.19E-02	2.41E-01	8.22E+02	4.20E-02	3.42E-01	1.72E-01
7440-66-6	Unnamed Branch	INORG	Zinc	18 / 18	1.00	5.57E+01	3.27E+01	3.26E+01	1 / 7	0.14	1.79E-02	6.03E-03	4.05E-03	2.18E+03	ln(Cp) = 0.554 * ln(Cs) + 1.575	5.84E+00	6.72E+00	1.26E+01	1.97E+00	5.00E+00	6.97E+00	4.58E+03	ln(Ci) = 0.328 * ln(Cs) + 4.449	1.31E+01	5.12E+01
121-82-4	Unnamed Branch	Nitroaromatics	RDX	0 / 18	0		5.03E-02	5.00E-02	52 / 56	0.93	1.90E-02	5.74E-03	5.45E-03	3.69E-01	4.30E-01	1.05E-03	0	1.05E-03	3.17E-04	0	3.17E-04	3.69E-01	3.69E-01	1.12E-03	0
118-96-7	Unnamed Branch	Nitroaromatics	2,4,6-Trinitrotoluene	0 / 18	0		5.00E-02	5.00E-02	0 / 56	0		1.01E-04	1.00E-04	1.46E+00	4.23E+00	0	0	0	0	0	0	1.46E+00	1.46E+00	0	0
309-00-2	Unnamed Branch	PEST	Aldrin	9 / 18	0.50	9.20E-03	2.12E-03	2.73E-04	9 / 57	0.16	3.90E-05	4.49E-06	1.45E-06	1.50E+04	6.78E-03	8.80E-02	9.35E-06	8.80E-02	1.01E-02	2.16E-06	1.01E-02	1.50E+04	0.24 BSAF	9.39E-02	9.95E-04
319-85-7	Unnamed Branch	PEST	beta-BHC	7 / 18	0.39	4.80E-03	1.33E-03	1.15E-03	21 / 57	0.37	1.90E-05	4.72E-06	1.95E-06	8.91E+01	2.53E-01	2.54E-04	1.82E-04	4.36E-04	6.31E-05	5.05E-05	1.14E-04	8.91E+01	2.20 BSAF	2.71E-04	4.83E-03
58-89-9	Unnamed Branch	PEST	Lindane	1 / 18	0.06	6.00E-04	1.51E-04	8.50E-05	4 / 57	0.07	8.80E-06	2.07E-06	2.20E-06	7.96E+01	2.74E-01	1.05E-04	2.47E-05	1.30E-04	2.47E-05	6.22E-06	3.09E-05	7.96E+01	0.75 BSAF	1.12E-04	2.06E-04
57-74-9	Unnamed Branch	PEST	Chlordane (total)	4 / 18	0.22	2.03E-03	8.23E-04	5.85E-04	0 / 57	0		2.84E-06	2.25E-06	2.46E+03	2.43E-02	0	7.40E-06	7.40E-06	0	3.00E-06	3.00E-06	2.46E+03	2.56 BSAF	0	2.38E-03
72-54-8	Unnamed Branch	PEST	4,4'-DDD	0 / 18	0		2.57E-04	1.65E-04	0 / 57	0		3.00E-06	1.95E-06	6.09E+03	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	0	0	0	0	0	6.09E+03	2.17 BSAF	0	0
50-29-3	Unnamed Branch	PEST	4,4'-DDT	11 / 18	0.61	3.10E-03	1.12E-03	8.30E-04	0 / 57	0		3.68E-06	2.90E-06	3.26E+04	ln(Cp)= 0.7524 * ln(Cs) - 2.5119	0	1.58E-04	1.58E-04	0	6.70E-05	6.70E-05	3.26E+04	0.94 BSAF	0	1.33E-03
115-29-7	Unnamed Branch	PEST	Endosulfan	5 / 18	0.28	6.60E-03	1.29E-03	4.95E-04	1 / 57	0.02	7.20E-06	2.02E-06	1.90E-06	5.77E+01	3.44E-01	6.24E-05	3.40E-04	4.03E-04	1.75E-05	6.64E-05	8.39E-05	5.77E+01	1.89 BSAF	6.65E-05	5.72E-03
72-20-8	Unnamed Branch	PEST	Endrin	0 / 18	0		2.57E-04	1.65E-04	1 / 57	0.02	2.10E-05	2.26E-06	1.90E-06	2.76E+03	2.24E-02	8.68E-03	0	8.68E-03	9.36E-04	0	9.36E-04	2.76E+03	0.25 BSAF	9.26E-03	0
76-44-8	Unnamed Branch	PEST	Heptachlor	0 / 18	0		1.32E-04	8.50E-05	10 / 57	0.18	1.20E-05	2.72E-06	1.90E-06	2.10E+04	1.15E-02	3.78E-02	0	3.78E-02	8.57E-03	0	8.57E-03	3.81E+03	1.10 BSAF	7.31E-03	0
1024-57-3	Unnamed Branch	PEST	Heptachlor epoxide	9 / 18	0.50	4.70E-03	1.78E-03	6.05E-04	0 / 57	0		1.98E-06	1.75E-06	2.10E+04	2.93E-02	0	2.07E-05	2.07E-05	0	7.83E-06	7.83E-06	3.81E+03	0.61 BSAF	0	1.31E-03
72-43-5	Unnamed Branch	PEST	Methoxychlor	3 / 18	0.17	1.10E-02	2.14E-03	8.50E-04	0 / 57	0		1.44E-05	1.45E-05	4.86E+02	7.64E-02	0	1.26E-04	1.26E-04	0	2.45E-05	2.45E-05	4.86E+02	1.20 BSAF	0	6.03E-03
130498-29-2H	Unnamed Branch	SVOC	PAHs (High MW)	2 / 18	0.11	5.62E-01	5.83E-02	1.65E-02	0 / 7	0		5.00E-04	5.00E-04	5.26E+03	ln(Cp)= 0.9469 * ln(Cs) - 1.7026	0	1.58E-02	1.58E-02	0	1.85E-03	1.85E-03	3.81E+03	0.27 BSAF	0	6.98E-02
130498-29-2L	Unnamed Branch	SVOC	PAHs (Low MW)	2 / 36	0.06	1.87E-01	1.65E-02	8.75E-03	0 / 65	0		9.85E-05	5.00E-05	5.26E+03	ln(Cp)= 0.4544 * ln(Cs) - 1.3205	0	1.86E-02	1.86E-02	0	6.21E-03	6.21E-03	3.81E+03	0.27 BSAF	0	2.32E-02
108-95-2	Unnamed Branch	SVOC	Phenol	0 / 18	0		1.65E-02	1.65E-02	0 / 7	0		5.00E-04	5.00E-04	1.12E+00	5.55E+00	0	0	0	0	0	0	1.12E+00	2.72E-01	0	0
156-59-2	Unnamed Branch	VOC	cis-1,2-Dichloroethene	5 / 18	0.28	1.10E-02	1.71E-03	5.00E-04	43 / 56	0.77	2.30E-02	2.41E-03	5.00E-04	2.38E+00	3.26E+00	8.23E-03	5.38E-03	1.36E-02	8.61E-04	8.36E-04	1.70E-03	2.38E+00	2.38E+00	8.77E-03	4.20E-03

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				brates				Uptake to Fish									Green Heron TDI		Little Brown Bat TDI		Mallard Duck TDI		Mink TDI					
					AVG					MAX			AVG				(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)	
CASRN	Area	Group	Chemical	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BSAF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)		Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	NOAEL	LOAEL	NOAEL	LOAEL
7440-36-0	Bee Tree Creek	INORG	Antimony	2.21E-01	0	1.32E-01	1.32E-01	4.00E+01	0	0	0	0	0	0	0		6.6E-3	4.2E-3	4.59E-02	2.81E-02	1.7E-2	1.0E-2	1.5E-2	9.7E-3	0.059	0.59	--	--
7440-38-2	Bee Tree Creek	INORG	Arsenic	1.90E-01	0	1.80E-01	1.80E-01	1.14E+02	0	0	0	0	0	0	0		6.1E-3	6.0E-3	4.04E-02	3.90E-02	1.5E-2	1.4E-2	1.5E-2	1.4E-2	1.04	1.66	2.24	4.51
7440-39-3	Bee Tree Creek	INORG	Barium	1.73E+00	3.59E-01	1.02E+00	1.38E+00	1.13E+02	0	3.31E-01	0	3.31E-01	3.17E-01	0	3.17E-01		3.5E-1	2.8E-1	9.10E-01	6.98E-01	4.1E-1	3.2E-1	1.1E+0	8.4E-1	51.8	82.7	20.8	41.7
7440-41-7	Bee Tree Creek	INORG	Beryllium	0	0	0	0	6.20E+01	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.532	0.672	--	--
7440-43-9	Bee Tree Creek	INORG	Cadmium	0	0	0	0	9.07E+02	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.77	7.7	1.47	6.35
7440-47-3	Bee Tree Creek	INORG	Chromium	2.07E+00	0	1.17E+00	1.17E+00	1.90E+01	0	0	0	0	0	0	0		1.5E-1	8.6E-2	6.24E-01	3.54E-01	2.3E-1	1.3E-1	4.7E-1	2.7E-1	2.4	58.2	2.66	15.6
7440-48-4	Bee Tree Creek	INORG	Cobalt	1.10E-01	0	8.75E-02	8.75E-02	1.13E+02	0	0	0	0	0	0	0		1.8E-2	1.5E-2	5.55E-02	4.45E-02	1.9E-2	1.5E-2	6.3E-2	5.0E-2	7.33	18.9	7.61	18.34
7440-50-8	Bee Tree Creek	INORG	Copper	7.67E-01	0	6.31E-01	6.31E-01	7.10E+02	0	0	0	0	0	0	0		3.7E-2	3.0E-2	1.89E-01	1.56E-01	9.6E-2	8.2E-2	1.0E-1	8.6E-2	5.6	9.34	4.05	12.1
7439-92-1	Bee Tree Creek	INORG	Lead	7.33E-01	0	5.07E-01	5.07E-01	9.00E-02	0	0	0	0	0	0	0		3.4E-2	2.2E-2	1.79E-01	1.21E-01	6.9E-2	4.7E-2	9.7E-2	6.2E-2	4.7	8.9	1.63	3.26
7439-96-5	Bee Tree Creek	INORG	Manganese	7.63E+00	3.63E+00	3.20E+00	6.83E+00	1.13E+02	0	8.81E-01	0	8.81E-01	7.80E-01	0	7.80E-01		1.1E+0	1.0E+0	3.30E+00	2.90E+00	1.5E+0	1.3E+0	3.6E+0	3.1E+0	51.5	145.7	179	376.6
7440-02-0	Bee Tree Creek	INORG	Nickel	1.42E+00	0	1.09E+00	1.09E+00	7.80E+01	0	0	0	0	0	0	0		4.6E-2	3.5E-2	3.02E-01	2.31E-01	1.1E-1	8.6E-2	1.1E-1	8.5E-2	1.7	3.4	6.71	18.6
7782-49-2	Bee Tree Creek	INORG	Selenium	0	0	0	0	1.29E+02	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.143	0.215	0.29	0.579
7440-22-4	Bee Tree Creek	INORG	Silver	3.87E-02	0	1.79E-02	1.79E-02	8.77E+01	0	0	0	0	0	0	0		1.2E-3	6.1E-4	8.23E-03	3.94E-03	3.0E-3	1.4E-3	3.0E-3	1.5E-3	0.375	3.75	2.02	79.62
7440-62-2	Bee Tree Creek	INORG	Vanadium	1.60E-01	0	1.53E-01	1.53E-01	1.13E+02	0	0	0	0	0	0	0		7.5E-2	7.2E-2	1.85E-01	1.77E-01	6.0E-2	5.7E-2	2.7E-1	2.6E-1	4.16	8.31	0.344	0.688
7440-66-6	Bee Tree Creek	INORG	Zinc	4.67E+01	0	4.24E+01	4.24E+01	2.06E+03	0	0	0	0	0	0	0		6.3E-1	5.5E-1	8.05E+00	7.26E+00	3.2E+0	2.9E+0	4.7E-1	3.5E-1	75.4	297.6	66.1	171.4
121-82-4	Bee Tree Creek	Nitroaromatics	RDX	1.77E-05	6.72E-06	0	6.72E-06	1.01E+00	0	7.60E-05	0	7.60E-05	2.89E-05	0	2.89E-05		2.5E-5	1.6E-4	5.17E-05	3.52E-04	1.0E-5	1.1E-4	4.3E-5	5.8E-4	1.19	2.73	3.65	8.14
118-96-7	Bee Tree Creek	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	Bee Tree Creek	PEST	Aldrin	0	0	0	0	1.40E+04	2.37E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.2	1	0.007	0.035
319-85-7	Bee Tree Creek	PEST	beta-BHC	0	0	0	0	4.47E+02	2.20E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.4	2	2	20
58-89-9	Bee Tree Creek	PEST	Lindane	0	0	0	0	3.95E+02	7.50E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	8	80	2	20
57-74-9	Bee Tree Creek	PEST	Chlordane (total)	6.15E-03	1.06E-03	6.26E-04	1.68E-03	1.19E+04	2.56E+00	4.44E-02	6.15E-04	4.51E-02	7.96E-03	1.56E-03	9.52E-03		6.5E-3	1.4E-3	1.03E-03	2.84E-04	6.1E-4	1.5E-4	7.6E-3	1.6E-3	4.6	9.2	2.14	10.7
72-54-8	Bee Tree Creek	PEST	4,4'-DDD	0	0	0	0	1.70E+04	2.17E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
50-29-3	Bee Tree Creek	PEST	4,4'-DDT	2.65E-04	0	1.29E-04	1.29E-04	7.82E+03	9.36E-01	0	6.64E-04	6.64E-04	0	3.22E-04	3.22E-04		1.0E-4	4.9E-5	4.82E-05	2.40E-05	2.0E-5	9.7E-6	1.2E-4	5.8E-5	0.147	0.735	0.227	2.27
115-29-7	Bee Tree Creek	PEST	Endosulfan	2.86E-04	0	1.71E-04	1.71E-04	2.77E+02	1.89E+00	0	7.15E-04	7.15E-04	0	4.29E-04	4.29E-04		1.1E-4	6.4E-5	4.97E-05	3.01E-05	1.9E-5	1.1E-5	1.2E-4	7.4E-5	0.15	--	10	--
72-20-8	Bee Tree Creek	PEST	Endrin	0	0	0	0	1.27E+04	2.48E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.092	0.92	0.01	0.1
76-44-8	Bee Tree Creek	PEST	Heptachlor	0	0	0	0	1.72E+04	1.10E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
1024-57-3	Bee Tree Creek	PEST	Heptachlor epoxide	5.84E-05	0	7.87E-05	7.87E-05	9.83E+03	6.08E-01	0	1.46E-04	1.46E-04	0	1.97E-04	1.97E-04		2.2E-5	3.0E-5	1.11E-05	1.53E-05	4.1E-6	5.6E-6	2.7E-5	3.6E-5	0.01	1	0.00065	0.0065
72-43-5	Bee Tree Creek	PEST	Methoxychlor	0	0	0	0	2.79E+03	1.20E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	4	8	--	--
130498-29-2H	Bee Tree Creek	SVOC	PAHs (High MW)	4.09E-01	0	8.34E-02	8.34E-02	5.00E+02	2.72E-01	0	1.02E+00	1.02E+00	0	2.09E-01	2.09E-01		1.6E-1	3.3E-2	8.99E-02	1.84E-02	3.6E-2	7.3E-3	2.1E-1	4.3E-2	0.615	3.07	2	20
130498-29-2L	Bee Tree Creek	SVOC	PAHs (Low MW)	1.41E+01	0	1.41E+00	1.41E+00	5.00E+02	2.72E-01	0	3.54E+01	3.54E+01	0	3.54E+00	3.54E+00		5.6E+0	5.6E-1	3.11E+00	3.11E-01	1.1E+0	1.2E-1	7.2E+0	7.2E-1	65.6	328	1653	16530
108-95-2	Bee Tree Creek	SVOC	Phenol	0	0	0	0	3.49E+00	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	26.36	263.6	--	--
156-59-2	Bee Tree Creek	VOC	cis-1,2-Dichloroethene	0	0	0	0	8.06E+00	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	45.2	450.2	--	--
7440-36-0	Gregg Branch	INORG	Antimony	2.99E-01	0	1.08E-01	1.08E-01	4.00E+01	0	0	0	0	0	0	0		9.0E-3	3.5E-3	6.22E-02	2.33E-02	2.3E-2	8.4E-3	2.1E-2	8.1E-3	0.059	0.59	--	--
7440-38-2	Gregg Branch	INORG	Arsenic	4.02E-01	0	2.02E-01	2.02E-01	1.14E+02	0	0	0	0	0	0	0		1.3E-2	6.7E-3	8.53E-02	4.37E-02	3.1E-2	1.6E-2	3.1E-2	1.6E-2	1.04	1.66	2.24	4.51
7440-39-3	Gregg Branch	INORG	Barium	2.95E+00	7.79E-01	7.33E-01	1.51E+00	1.13E+02	0	1.27E+00	0	1.27E+00	6.87E-01	0	6.87E-01		5.3E-1	2.7E-1	1.19E+00	5.90E-01	5.7E-1	2.9E-1	1.4E+0	6.8E-1	51.8	82.7	20.8	41.7
7440-41-7	Gregg Branch	INORG	Beryllium	1.66E-01	0	2.87E-02	2.87E-02	6.20E+01	0	0	0	0	0	0	0		5.3E-3	9.4E-4	3.52E-02	6.18E-03	1.7E-2	3.3E-3	1.3E-2	2.3E-3	0.532	0.672	--	--
7440-43-9	Gregg Branch	INORG	Cadmium	2.07E+00	0	3.28E-01	3.28E-01	9.07E+02	0	0	0	0	0	0	0		2.8E-2	4.1E-3	3.55E-01	5.58E-02	1.4E-1	2.2E-2	2.0E-2	2.0E-3	0.77	7.7	1.47	6.35
7440-47-3	Gregg Branch	INORG	Chromium	3.98E+00	7.96E-01	9.22E-01	1.72E+00	1.90E+01	0	2.00E-02	0	2.00E-02	7.88E-03	0	7.88E-03		1.7E-1	7.8E-2	9.29E-01	4.11E-01	4.5E-1	1.9E-1	4.5E-1	2.1E-1	2.4	58.2	2.66	15.6
7440-48-4	Gregg Branch	INORG	Cobalt	1.46E-01	0	9.13E-02	9.13E-02	1.13E+02	0	0	0	0	0	0	0		2.5E-2	1.5E-2	7.40E-02	4.64E-02	2.5E-2	1.6E-2	8.4E-2	5.3E-2	7.33	18.9	7.61	18.34
7440-50-8	Gregg Branch	INORG	Copper	3.94E+00	9.72E-01	6.98E-01	1.67E+00	7.10E+02	0	7.63E-01	0	7.63E-01	2.90E-01	0	2.90E-01		2.0E-1	8.5E-2	7.68E-01	3.34E-01	3.3E-1	1.5E-1	3.2E-1	1.4E-1	5.6	9.34	4.05	12.1
7439-92-1	Gregg Branch	INORG	Lead	5.17E-01	0	3.12E-01	3.12E-01	9.00E-02	0	0	0	0	0	0	0		2.3E-2	1.3E-2	1.23E-01	7.23E-02	4.8E-2	2.9E-2	6.3E-2	3.4E-2	4.7	8.9	1.63	3.26
7439-96-5	Gregg Branch	INORG	Manganese	4.27E+01	1.09E+01	3.13E+00	1.40E+01	1.13E+02	0	7.83E+00	0	7.83E+00	2.34E+00	0	2.34E+00		3.8E+0	1.3E+0	1.19E+01	4.05E+00	6.7E+0	2.2E+0	9.4E+0	3.3E+0	51.5	145.7	179	376.6
7440-02-0	Gregg Branch	INORG	Nickel	1.93E+00	0	9.70E-01	9.70E-01	7.80E+01	0	0	0	0	0	0	0		6.2E-2	3.1E-2	4.10E-01	2.07E-01	1.5E-1	7.7E-2	1.5E-1	7.6E-2	1.7	3.4	6.71	18.6
7782-49-2	Gregg Branch	INORG	Selenium	3.96E-01	0	1.62E-01	1.62E-01	1.29E+02	0	0	0	0	0	0	0		1.6E-2	5.4E-3	9.13E-02	3.52E-02	4.6E-2	1.6E-2	4.3E-2	1.3E-2	0.143	0.215	0.29	0.579
7440-22-4	Gregg Branch	INORG	Silver	2.61E-01	0	2.31E-02	2.31E-02	8.77E+01	0	0	0	0	0	0	0		8.4E-3	7.8E-4	5.54E-02	5.04E-03	2.0E-2	1.8E-3	2.0E-2	1.9E-3	0.375	3.75	2.02	79.62
7440-62-2	Gregg Branch	INORG	Vanadium	9.72E-01	2.35E-01	1.54E-01	3.88E-01	1.13E+02	0	1.50E-01	0	1.50E-01	5.04E-02	0	5.04E-02		1.6E-1	8.2E-2	4.34E-01	2.17E-01	1.9E-1	8.6E-2	4.8E-1	2.7E-1	4.16	8.31	0.344	0.688
7440-66-6	Gregg Branch	INORG	Zinc	4.04E+01	0	3.40E+01	3.40E+01	2.06E+03	0	0	0	0	0	0	0		5.2E-1	4.1E-1	6.89E+00	5.75E+00	2.7E+0	2.3E+0	3.0E-1	1.8E-1	75.4	297.6	66.1	171.4
121-82-4	Gregg Branch	Nitroaromatics	RDX	9.64E-03	1.69E-05	3.18E-03	3.20E-03	1.01E+00	0	8.61E-04	0	8.61E-04	7.27E-05	0	7.27E-05		8.8E-4	2.2E-4	3.22E-03	9.37E-04	1.5E-3	4.6E-4	2.3E-3	6.5E-4	1.19	2.73	3.65	8.14
118-96-7	Gregg Branch	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	Gregg Branch	PEST	Aldrin	0	0	0	0	1.40E+04	2.37E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.2	1	0.007	0.035
319-85-7	Gregg Branch	PEST	beta-BHC	2.42E-04	3.48E-05	0	3.48E-05	4.47E+02	2.20E+00	1.90E-03	0	1.90E-03	2.73E-04	0	2.73E-04		2.7E-4	4.1E-5	4.30E-05	9.38E-06	2.5E-5	4.6E-6	3.2E-4	5.2E-5	0.4	2	2	20
58-89-9	Gregg Branch	PEST	Lindane	1.06E-04	0	3.75E-05	3.75E-05	3.95E+02	7.50E-01	0	2.66E-04	2.66E-04	0	9.37E-05	9.37E-05		4.0E-5	1.4E-5	1.97E-05	7.26E-06	7.7E-6	2.8E-6	4.8E-5	1.7E-5	8	80	2	20
57-74-9	Gregg Branch	PEST	Chlordane (total)	7.09E-03	8.70E-04	3.58E-04	1.23E-03	1.19E+04	2.56E+00	4.44E-02	2.96E-03	4.74E-02	6.54E-03	8.95E-04	7.44E-03		6.9E-3	1.1E-3	1.19E-03	2.07E-04	6.7E-4	1.1E-4	8.0E-3	1.3E-3	4.6	9.2	2.14	10.7
72-54-8	Gregg Branch	PEST	4,4'-DDD	0	0	0	0	1.70E+04	2.17E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
50-29-3	Gregg Branch	PEST	4,4'-DDT	7.28E-04	0	1.97E-04	1.97E-04	7.82E+03	9.36E-01	0	1.82E-03	1.82E-03	0	4.92E-04	4.92E-04		2.7E-4	7.4E-5	1.32E-04	3.63E-05	5.3E-5	1.5E-5	3.2E-4	8.8E-5	0.147	0.735	0.227	2.27
115-29-7	Gregg Branch	PEST	Endosulfan	1.73E-03	0	3.15E-04	3.15E-04	2.77E+02	1.89E+00	0	4.33E-03	4.33E-03	0	7.88E-04	7.88E-04		6.4E-4	1.2E-4	3.01E-04	5.51E-05	1.2E-4	2.1E-5	7.5E-4	1.4E-4	0.15	--	10	--
72-20-8	Gregg Branch	PEST	Endrin	0	0	0	0	1.27E+04	2.48E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.092	0.92	0.01	0.1
76-44-8	Gregg Branch	PEST	Heptachlor	0	0	0	0	1.72E+04	1.10E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
1024-57-3	Gregg Branch	PEST	Heptachlor epoxide	1.81E-04	0	5.09E-05	5.09E-05	9.83E+03	6.08E-01	0	4.52E-04	4.52E-04	0	1.27E-04	1.27E-04		6.8E-5	1.9E-5	3.43E-05	1.03E-05	1.3E-5	3.7E-6	8.3E-5	2.4E-5	0.01	1	0.00065	0.0065
72-43-5	Gregg Branch	PEST	Methoxychlor	0	0	0	0	2.79E+03	1.20E+00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	4	8	--	--
130498-29-2H	Gregg Branch	SVOC	PAHs (High MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.615	3.07	2	20
130498-29-2L	Gregg Branch	SVOC	PAHs (Low MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0		0	0	0	0	0	0	0	0	65.6	328	1653	16530
108-95-2	Gregg Branch	SVOC	Phenol	5.65E-03	0	8.93E-04	8.93E-04	3.49E+00	0	0	0	0	0	0	0		4.6E-4	9.6E-5	1.80E-03	3.66E-04	5.1E-3	8.2E-4	1.5E-3	2.8E-4	26.36	263.6	--	--
156-59-2	Gregg Branch	VOC	cis-1,2-Dichloroethene	1.14E-02	2.40E-04	2.63E-04	5.03E-04	8.06E+00	0	4.84E-02	0	4.84E-02	1.27E-03	0	1.27E-03		8.2E-3	2.2E-4	5.84E-03	1.90E-04	1.9E-3	7.3E-5	1.1E-2	2.8E-4	45.2	450.2	--	--
7440-36-0	POND1	INORG	Antimony	0	0	0	0	4.00E+01	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.059	0.59	--	--
7440-38-2	POND1	INORG	Arsenic	1.44E-01	0	1.44E-01	1.44E-01	1.14E+02	0	0	0	0	0	0	0		4.6E-3	4.9E-3	3.06E-02	3.14E-02	1.1E-2	1.1E-2	1.1E-2	1.2E-2	1.04	1.66	2.24	4.51
7440-39-3	POND1	INORG	Barium	1.34E+00	1.57E-01	1.18E+00	1.34E+00	1.13E+02	0	1.38E-01	0	1.38E-01	1.38E-01	0	1.38E-01		2.8E-1	2.8E-1	7.61E-01	7.61E-01	3.4E-1	3.4E-1	9.3E-1	9.3E-1	51.8	82.7	20.8	41.7
7440-41-7	POND1	INORG	Beryllium	8.08E-02	0	8.08E-02	8.08E-02	6.20E+01	0	0	0	0	0	0	0		2.6E-3	2.6E-3	1.72E-02	1.72E-02	8.5E-3	8.5E-3	6.3E-3	6.3E-3	0.532	0.672	--	--
7440-43-9	POND1	INORG	Cadmium	9.63E-01	0	9.63E-01	9.63E-01	9.07E+02	0	0	0	0	0	0	0		1.2E-2	1.2E-2	1.64E-01	1.65E-01	6.4E-2	6.4E-2	7.5E-3	7.5E-3	0.77	7.7	1.47	6.35
7440-47-3	POND1	INORG	Chromium	6.41E-01	0	6.41E-01	6.41E-01	1.90E+01	0	0	0	0	0	0	0		4.7E-2	4.7E-2	1.94E-01	1.94E-01	7.0E-2	7.0E-2	1.5E-1	1.5E-1	2.4	58.2	2.66	15.6
7440-48-4	POND1	INORG	Cobalt	1.14E-01	0	1.14E-01	1.14E-01	1.13E+02	0	0	0	0	0	0	0		1.9E-2	1.9E-2	5.79E-02	5.80E-02	1.9E-2	1.9E-2	6.6E-2	6.6E-2	7.33	18.9	7.61	18.34
7440-50-8	POND1	INORG	Copper	8.90E-01	0	8.90E-01	8.90E-01	7.10E+02	0	0	0	0	0	0	0		4.3E-2	4.3E-2	2.20E-01	2.20E-01	1.1E-1	1.1E-1	1.2E-1	1.2E-1	5.6	9.34	4.05	12.1
7439-92-1	POND1	INORG	Lead	3.91E-01	0	3.91E-01	3.91E-01	9.00E-02	0	0	0	0	0	0	0		1.6E-2	1.7E-2	9.15E-02	9.20E-02	3.6E-2	3.6E-2	4.4E-2	4.5E-2	4.7	8.9	1.63	3.26
7439-96-5	POND1	INORG	Manganese	1.77E+01	1.45E+01	3.22E+00	1.77E+01	1.13E+02	0	3.11E+00	0	3.11E+00	3.11E+00	0	3.11E+00		1.5E+0	1.5E+0	4.73E+00	4.73E+00	2.6E+0	2.6E+0	3.5E+0	3.5E+0	51.5	145.7	179	376.6
7440-02-0	POND1	INORG	Nickel	1.34E+00	0	1.34E+00	1.34E+00	7.80E+01	0	0	0	0	0	0	0		4.3E-2	4.3E-2	2.85E-01	2.85E-01	1.1E-1	1.1E-1	1.0E-1	1.0E-1	1.7	3.4	6.71	18.6

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				brates				Uptake to Fish									Green Heron TDI		Little Brown Bat TDI		Mallard Duck TDI		Mink TDI					
					AVG					MAX			AVG				(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)	
CASRN	Area	Group	Chemical	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BSAF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	NOAEL	LOAEL	NOAEL	LOAEL
7782-49-2	POND1	INORG	Selenium	0	0	0	0	1.29E+02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.143	0.215	0.29	0.579
7440-22-4	POND1	INORG	Silver	0	0	0	0	8.77E+01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.375	3.75	2.02	79.62
7440-62-2	POND1	INORG	Vanadium	1.46E-01	0	1.46E-01	1.46E-01	1.13E+02	0	0	0	0	0	0	0	6.9E-2	6.9E-2	1.69E-01	1.69E-01	5.5E-2	5.5E-2	2.4E-1	2.4E-1	4.16	8.31	0.344	0.688
7440-66-6	POND1	INORG	Zinc	4.35E+01	0	4.35E+01	4.35E+01	2.06E+03	0	0	0	0	0	0	0	5.7E-1	5.7E-1	7.46E+00	7.46E+00	3.0E+0	3.0E+0	3.8E-1	3.8E-1	75.4	297.6	66.1	171.4
121-82-4	POND1	Nitroaromatics	RDX	7.08E-03	0	7.08E-03	7.08E-03	1.01E+00	0	0	0	0	0	0	0	4.4E-4	4.5E-4	1.97E-03	1.99E-03	1.0E-3	1.0E-3	1.3E-3	1.4E-3	1.19	2.73	3.65	8.14
118-96-7	POND1	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	POND1	PEST	Aldrin	0	0	0	0	1.40E+04	2.37E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1	0.007	0.035
319-85-7	POND1	PEST	beta-BHC	0	0	0	0	4.47E+02	2.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2	2	20
58-89-9	POND1	PEST	Lindane	0	0	0	0	3.95E+02	7.50E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	80	2	20
57-74-9	POND1	PEST	Chlordane (total)	0	0	0	0	1.19E+04	2.56E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6	9.2	2.14	10.7
72-54-8	POND1	PEST	4,4'-DDD	0	0	0	0	1.70E+04	2.17E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
50-29-3	POND1	PEST	4,4'-DDT	0	0	0	0	7.82E+03	9.36E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
115-29-7	POND1	PEST	Endosulfan	0	0	0	0	2.77E+02	1.89E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	--	10	--
72-20-8	POND1	PEST	Endrin	0	0	0	0	1.27E+04	2.48E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.092	0.92	0.01	0.1
76-44-8	POND1	PEST	Heptachlor	0	0	0	0	1.72E+04	1.10E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
1024-57-3	POND1	PEST	Heptachlor epoxide	0	0	0	0	9.83E+03	6.08E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
72-43-5	POND1	PEST	Methoxychlor	0	0	0	0	2.79E+03	1.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	--	--
130498-29-2H	POND1	SVOC	PAHs (High MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.615	3.07	2	20
130498-29-2L	POND1	SVOC	PAHs (Low MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65.6	328	1653	16530
108-95-2	POND1	SVOC	Phenol	0	0	0	0	3.49E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.36	263.6	--	--
156-59-2	POND1	VOC	cis-1,2-Dichloroethene	1.14E-04	5.09E-05	0	5.09E-05	8.06E+00	0	6.05E-04	0	6.05E-04	2.69E-04	0	2.69E-04	1.0E-4	4.7E-5	6.78E-05	3.35E-05	2.0E-5	9.8E-6	1.3E-4	6.4E-5	45.2	450.2	--	--
7440-36-0	POND2	INORG	Antimony	0	0	0	0	4.00E+01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.059	0.59	--	--
7440-38-2	POND2	INORG	Arsenic	2.78E-01	0	2.78E-01	2.78E-01	1.14E+02	0	0	0	0	0	0	0	8.9E-3	9.2E-3	5.90E-02	5.98E-02	2.2E-2	2.2E-2	2.2E-2	2.2E-2	1.04	1.66	2.24	4.51
7440-39-3	POND2	INORG	Barium	1.92E+00	4.48E-01	1.47E+00	1.92E+00	1.13E+02	0	3.96E-01	0	3.96E-01	3.96E-01	0	3.96E-01	3.9E-1	3.9E-1	9.93E-01	9.93E-01	4.5E-1	4.5E-1	1.2E+0	1.2E+0	51.8	82.7	20.8	41.7
7440-41-7	POND2	INORG	Beryllium	7.78E-02	0	7.78E-02	7.78E-02	6.20E+01	0	0	0	0	0	0	0	2.5E-3	2.5E-3	1.65E-02	1.66E-02	8.2E-3	8.2E-3	6.0E-3	6.1E-3	0.532	0.672	--	--
7440-43-9	POND2	INORG	Cadmium	8.09E-01	0	8.09E-01	8.09E-01	9.07E+02	0	0	0	0	0	0	0	1.0E-2	1.0E-2	1.38E-01	1.38E-01	5.4E-2	5.4E-2	6.0E-3	6.1E-3	0.77	7.7	1.47	6.35
7440-47-3	POND2	INORG	Chromium	8.08E-01	0	8.08E-01	8.08E-01	1.90E+01	0	0	0	0	0	0	0	5.9E-2	5.9E-2	2.44E-01	2.44E-01	8.8E-2	8.8E-2	1.8E-1	1.8E-1	2.4	58.2	2.66	15.6
7440-48-4	POND2	INORG	Cobalt	1.08E-01	0	1.08E-01	1.08E-01	1.13E+02	0	0	0	0	0	0	0	1.8E-2	1.8E-2	5.45E-02	5.47E-02	1.8E-2	1.8E-2	6.2E-2	6.2E-2	7.33	18.9	7.61	18.34
7440-50-8	POND2	INORG	Copper	6.58E-01	0	6.58E-01	6.58E-01	7.10E+02	0	0	0	0	0	0	0	3.2E-2	3.2E-2	1.63E-01	1.63E-01	8.4E-2	8.5E-2	9.0E-2	9.0E-2	5.6	9.34	4.05	12.1
7439-92-1	POND2	INORG	Lead	5.26E-01	0	5.26E-01	5.26E-01	9.00E-02	0	0	0	0	0	0	0	2.3E-2	2.3E-2	1.25E-01	1.26E-01	4.9E-2	4.9E-2	6.4E-2	6.4E-2	4.7	8.9	1.63	3.26
7439-96-5	POND2	INORG	Manganese	1.10E+01	8.15E+00	2.80E+00	1.10E+01	1.13E+02	0	1.75E+00	0	1.75E+00	1.75E+00	0	1.75E+00	1.0E+0	1.0E+0	3.28E+00	3.28E+00	1.7E+0	1.7E+0	2.7E+0	2.7E+0	51.5	145.7	179	376.6
7440-02-0	POND2	INORG	Nickel	1.27E+00	0	1.27E+00	1.27E+00	7.80E+01	0	0	0	0	0	0	0	4.1E-2	4.1E-2	2.70E-01	2.70E-01	1.0E-1	1.0E-1	9.9E-2	9.9E-2	1.7	3.4	6.71	18.6
7782-49-2	POND2	INORG	Selenium	0	0	0	0	1.29E+02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.143	0.215	0.29	0.579
7440-22-4	POND2	INORG	Silver	0	0	0	0	8.77E+01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.375	3.75	2.02	79.62
7440-62-2	POND2	INORG	Vanadium	1.82E-01	0	1.82E-01	1.82E-01	1.13E+02	0	0	0	0	0	0	0	8.5E-2	8.5E-2	2.10E-01	2.11E-01	6.8E-2	6.8E-2	3.0E-1	3.0E-1	4.16	8.31	0.344	0.688
7440-66-6	POND2	INORG	Zinc	4.08E+01	0	4.08E+01	4.08E+01	2.06E+03	0	0	0	0	0	0	0	5.3E-1	5.3E-1	6.97E+00	6.97E+00	2.8E+0	2.8E+0	3.1E-1	3.1E-1	75.4	297.6	66.1	171.4
121-82-4	POND2	Nitroaromatics	RDX	1.30E-05	8.26E-06	0	8.26E-06	1.01E+00	0	5.57E-05	0	5.57E-05	3.55E-05	0	3.55E-05	1.8E-5	1.7E-4	3.79E-05	3.57E-04	7.4E-6	1.1E-4	3.1E-5	5.8E-4	1.19	2.73	3.65	8.14
118-96-7	POND2	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	POND2	PEST	Aldrin	0	0	0	0	1.40E+04	2.37E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1	0.007	0.035
319-85-7	POND2	PEST	beta-BHC	0	0	0	0	4.47E+02	2.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2	2	20
58-89-9	POND2	PEST	Lindane	0	0	0	0	3.95E+02	7.50E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	80	2	20
57-74-9	POND2	PEST	Chlordane (total)	9.26E-04	0	9.26E-04	9.26E-04	1.19E+04	2.56E+00	0	2.32E-03	2.32E-03	0	2.32E-03	2.32E-03	3.4E-4	3.4E-4	1.59E-04	1.59E-04	5.9E-5	5.9E-5	4.0E-4	4.0E-4	4.6	9.2	2.14	10.7
72-54-8	POND2	PEST	4,4'-DDD	4.36E-04	0	4.36E-04	4.36E-04	1.70E+04	2.17E+00	0	1.09E-03	1.09E-03	0	1.09E-03	1.09E-03	1.6E-4	1.6E-4	7.53E-05	7.58E-05	2.9E-5	2.9E-5	1.9E-4	1.9E-4	0.147	0.735	0.227	2.27
50-29-3	POND2	PEST	4,4'-DDT	0	0	0	0	7.82E+03	9.36E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
115-29-7	POND2	PEST	Endosulfan	6.41E-04	0	6.41E-04	6.41E-04	2.77E+02	1.89E+00	0	1.60E-03	1.60E-03	0	1.60E-03	1.60E-03	2.4E-4	2.4E-4	1.11E-04	1.12E-04	4.3E-5	4.3E-5	2.8E-4	2.8E-4	0.15	--	10	--
72-20-8	POND2	PEST	Endrin	0	0	0	0	1.27E+04	2.48E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.092	0.92	0.01	0.1
76-44-8	POND2	PEST	Heptachlor	0	0	0	0	1.72E+04	1.10E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
1024-57-3	POND2	PEST	Heptachlor epoxide	0	0	0	0	9.83E+03	6.08E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
72-43-5	POND2	PEST	Methoxychlor	0	0	0	0	2.79E+03	1.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	--	--
130498-29-2H	POND2	SVOC	PAHs (High MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.615	3.07	2	20
130498-29-2L	POND2	SVOC	PAHs (Low MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65.6	328	1653	16530
108-95-2	POND2	SVOC	Phenol	0	0	0	0	3.49E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.36	263.6	--	--
156-59-2	POND2	VOC	cis-1,2-Dichloroethene	2.67E-04	1.02E-04	0	1.02E-04	8.06E+00	0	1.41E-03	0	1.41E-03	5.38E-04	0	5.38E-04	2.4E-4	9.2E-5	1.58E-04	6.33E-05	4.6E-5	1.9E-5	3.1E-4	1.2E-4	45.2	450.2	--	--
7440-36-0	POND3	INORG	Antimony	0	0	0	0	4.00E+01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.059	0.59	--	--
7440-38-2	POND3	INORG	Arsenic	1.56E-01	0	1.56E-01	1.56E-01	1.14E+02	0	0	0	0	0	0	0	5.0E-3	5.2E-3	3.30E-02	3.38E-02	1.2E-2	1.2E-2	1.2E-2	1.3E-2	1.04	1.66	2.24	4.51
7440-39-3	POND3	INORG	Barium	1.36E+00	5.89E-01	7.67E-01	1.36E+00	1.13E+02	0	5.20E-01	0	5.20E-01	5.20E-01	0	5.20E-01	2.5E-1	2.5E-1	5.79E-01	5.79E-01	2.7E-1	2.7E-1	6.8E-1	6.8E-1	51.8	82.7	20.8	41.7
7440-41-7	POND3	INORG	Beryllium	4.16E-02	0	4.16E-02	4.16E-02	6.20E+01	0	0	0	0	0	0	0	1.3E-3	1.4E-3	8.84E-03	8.91E-03	4.6E-3	4.6E-3	3.2E-3	3.3E-3	0.532	0.672	--	--
7440-43-9	POND3	INORG	Cadmium	6.24E-01	0	6.24E-01	6.24E-01	9.07E+02	0	0	0	0	0	0	0	7.9E-3	7.9E-3	1.06E-01	1.06E-01	4.2E-2	4.2E-2	4.3E-3	4.4E-3	0.77	7.7	1.47	6.35
7440-47-3	POND3	INORG	Chromium	5.68E-01	0	5.68E-01	5.68E-01	1.90E+01	0	0	0	0	0	0	0	4.2E-2	4.2E-2	1.72E-01	1.72E-01	6.2E-2	6.2E-2	1.3E-1	1.3E-1	2.4	58.2	2.66	15.6
7440-48-4	POND3	INORG	Cobalt	6.19E-02	0	6.19E-02	6.19E-02	1.13E+02	0	0	0	0	0	0	0	1.0E-2	1.0E-2	3.14E-02	3.15E-02	1.1E-2	1.1E-2	3.6E-2	3.6E-2	7.33	18.9	7.61	18.34
7440-50-8	POND3	INORG	Copper	3.67E-01	0	3.67E-01	3.67E-01	7.10E+02	0	0	0	0	0	0	0	1.8E-2	1.8E-2	9.05E-02	9.07E-02	5.4E-2	5.4E-2	5.0E-2	5.0E-2	5.6	9.34	4.05	12.1
7439-92-1	POND3	INORG	Lead	1.95E-01	0	1.95E-01	1.95E-01	9.00E-02	0	0	0	0	0	0	0	7.2E-3	7.4E-3	4.34E-02	4.40E-02	1.8E-2	1.8E-2	1.9E-2	1.9E-2	4.7	8.9	1.63	3.26
7439-96-5	POND3	INORG	Manganese	2.51E+01	2.29E+01	2.26E+00	2.51E+01	1.13E+02	0	4.92E+00	0	4.92E+00	4.92E+00	0	4.92E+00	1.5E+0	1.5E+0	5.26E+00	5.26E+00	3.3E+0	3.3E+0	2.6E+0	2.6E+0	51.5	145.7	179	376.6
7440-02-0	POND3	INORG	Nickel	9.48E-01	0	9.48E-01	9.48E-01	7.80E+01	0	0	0	0	0	0	0	3.0E-2	3.1E-2	2.01E-01	2.02E-01	7.5E-2	7.5E-2	7.4E-2	7.4E-2	1.7	3.4	6.71	18.6
7782-49-2	POND3	INORG	Selenium	0	0	0	0	1.29E+02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.143	0.215	0.29	0.579
7440-22-4	POND3	INORG	Silver	0	0	0	0	8.77E+01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.375	3.75	2.02	79.62
7440-62-2	POND3	INORG	Vanadium	1.09E-01	0	1.09E-01	1.09E-01	1.13E+02	0	0	0	0	0	0	0	5.1E-2	5.1E-2	1.26E-01	1.26E-01	4.1E-2	4.1E-2	1.8E-1	1.8E-1	4.16	8.31	0.344	0.688
7440-66-6	POND3	INORG	Zinc	3.64E+01	0	3.64E+01	3.64E+01	2.06E+03	0	0	0	0	0	0	0	4.5E-1	4.5E-1	6.18E+00	6.18E+00	2.4E+0	2.4E+0	2.2E-1	2.2E-1	75.4	297.6	66.1	171.4
121-82-4	POND3	Nitroaromatics	RDX	0	0	0	0	1.01E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19	2.73	3.65	8.14
118-96-7	POND3	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	POND3	PEST	Aldrin	0	0	0	0	1.40E+04	2.37E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1	0.007	0.035
319-85-7	POND3	PEST	beta-BHC	0	0	0	0	4.47E+02	2.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2	2	20
58-89-9	POND3	PEST	Lindane	0	0	0	0	3.95E+02	7.50E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	80	2	20
57-74-9	POND3	PEST	Chlordane (total)	4.57E-04	0	4.57E-04	4.57E-04	1.19E+04	2.56E+00	0	1.14E-03	1.14E-03	0	1.14E-03	1.14E-03	1.7E-4	1.7E-4	7.86E-05	7.89E-05	2.9E-5	2.9E-5	2.0E-4	2.0E-4	4.6	9.2	2.14	10.7
72-54-8	POND3	PEST	4,4'-DDD	0	0	0	0	1.70E+04	2.17E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				brates						Uptake to Fish						Green Heron TDI		Little Brown Bat TDI		Mallard Duck TDI		Mink TDI					
					AVG					MAX			AVG			(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		(mg/kg-bw/d)		Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)	
CASRN	Area	Group	Chemical	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	BCF SW	BSAF SD	From SW	From SD	Total (mg/kg ww)	From SW	From SD	Total (mg/kg ww)	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	Max	Avg or UCL	NOAEL	LOAEL	NOAEL	LOAEL
50-29-3	POND3	PEST	4,4'-DDT	0	0	0	0	7.82E+03	9.36E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
115-29-7	POND3	PEST	Endosulfan	4.59E-04	0	4.59E-04	4.59E-04	2.77E+02	1.89E+00	0	1.15E-03	1.15E-03	0	1.15E-03	1.15E-03	1.7E-4	1.7E-4	7.98E-05	8.01E-05	3.1E-5	3.1E-5	2.0E-4	2.0E-4	0.15	--	10	--
72-20-8	POND3	PEST	Endrin	0	0	0	0	1.27E+04	2.48E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.092	0.92	0.01	0.1
76-44-8	POND3	PEST	Heptachlor	0	0	0	0	1.72E+04	1.10E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
1024-57-3	POND3	PEST	Heptachlor epoxide	0	0	0	0	9.83E+03	6.08E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	1	0.00065	0.0065
72-43-5	POND3	PEST	Methoxychlor	0	0	0	0	2.79E+03	1.20E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	--	--
130498-29-2H	POND3	SVOC	PAHs (High MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.615	3.07	2	20
130498-29-2L	POND3	SVOC	PAHs (Low MW)	0	0	0	0	5.00E+02	2.72E-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65.6	328	1653	16530
108-95-2	POND3	SVOC	Phenol	0	0	0	0	3.49E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.36	263.6	--	--
156-59-2	POND3	VOC	cis-1,2-Dichloroethene	0	0	0	0	8.06E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45.2	450.2	--	--
7440-36-0	Unnamed Branch	INORG	Antimony	1.71E-01	0	8.40E-02	8.40E-02	4.00E+01	0	0	0	0	0	0	0	5.1E-3	2.7E-3	3.56E-02	1.82E-02	1.3E-2	6.5E-3	1.2E-2	6.4E-3	0.059	0.59	--	--
7440-38-2	Unnamed Branch	INORG	Arsenic	3.05E-01	0	2.18E-01	2.18E-01	1.14E+02	0	0	0	0	0	0	0	9.8E-3	7.2E-3	6.48E-02	4.72E-02	2.4E-2	1.7E-2	2.4E-2	1.7E-2	1.04	1.66	2.24	4.51
7440-39-3	Unnamed Branch	INORG	Barium	2.31E+00	7.42E-01	7.33E-01	1.48E+00	1.13E+02	0	1.03E+00	0	1.03E+00	6.55E-01	0	6.55E-01	4.1E-1	2.7E-1	9.07E-01	5.84E-01	4.4E-1	2.8E-1	1.1E+0	6.8E-1	51.8	82.7	20.8	41.7
7440-41-7	Unnamed Branch	INORG	Beryllium	1.66E-01	0	3.34E-02	3.34E-02	6.20E+01	0	0	0	0	0	0	0	5.3E-3	1.1E-3	3.52E-02	7.16E-03	1.7E-2	3.8E-3	1.3E-2	2.6E-3	0.532	0.672	--	--
7440-43-9	Unnamed Branch	INORG	Cadmium	0	0	0	0	9.07E+02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	7.7	1.47	6.35
7440-47-3	Unnamed Branch	INORG	Chromium	3.26E+00	6.31E-01	8.55E-01	1.49E+00	1.90E+01	0	1.09E-02	0	1.09E-02	6.24E-03	0	6.24E-03	1.7E-1	7.1E-2	8.36E-01	3.63E-01	3.7E-1	1.7E-1	5.0E-1	2.0E-1	2.4	58.2	2.66	15.6
7440-48-4	Unnamed Branch	INORG	Cobalt	1.52E-01	0	9.43E-02	9.43E-02	1.13E+02	0	0	0	0	0	0	0	2.6E-2	1.6E-2	7.72E-02	4.80E-02	2.6E-2	1.6E-2	8.7E-2	5.4E-2	7.33	18.9	7.61	18.34
7440-50-8	Unnamed Branch	INORG	Copper	1.11E+00	0	7.17E-01	7.17E-01	7.10E+02	0	0	0	0	0	0	0	5.3E-2	3.4E-2	2.75E-01	1.77E-01	1.3E-1	9.0E-2	1.5E-1	9.8E-2	5.6	9.34	4.05	12.1
7439-92-1	Unnamed Branch	INORG	Lead	8.25E-01	0	4.85E-01	4.85E-01	9.00E-02	0	0	0	0	0	0	0	4.0E-2	2.1E-2	2.04E-01	1.16E-01	7.8E-2	4.5E-2	1.1E-1	5.8E-2	4.7	8.9	1.63	3.26
7439-96-5	Unnamed Branch	INORG	Manganese	1.58E+02	4.82E+01	4.51E+00	5.27E+01	1.13E+02	0	3.11E+01	0	3.11E+01	1.04E+01	0	1.04E+01	1.3E+1	3.4E+0	4.11E+01	1.17E+01	2.4E+1	7.3E+0	3.0E+1	6.7E+0	51.5	145.7	179	376.6
7440-02-0	Unnamed Branch	INORG	Nickel	1.47E+00	0	8.41E-01	8.41E-01	7.80E+01	0	0	0	0	0	0	0	4.7E-2	2.7E-2	3.12E-01	1.79E-01	1.2E-1	6.7E-2	1.1E-1	6.6E-2	1.7	3.4	6.71	18.6
7782-49-2	Unnamed Branch	INORG	Selenium	2.21E-01	0	1.11E-01	1.11E-01	1.29E+02	0	0	0	0	0	0	0	7.7E-3	3.5E-3	4.81E-02	2.36E-02	2.3E-2	1.0E-2	1.9E-2	8.0E-3	0.143	0.215	0.29	0.579
7440-22-4	Unnamed Branch	INORG	Silver	2.91E-02	0	1.53E-02	1.53E-02	8.77E+01	0	0	0	0	0	0	0	9.3E-4	5.3E-4	6.18E-03	3.37E-03	2.2E-3	1.2E-3	2.3E-3	1.3E-3	0.375	3.75	2.02	79.62
7440-62-2	Unnamed Branch	INORG	Vanadium	5.14E-01	1.57E-01	1.10E-01	2.67E-01	1.13E+02	0	7.35E-02	0	7.35E-02	3.37E-02	0	3.37E-02	9.5E-2	5.8E-2	2.56E-01	1.54E-01	1.1E-1	6.0E-2	3.0E-1	1.9E-1	4.16	8.31	0.344	0.688
7440-66-6	Unnamed Branch	INORG	Zinc	6.43E+01	4.42E+00	4.29E+01	4.74E+01	2.06E+03	0	9.21E+00	0	9.21E+00	3.10E+00	0	3.10E+00	2.2E+0	1.1E+0	1.11E+01	8.09E+00	4.6E+0	3.3E+0	2.2E+0	8.9E-1	75.4	297.6	66.1	171.4
121-82-4	Unnamed Branch	Nitroaromatics	RDX	1.12E-03	3.38E-04	0	3.38E-04	1.01E+00	0	4.81E-03	0	4.81E-03	1.45E-03	0	1.45E-03	1.6E-3	6.4E-4	3.28E-03	1.32E-03	6.4E-4	3.0E-4	2.7E-3	1.4E-3	1.19	2.73	3.65	8.14
118-96-7	Unnamed Branch	Nitroaromatics	2,4,6-Trinitrotoluene	0	0	0	0	4.68E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	7	175
309-00-2	Unnamed Branch	PEST	Aldrin	9.49E-02	1.08E-02	2.30E-04	1.10E-02	1.40E+04	2.37E-01	1.36E-01	2.49E-03	1.39E-01	1.57E-02	5.74E-04	1.62E-02	2.1E-2	2.4E-3	1.58E-02	1.85E-03	9.5E-3	1.1E-3	2.3E-2	2.8E-3	0.2	1	0.007	0.035
319-85-7	Unnamed Branch	PEST	beta-BHC	5.10E-03	6.73E-05	1.34E-03	1.41E-03	4.47E+02	2.20E+00	2.12E-03	1.21E-02	1.42E-02	5.27E-04	3.35E-03	3.87E-03	2.1E-3	5.7E-4	8.82E-04	2.43E-04	3.4E-4	9.4E-5	2.4E-3	6.7E-4	0.4	2	2	20
58-89-9	Unnamed Branch	PEST	Lindane	3.18E-04	2.64E-05	5.19E-05	7.83E-05	3.95E+02	7.50E-01	8.68E-04	5.14E-04	1.38E-03	2.04E-04	1.30E-04	3.34E-04	2.0E-4	4.9E-5	5.82E-05	1.44E-05	2.6E-5	6.5E-6	2.4E-4	5.8E-5	8	80	2	20
57-74-9	Unnamed Branch	PEST	Chlordane (total)	2.38E-03	0	9.64E-04	9.64E-04	1.19E+04	2.56E+00	0	5.95E-03	5.95E-03	0	2.41E-03	2.41E-03	8.8E-4	3.6E-4	4.09E-04	1.66E-04	1.5E-4	6.2E-5	1.0E-3	4.1E-4	4.6	9.2	2.14	10.7
72-54-8	Unnamed Branch	PEST	4,4'-DDD	0	0	0	0	1.70E+04	2.17E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	0.735	0.227	2.27
50-29-3	Unnamed Branch	PEST	4,4'-DDT	1.33E-03	0	4.77E-04	4.77E-04	7.82E+03	9.36E-01	0	3.32E-03	3.32E-03	0	1.19E-03	1.19E-03	5.0E-4	1.8E-4	2.41E-04	8.74E-05	9.5E-5	3.5E-5	5.9E-4	2.1E-4	0.147	0.735	0.227	2.27
115-29-7	Unnamed Branch	PEST	Endosulfan	5.78E-03	1.87E-05	1.12E-03	1.13E-03	2.77E+02	1.89E+00	4.99E-04	1.43E-02	1.48E-02	1.40E-04	2.79E-03	2.93E-03	2.2E-3	4.3E-4	1.01E-03	1.97E-04	3.9E-4	7.6E-5	2.6E-3	5.1E-4	0.15	--	10	--
72-20-8	Unnamed Branch	PEST	Endrin	9.26E-03	9.99E-04	0	9.99E-04	1.27E+04	2.48E-01	6.68E-02	0	6.68E-02	7.20E-03	0	7.20E-03	9.6E-3	1.0E-3	1.54E-03	1.68E-04	9.3E-4	1.0E-4	1.1E-2	1.2E-3	0.092	0.92	0.01	0.1
76-44-8	Unnamed Branch	PEST	Heptachlor	7.31E-03	1.66E-03	0	1.66E-03	1.72E+04	1.10E+00	5.15E-02	0	5.15E-02	1.17E-02	0	1.17E-02	7.4E-3	1.7E-3	1.22E-03	2.77E-04	2.0E-3	4.6E-4	8.7E-3	2.0E-3	0.01	1	0.00065	0.0065
1024-57-3	Unnamed Branch	PEST	Heptachlor epoxide	1.31E-03	0	4.95E-04	4.95E-04	9.83E+03	6.08E-01	0	3.27E-03	3.27E-03	0	1.24E-03	1.24E-03	5.0E-4	1.9E-4	2.48E-04	9.45E-05	9.1E-5	3.5E-5	6.0E-4	2.3E-4	0.01	1	0.00065	0.0065
72-43-5	Unnamed Branch	PEST	Methoxychlor	6.03E-03	0	1.17E-03	1.17E-03	2.79E+03	1.20E+00	0	1.51E-02	1.51E-02	0	2.93E-03	2.93E-03	2.3E-3	4.4E-4	1.08E-03	2.11E-04	4.0E-4	7.8E-5	2.7E-3	5.2E-4	4	8	--	--
130498-29-2H	Unnamed Branch	SVOC	PAHs (High MW)	6.98E-02	0	7.23E-03	7.23E-03	5.00E+02	2.72E-01	0	1.74E-01	1.74E-01	0	1.81E-02	1.81E-02	2.7E-2	2.9E-3	1.53E-02	1.67E-03	6.1E-3	6.6E-4	3.6E-2	3.7E-3	0.615	3.07	2	20
130498-29-2L	Unnamed Branch	SVOC	PAHs (Low MW)	2.32E-02	0	2.05E-03	2.05E-03	5.00E+02	2.72E-01	0	5.80E-02	5.80E-02	0	5.13E-03	5.13E-03	9.1E-3	8.1E-4	5.10E-03	4.67E-04	2.6E-3	4.2E-4	1.2E-2	1.1E-3	65.6	328	1653	16530
108-95-2	Unnamed Branch	SVOC	Phenol	0	0	0	0	3.49E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.36	263.6	--	--
156-59-2	Unnamed Branch	VOC	cis-1,2-Dichloroethene	1.30E-02	9.19E-04	6.53E-04	1.57E-03	8.06E+00	0	4.64E-02	0	4.64E-02	4.86E-03	0	4.86E-03	7.9E-3	8.3E-4	5.97E-03	6.64E-04	2.0E-3	2.4E-4	1.0E-2	1.1E-3	45.2	450.2	--	--

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Green Heron				Little Brown Bat				Mallard Duck				Mink			
				Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7440-36-0	Bee Tree Creek	INORG	Antimony	--	--	--	--	0.8	0.08	0.5	0.05	--	--	--	--	0.3	0.03	0.2	0.02
7440-38-2	Bee Tree Creek	INORG	Arsenic	0.003	0.001	0.003	0.001	0.04	0.02	0.04	0.02	0.007	0.003	0.006	0.003	0.01	0.009	0.01	0.009
7440-39-3	Bee Tree Creek	INORG	Barium	0.02	0.008	0.01	0.007	0.02	0.01	0.01	0.008	0.02	0.01	0.02	0.008	0.02	0.01	0.02	0.01
7440-41-7	Bee Tree Creek	INORG	Beryllium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	Bee Tree Creek	INORG	Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	Bee Tree Creek	INORG	Chromium	0.06	0.01	0.03	0.006	0.3	0.01	0.1	0.006	0.08	0.01	0.05	0.008	0.2	0.008	0.1	0.005
7440-48-4	Bee Tree Creek	INORG	Cobalt	0.002	0.001	0.002	0.0008	0.008	0.003	0.006	0.002	0.002	0.001	0.002	0.0008	0.009	0.003	0.007	0.003
7440-50-8	Bee Tree Creek	INORG	Copper	0.009	0.003	0.008	0.003	0.03	0.02	0.03	0.02	0.02	0.008	0.02	0.007	0.02	0.01	0.02	0.009
7439-92-1	Bee Tree Creek	INORG	Lead	0.02	0.01	0.01	0.007	0.04	0.02	0.03	0.01	0.04	0.02	0.03	0.01	0.02	0.01	0.01	0.007
7439-96-5	Bee Tree Creek	INORG	Manganese	0.006	0.003	0.006	0.003	0.06	0.02	0.06	0.02	0.008	0.004	0.007	0.003	0.07	0.02	0.06	0.02
7440-02-0	Bee Tree Creek	INORG	Nickel	0.007	0.002	0.005	0.002	0.2	0.09	0.1	0.07	0.02	0.006	0.01	0.005	0.06	0.03	0.05	0.02
7782-49-2	Bee Tree Creek	INORG	Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	Bee Tree Creek	INORG	Silver	0.0006	0.00002	0.0003	0.000008	0.02	0.002	0.01	0.001	0.001	0.00004	0.001	0.00002	0.008	0.0008	0.004	0.0004
7440-62-2	Bee Tree Creek	INORG	Vanadium	0.2	0.1	0.2	0.1	0.04	0.02	0.04	0.02	0.2	0.09	0.2	0.08	0.06	0.03	0.06	0.03
7440-66-6	Bee Tree Creek	INORG	Zinc	0.01	0.004	0.008	0.003	0.1	0.03	0.1	0.02	0.05	0.02	0.04	0.02	0.006	0.002	0.005	0.001
121-82-4	Bee Tree Creek	Nitroaromatics	RDX	0.000007	0.000003	0.00004	0.00002	0.00004	0.00002	0.0003	0.0001	0.000003	0.000001	0.000029	0.00001	0.00004	0.00002	0.00048	0.0002
118-96-7	Bee Tree Creek	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	Bee Tree Creek	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	Bee Tree Creek	PEST	beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58-89-9	Bee Tree Creek	PEST	Lindane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	Bee Tree Creek	PEST	Chlordane (total)	0.003	0.0006	0.0006	0.0001	0.0002	0.0001	0.00006	0.00003	0.0003	0.00006	0.0001	0.00001	0.002	0.0008	0	0.0002
72-54-8	Bee Tree Creek	PEST	4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	Bee Tree Creek	PEST	4,4'-DDT	0.0004	0.00004	0.0002	0.00002	0.0003	0.00007	0.0002	0.00003	0.00009	0.000009	0.00004	0.000004	0.0008	0.0002	0.0004	0.00008
115-29-7	Bee Tree Creek	PEST	Endosulfan	0.00001	--	0.000006	--	0.0003	--	0.0002	--	0.000002	--	0.000001	--	0.0008	--	0.0005	--
72-20-8	Bee Tree Creek	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76-44-8	Bee Tree Creek	PEST	Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	Bee Tree Creek	PEST	Heptachlor epoxide	0.03	0.003	0.05	0.005	0.001	0.00001	0.002	0.00002	0.006	0.0006	0.009	0.0009	0.003	0.00003	0.004	0.00004
72-43-5	Bee Tree Creek	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	Bee Tree Creek	SVOC	PAHs (High MW)	0.08	0.008	0.02	0.002	0.1	0.03	0.03	0.006	0.02	0.002	0	0.0004	0.3	0.07	0.1	0.01
130498-29-2L	Bee Tree Creek	SVOC	PAHs (Low MW)	0.003	0.0003	0.0003	0.00003	0.05	0.009	0.005	0.0009	0.0007	0.00007	0.0001	0.000007	0.1	0.02	0	0.002
108-95-2	Bee Tree Creek	SVOC	Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	Bee Tree Creek	VOC	cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	Gregg Branch	INORG	Antimony	--	--	--	--	1	0.1	0.4	0.04	--	--	--	--	0.4	0.04	0.1	0.01
7440-38-2	Gregg Branch	INORG	Arsenic	0.006	0.003	0.003	0.001	0.08	0.05	0.04	0.03	0.01	0.007	0.01	0.004	0.03	0.02	0.02	0.01
7440-39-3	Gregg Branch	INORG	Barium	0.03	0.01	0.01	0.006	0.02	0.01	0.01	0.007	0.03	0.01	0.01	0.007	0.03	0.02	0.01	0.008
7440-41-7	Gregg Branch	INORG	Beryllium	--	--	--	--	0.07	0.05	0.01	0.009	--	--	--	--	0.02	0.02	0	0.003
7440-43-9	Gregg Branch	INORG	Cadmium	0.02	0.004	0.003	0.0006	0.5	0.05	0.07	0.007	0.09	0.02	0.02	0.003	0.03	0.003	0	0.0003
7440-47-3	Gregg Branch	INORG	Chromium	0.06	0.01	0.03	0.005	0.4	0.02	0.2	0.007	0.2	0.03	0.1	0.01	0.2	0.008	0.1	0.004
7440-48-4	Gregg Branch	INORG	Cobalt	0.003	0.001	0.002	0.0008	0.01	0.004	0.006	0.002	0.003	0.001	0.002	0.0008	0.01	0.004	0.01	0.003
7440-50-8	Gregg Branch	INORG	Copper	0.05	0.02	0.02	0.007	0.1	0.08	0.06	0.04	0.08	0.03	0.04	0.01	0.06	0.03	0.03	0.02
7439-92-1	Gregg Branch	INORG	Lead	0.01	0.007	0.008	0.004	0.03	0.01	0.02	0.008	0.03	0.01	0.02	0.009	0.01	0.007	0.01	0.004
7439-96-5	Gregg Branch	INORG	Manganese	0.02	0.01	0.007	0.003	0.2	0.08	0.08	0.03	0.04	0.02	0.01	0.006	0.2	0.06	0.1	0.02
7440-02-0	Gregg Branch	INORG	Nickel	0.009	0.003	0.005	0.002	0.2	0.1	0.1	0.06	0.02	0.008	0.01	0.004	0.09	0.04	0.04	0.02
7782-49-2	Gregg Branch	INORG	Selenium	0.06	0.03	0.02	0.009	0.6	0.4	0.2	0.2	0.2	0.08	0.1	0.03	0.3	0.2	0.1	0.06
7440-22-4	Gregg Branch	INORG	Silver	0.004	0.0001	0.0004	0.00001	0.1	0.01	0.01	0.001	0.01	0.0003	0.001	0.00002	0.05	0.005	0.01	0.0005
7440-62-2	Gregg Branch	INORG	Vanadium	0.5	0.2	0.2	0.1	0.1	0.05	0.05	0.03	0.5	0.3	0.3	0.1	0.1	0.06	0.1	0.03
7440-66-6	Gregg Branch	INORG	Zinc	0.008	0.003	0.006	0.002	0.09	0.02	0.08	0.02	0.04	0.02	0.03	0.01	0.004	0.001	0.002	0.0006
121-82-4	Gregg Branch	Nitroaromatics	RDX	0.0002	0.0001	0.00006	0.00003	0.003	0.001	0.0008	0.0003	0.0004	0.0002	0.0001	0.00006	0.002	0.0008	0.001	0.0002
118-96-7	Gregg Branch	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	Gregg Branch	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	Gregg Branch	PEST	beta-BHC	0.0001	0.00001	0.00002	0.000002	0.0001	0.00002	0.00002	0.000005	0.00001	0.000001	0	0.0000002	0.0008	0.0002	0.0001	0.00003
58-89-9	Gregg Branch	PEST	Lindane	0.00002	0.000002	0.000007	0.0000007	0.000002	0.0000002	0.0000009	0.00000009	0.000004	0.0000004	0.000001	0.0000001	0.000006	0.0000006	0.000002	0.0000002
57-74-9	Gregg Branch	PEST	Chlordane (total)	0.003	0.0006	0.0005	0.0001	0.0003	0.0001	0.00004	0.00002	0.0003	0.00006	0.0001	0.00001	0.002	0.0009	0	0.0001
72-54-8	Gregg Branch	PEST	4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	Gregg Branch	PEST	4,4'-DDT	0.001	0.0001	0.0003	0.00003	0.0009	0.0002	0.0002	0.00005	0.0002	0.00002	0.0001	0.000006	0.002	0.0004	0.001	0.0001
115-29-7	Gregg Branch	PEST	Endosulfan	0.00006	--	0.00001	--	0.002	--	0.0004	--	0.00001	--	0	--	0.005	--	0.001	--
72-20-8	Gregg Branch	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76-44-8	Gregg Branch	PEST	Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	Gregg Branch	PEST	Heptachlor epoxide	0.1	0.01	0.03	0.003	0.003	0.00003	0.001	0.00001	0.02	0.002	0.01	0.0006	0.008	0.00008	0.002	0.00002
72-43-5	Gregg Branch	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	Gregg Branch	SVOC	PAHs (High MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2L	Gregg Branch	SVOC	PAHs (Low MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	Gregg Branch	SVOC	Phenol	--	--	--	--	0.00007	0.000007	0.00001	0.000001	--	--	--	--	0.00006	0.000006	0.00001	0.000001
156-59-2	Gregg Branch	VOC	cis-1,2-Dichloroethene	--	--	--	--	0.0001	0.00001	0.000004	0.0000004	--	--	--	--	0.0002	0.00002	0	0.0000006
7440-36-0	POND1	INORG	Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	POND1	INORG	Arsenic	0.002	0.001	0.002	0.001	0.03	0.02	0.03	0.02	0.005	0.002	0.005	0.003	0.01	0.007	0.01	0.007
7440-39-3	POND1	INORG	Barium	0.01	0.007	0.01	0.007	0.01	0.009	0.01	0.009	0.02	0.008	0.02	0.008	0.02	0.01	0.02	0.01
7440-41-7	POND1	INORG	Beryllium	--	--	--	--	0.03	0.03	0.03	0.03	--	--	--	--	0.01	0.009	0.01	0.009
7440-43-9	POND1	INORG	Cadmium	0.008	0.002	0.008	0.002	0.2	0.02	0.2	0.02	0.04	0.01	0.04	0.01	0.01	0.001	0.01	0.001
7440-47-3	POND1	INORG	Chromium	0.02	0.003	0.02	0.003	0.08	0.003	0.08	0.003	0.03	0.004	0.03	0.004	0.06	0.003	0.06	0.003
7440-48-4	POND1	INORG	Cobalt	0.003	0.001	0.003	0.001	0.008	0.003	0.008	0.003	0.003	0.001	0.003	0.001	0.009	0.003	0.009	0.003
7440-50-8	POND1	INORG	Copper	0.01	0.004	0.01	0.004	0.04	0.02	0.04	0.02	0.03	0.009	0.03	0.009	0.02	0.01	0.02	0.01
7439-92-1	POND1	INORG	Lead	0.01	0.005	0.01	0.005	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.009	0.005	0.01	0.005
7439-96-5	POND1	INORG	Manganese	0.008	0.004	0.008	0.004	0.09	0.03	0.09	0.03	0.01	0.007	0.01	0.007	0.07	0.02	0.07	0.02
7440-02-0	POND1	INORG	Nickel	0.006	0.002	0.006	0.002	0.2	0.08	0.2	0.08	0.02	0.006	0.02	0.006	0.06	0.03	0.06	0.03

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Green Heron				Little Brown Bat				Mallard Duck				Mink			
				Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
7782-49-2	POND1	INORG	Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	POND1	INORG	Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	POND1	INORG	Vanadium	0.2	0.1	0.2	0.1	0.04	0.02	0.04	0.02	0.2	0.08	0.2	0.08	0.06	0.03	0.06	0.03
7440-66-6	POND1	INORG	Zinc	0.009	0.003	0.009	0.003	0.1	0.03	0.1	0.03	0.04	0.02	0.04	0.02	0.005	0.001	0.005	0.001
121-82-4	POND1	Nitroaromatics	RDX	0.0001	0.00005	0.0001	0.00006	0.002	0.0007	0.002	0.0007	0.0003	0.0001	0.0003	0.0001	0.001	0.0005	0.001	0.0005
118-96-7	POND1	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	POND1	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	POND1	PEST	beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58-89-9	POND1	PEST	Lindane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	POND1	PEST	Chlordane (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-54-8	POND1	PEST	4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	POND1	PEST	4,4'-DDT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	POND1	PEST	Endosulfan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-20-8	POND1	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76-44-8	POND1	PEST	Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	POND1	PEST	Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-43-5	POND1	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	POND1	SVOC	PAHs (High MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2L	POND1	SVOC	PAHs (Low MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	POND1	SVOC	Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	POND1	VOC	cis-1,2-Dichloroethene	--	--	--	--	0.000002	0.0000002	0.0000007	0.00000007	--	--	--	--	0.000003	0.0000003	0.000001	0.0000001
7440-36-0	POND2	INORG	Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	POND2	INORG	Arsenic	0.004	0.002	0.004	0.002	0.06	0.04	0.06	0.04	0.01	0.005	0.01	0.005	0.02	0.01	0.02	0.01
7440-39-3	POND2	INORG	Barium	0.02	0.009	0.02	0.009	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01
7440-41-7	POND2	INORG	Beryllium	--	--	--	--	0.03	0.02	0.03	0.02	--	--	--	--	0.01	0.009	0.01	0.009
7440-43-9	POND2	INORG	Cadmium	0.007	0.002	0.007	0.002	0.2	0.02	0.2	0.02	0.04	0.008	0.04	0.008	0.008	0.0008	0.008	0.0008
7440-47-3	POND2	INORG	Chromium	0.02	0.004	0.02	0.004	0.1	0.004	0.1	0.004	0.03	0.006	0.03	0.006	0.08	0.003	0.08	0.003
7440-48-4	POND2	INORG	Cobalt	0.002	0.001	0.002	0.001	0.007	0.003	0.007	0.003	0.002	0.001	0.002	0.001	0.008	0.003	0.008	0.003
7440-50-8	POND2	INORG	Copper	0.008	0.003	0.008	0.003	0.03	0.02	0.03	0.02	0.02	0.007	0.02	0.007	0.02	0.01	0.02	0.01
7439-92-1	POND2	INORG	Lead	0.01	0.007	0.01	0.007	0.03	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.01	0.007	0.01	0.007
7439-96-5	POND2	INORG	Manganese	0.006	0.003	0.006	0.003	0.06	0.02	0.06	0.02	0.01	0.005	0.01	0.005	0.05	0.02	0.05	0.02
7440-02-0	POND2	INORG	Nickel	0.006	0.002	0.006	0.002	0.2	0.08	0.2	0.08	0.01	0.005	0.01	0.005	0.06	0.03	0.06	0.03
7782-49-2	POND2	INORG	Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	POND2	INORG	Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	POND2	INORG	Vanadium	0.2	0.1	0.2	0.1	0.05	0.03	0.05	0.03	0.2	0.1	0.2	0.1	0.07	0.04	0.07	0.04
7440-66-6	POND2	INORG	Zinc	0.008	0.003	0.008	0.003	0.09	0.02	0.09	0.02	0.04	0.02	0.04	0.02	0.004	0.001	0.004	0.001
121-82-4	POND2	Nitroaromatics	RDX	0.000005	0.000002	0.00005	0.00002	0.00003	0.00001	0.0003	0.0001	0.000002	0.0000009	0.00003	0.00001	0.00003	0.00001	0.00049	0.0002
118-96-7	POND2	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	POND2	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	POND2	PEST	beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58-89-9	POND2	PEST	Lindane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	POND2	PEST	Chlordane (total)	0.0002	0.00003	0.0002	0.00003	0.00003	0.00002	0.00003	0.00002	0.00003	0.000006	0.00003	0.000006	0.00009	0.00004	0.00009	0.00004
72-54-8	POND2	PEST	4,4'-DDD	0.0007	0.00007	0.0007	0.00007	0.0005	0.0001	0.0005	0.0001	0.0001	0.00001	0.0001	0.00001	0.001	0.0003	0.001	0.0003
50-29-3	POND2	PEST	4,4'-DDT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	POND2	PEST	Endosulfan	0.00002	--	0.00002	--	0.0007	--	0.0007	--	0.000004	--	0.000004	--	0.002	--	0.002	--
72-20-8	POND2	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76-44-8	POND2	PEST	Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	POND2	PEST	Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-43-5	POND2	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	POND2	SVOC	PAHs (High MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2L	POND2	SVOC	PAHs (Low MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	POND2	SVOC	Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	POND2	VOC	cis-1,2-Dichloroethene	--	--	--	--	0.000004	0.0000004	0.000001	0.0000001	--	--	--	--	0.000007	0.0000007	0.000003	0.0000003
7440-36-0	POND3	INORG	Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-38-2	POND3	INORG	Arsenic	0.002	0.001	0.002	0.001	0.03	0.02	0.03	0.02	0.005	0.003	0.005	0.003	0.01	0.007	0.01	0.008
7440-39-3	POND3	INORG	Barium	0.01	0.006	0.01	0.006	0.01	0.007	0.01	0.007	0.01	0.007	0.01	0.007	0.01	0.008	0.01	0.008
7440-41-7	POND3	INORG	Beryllium	--	--	--	--	0.02	0.01	0.02	0.01	--	--	--	--	0.006	0.005	0.006	0.005
7440-43-9	POND3	INORG	Cadmium	0.005	0.001	0.005	0.001	0.1	0.01	0.1	0.01	0.03	0.007	0.03	0.007	0.006	0.0006	0.006	0.0006
7440-47-3	POND3	INORG	Chromium	0.02	0.003	0.02	0.003	0.07	0.003	0.07	0.003	0.02	0.004	0.02	0.004	0.05	0.002	0.05	0.002
7440-48-4	POND3	INORG	Cobalt	0.001	0.0006	0.001	0.0006	0.004	0.002	0.004	0.002	0.001	0.0006	0.001	0.0006	0.005	0.002	0.005	0.002
7440-50-8	POND3	INORG	Copper	0.004	0.001	0.004	0.001	0.02	0.01	0.02	0.01	0.01	0.004	0.01	0.004	0.009	0.005	0.009	0.005
7439-92-1	POND3	INORG	Lead	0.004	0.002	0.005	0.002	0.009	0.005	0.009	0.005	0.01	0.005	0.01	0.005	0.004	0.002	0.004	0.002
7439-96-5	POND3	INORG	Manganese	0.008	0.004	0.008	0.004	0.1	0.04	0.1	0.04	0.02	0.009	0.02	0.009	0.05	0.02	0.05	0.02
7440-02-0	POND3	INORG	Nickel	0.005	0.002	0.005	0.002	0.1	0.06	0.1	0.06	0.01	0.004	0.01	0.004	0.04	0.02	0.04	0.02
7782-49-2	POND3	INORG	Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-22-4	POND3	INORG	Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	POND3	INORG	Vanadium	0.1	0.07	0.1	0.07	0.03	0.02	0.03	0.02	0.1	0.06	0.1	0.06	0.04	0.02	0.04	0.02
7440-66-6	POND3	INORG	Zinc	0.007	0.003	0.007	0.003	0.08	0.02	0.08	0.02	0.04	0.01	0.04	0.01	0.003	0.0007	0.003	0.0007
121-82-4	POND3	Nitroaromatics	RDX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
118-96-7	POND3	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	POND3	PEST	Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
319-85-7	POND3	PEST	beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58-89-9	POND3	PEST	Lindane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57-74-9	POND3	PEST	Chlordane (total)	0.00008	0.00002	0.00008	0.00002	0.00002	0.000009	0.00002	0.000009	0.00001	0.000003	0.00001	0.000003	0.00004	0.00002	0.00004	0.00002
72-54-8	POND3	PEST	4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M7-4B: Aquatic Oriented Wildlife Food Web Model Calculations (Location-Specific, All Detections)
Chemtronics Site - Swannanoa, NC

				Green Heron				Little Brown Bat				Mallard Duck				Mink			
				Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL	Max/ NOAEL	Max/ LOAEL	Avg or UCL/ NOAEL	Avg or UCL/ LOAEL
CASRN	Area	Group	Chemical	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ	HQ
50-29-3	POND3	PEST	4,4'-DDT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115-29-7	POND3	PEST	Endosulfan	0.00002	--	0.00002	--	0.0005	--	0.0005	--	0.000003	--	0.000003	--	0.001	--	0.001	--
72-20-8	POND3	PEST	Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76-44-8	POND3	PEST	Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1024-57-3	POND3	PEST	Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72-43-5	POND3	PEST	Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2H	POND3	SVOC	PAHs (High MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130498-29-2L	POND3	SVOC	PAHs (Low MW)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108-95-2	POND3	SVOC	Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	POND3	VOC	cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-36-0	Unnamed Branch	INORG	Antimony	--	--	--	--	0.6	0.06	0.3	0.03	--	--	--	--	0.2	0.02	0.1	0.01
7440-38-2	Unnamed Branch	INORG	Arsenic	0.004	0.002	0.003	0.002	0.06	0.04	0.05	0.03	0.01	0.005	0.01	0.004	0.02	0.01	0.02	0.01
7440-39-3	Unnamed Branch	INORG	Barium	0.02	0.01	0.01	0.006	0.02	0.01	0.01	0.007	0.02	0.01	0.01	0.007	0.02	0.01	0.01	0.008
7440-41-7	Unnamed Branch	INORG	Beryllium	--	--	--	--	0.07	0.05	0.01	0.01	--	--	--	--	0.02	0.02	0	0.004
7440-43-9	Unnamed Branch	INORG	Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-47-3	Unnamed Branch	INORG	Chromium	0.06	0.01	0.03	0.005	0.3	0.01	0.2	0.006	0.1	0.02	0.1	0.01	0.2	0.009	0.1	0.003
7440-48-4	Unnamed Branch	INORG	Cobalt	0.003	0.001	0.002	0.0009	0.01	0.004	0.007	0.003	0.003	0.001	0.002	0.0009	0.01	0.005	0.01	0.003
7440-50-8	Unnamed Branch	INORG	Copper	0.01	0.004	0.009	0.003	0.05	0.03	0.03	0.02	0.03	0.01	0.02	0.007	0.03	0.02	0.02	0.01
7439-92-1	Unnamed Branch	INORG	Lead	0.02	0.01	0.01	0.007	0.04	0.02	0.02	0.01	0.05	0.02	0.03	0.01	0.02	0.01	0.01	0.007
7439-96-5	Unnamed Branch	INORG	Manganese	0.07	0.03	0.02	0.009	0.8	0.3	0.2	0.08	0.1	0.06	0	0.02	0.6	0.2	0.1	0.05
7440-02-0	Unnamed Branch	INORG	Nickel	0.007	0.003	0.004	0.001	0.2	0.09	0.1	0.05	0.02	0.006	0.01	0.004	0.07	0.03	0.04	0.02
7782-49-2	Unnamed Branch	INORG	Selenium	0.03	0.01	0.01	0.006	0.3	0.2	0.2	0.1	0.08	0.04	0.04	0.02	0.1	0.09	0.1	0.04
7440-22-4	Unnamed Branch	INORG	Silver	0.0005	0.00001	0.0003	0.000007	0.02	0.002	0.009	0.0009	0.001	0.00003	0.001	0.00001	0.006	0.0006	0.003	0.0003
7440-62-2	Unnamed Branch	INORG	Vanadium	0.3	0.1	0.2	0.08	0.06	0.03	0.04	0.02	0.3	0.2	0.2	0.09	0.07	0.04	0.05	0.02
7440-66-6	Unnamed Branch	INORG	Zinc	0.03	0.01	0.02	0.006	0.1	0.04	0.1	0.03	0.07	0.03	0.05	0.02	0.03	0.007	0.01	0.003
121-82-4	Unnamed Branch	Nitroaromatics	RDX	0.0004	0.0002	0.0002	0.00008	0.003	0.001	0.001	0.0005	0.0002	0.00008	0.0001	0.00004	0.002	0.001	0.001	0.0005
118-96-7	Unnamed Branch	Nitroaromatics	2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
309-00-2	Unnamed Branch	PEST	Aldrin	3	0.6	0.3	0.07	0.08	0.02	0.009	0.002	1	0.3	0	0.03	0.1	0.02	0	0.003
319-85-7	Unnamed Branch	PEST	beta-BHC	0.001	0.0001	0.0003	0.00003	0.002	0.0004	0.0006	0.0001	0.0002	0.00002	0	0.000005	0.006	0.001	0.002	0.0003
58-89-9	Unnamed Branch	PEST	Lindane	0.0001	0.00001	0.00002	0.000002	0.000007	0.0000007	0.000002	0.0000002	0.00001	0.000001	0	0.0000003	0.00003	0.000003	0.00001	0.0000007
57-74-9	Unnamed Branch	PEST	Chlordane (total)	0.0004	0.00008	0.0002	0.00003	0.00009	0.00004	0.00004	0.00002	0.00007	0.00001	0.00003	0.000006	0.0002	0.0001	0.0001	0.00005
72-54-8	Unnamed Branch	PEST	4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50-29-3	Unnamed Branch	PEST	4,4'-DDT	0.002	0.0002	0.0008	0.00008	0.002	0.0003	0.0006	0.0001	0.0004	0.00004	0.0002	0.00002	0.004	0.0008	0.001	0.0003
115-29-7	Unnamed Branch	PEST	Endosulfan	0.0002	--	0.00004	--	0.007	--	0.001	--	0.00004	--	0.00001	--	0.02	--	0	--
72-20-8	Unnamed Branch	PEST	Endrin	1	0.1	0.1	0.01	0.02	0.002	0.002	0.0002	0.09	0.009	0.01	0.001	0.1	0.01	0	0.001
76-44-8	Unnamed Branch	PEST	Heptachlor	10	1	3	0.3	0.1	0.001	0.03	0.0003	3	0.3	1	0.07	0.9	0.009	0.2	0.002
1024-57-3	Unnamed Branch	PEST	Heptachlor epoxide	0.8	0.08	0.3	0.03	0.02	0.0002	0.009	0.00009	0.1	0.01	0.1	0.005	0.06	0.0006	0.02	0.0002
72-43-5	Unnamed Branch	PEST	Methoxychlor	--	--	--	--	0.0003	0.0001	0.00005	0.00003	--	--	--	--	0.0007	0.0003	0.0001	0.00006
130498-29-2H	Unnamed Branch	SVOC	PAHs (High MW)	0.01	0.001	0.001	0.0001	0.02	0.005	0.003	0.0005	0.003	0.0003	0	0.00003	0.06	0.01	0.01	0.001
130498-29-2L	Unnamed Branch	SVOC	PAHs (Low MW)	0.000006	0.0000006	0.0000005	5E-08	0.00008	0.00002	0.000007	0.000001	0.000002	0.0000002	0	3E-08	0.0002	0.00004	0	0.000003
108-95-2	Unnamed Branch	SVOC	Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156-59-2	Unnamed Branch	VOC	cis-1,2-Dichloroethene	--	--	--	--	0.0001	0.00001	0.00001	0.000001	--	--	--	--	0.0002	0.00002	0	0.000002

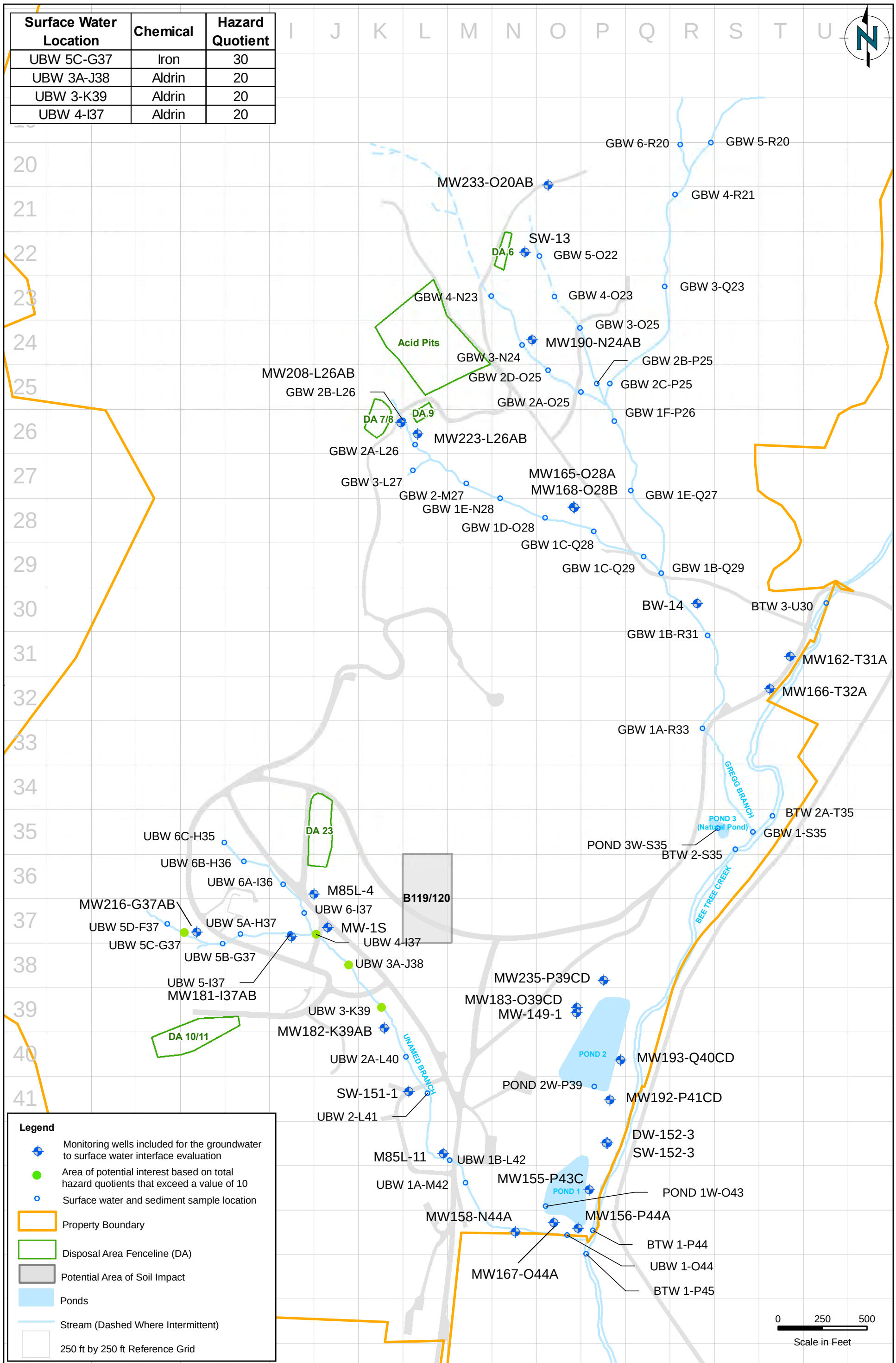
AVG	Average.
BCF	Bioconcentration factor.
BSAF	Biota sediment accumulation factor.
Freq	Frequency.
HQ	Hazard quotient.
LOAEL	Lowest observed adverse effects level.
MAX	Maximum.
mg/kg	Millligram per kilogram.
mg/kg ww	Milligram per kilogram of dry weight.
mg/kg-bw/day	Milligram per kilogram-body weight per day.
mg/L	Milligram per liter.
ND=1/2DL	Non detects are treated as 1/2 the detection level.
NOAEL	No observed adverse effects level.
SD	Sediment.
SW	Surface water.
TDI	Total daily intake.
TRV	Toxicity reference value.

M8 Contents: Qualitative Biological Assessment Field Data Sheets

Figure M8-1: Surface Water and Sediment Sample Locations

Field Data Sheets

Surface Water Location	Chemical	Hazard Quotient
UBW 5C-G37	Iron	30
UBW 3A-J38	Aldrin	20
UBW 3-K39	Aldrin	20
UBW 4-I37	Aldrin	20



ENVIRON

DRAWN BY: HMN | DATE: 2/12/2013

Surface Water and Sediment Sample Locations

Chemtronics Site, Swannanoa, North Carolina

Figure M8-1

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
50 COLLEGE STREET, ASHEVILLE, NC 28801
TEL. 828.281.3350 FAC .828.281.3351
www.altamontenvironmental.com

arrive 10^14

Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: BTW 1-P45
Date: 8/6/08
Project Number: 2115.54
Start Time: 10^14
Personnel: AB, KM
Sample Time: 10^21
Finish Time: 10:37
Sampling Team: RED
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
10^21	NA	21.26	6.69	0.045	85.9	6.34	1.42

Emergency Pickup Location: 2

COMMENTS:

Sample name: BTW 1-P45

Sampling Technician Name: Amy Bouchard

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number: BTW-LP45
Investigators: KM / AB
Stream name: Bee Tree
Date: _____ Time: _____ Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [x] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) root wad

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[x] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
~~adults~~	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

right handed snails

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: BTW 1- P44
Date: 8/6/08
Project Number: 2115.54
Start Time: 1044
Personnel: AB
AM
Sample Time: 1051
Finish Time: 1110
Sampling Team: RED
Weather: sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1051	NA	21.36	6.80	0.044	72.4	5.79	1.42

Emergency Pickup Location: 2

COMMENTS:

Sample name: BTW 1- P44

Sampling Technician Name: AMY BONDURANT

SIGNATURE:

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group name: RED County: Buncombe
Group ID number Topo Map
Site ID Number BTW 1-P44 Quadrant:
Investigators: KM/AB
Stream name Bee tree
Date: 08/6/08 Time: 10:44 Picture/Photo Documentation? yes / no
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [x] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] ~~leaf pack/woody debris~~
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) still pools w/ little influent due to low water level

NOTE: this area of stream does not have vegetated bank/stream edge or leaf litter

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

Other
limpet

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

N/A

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: BTW 1A-Q39
Date: 8/6/08
Project Number: 2115.54
Start Time: 1126
Personnel: AB
KM
Sample Time: 1135
Finish Time: 1146
Sampling Team: RED
Weather: Sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1135	NA	21.65	6.87	0.045	76.3	5.38	1.31

Emergency Pickup Location: 2

COMMENTS:

Sample name: BTW 1A-Q39

Sampling Technician Name: Amy Bandurant

SIGNATURE:

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group name: RED County: Buncombe

Group ID number Topo Map

Site ID Number BTW 1A-Q39 Quadrant:

Investigators:

Stream name Bee Tree

Date: 8/6/08 Time: 11:30 Picture/Photo Documentation? yes / no

Site/location Description: Chemtronics

Rain in last 24 hours

- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions

- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Notes – ~~not a good~~ area does not have vegetated undercut stream edge. not good habitat for dragonflies, damselflies for example

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:

- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:

- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

other limpet

*roach shredders! xisonychiids

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: BTW 2-S35

Date: 8/6/08
Start Time: 1210
Sample Time: 1218
Finish Time: 1231
Weather: sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1218	NA	21.85	6.59	0.045	85.9	4.61	2.01

Emergency Pickup Location: 2

COMMENTS:

Sample name: BTW 2-S35

Sampling Technician Name: Amy Bouchevant

SIGNATURE:

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group name: RED
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number: BTW 2 - S35
Investigators: AB/KM
Stream name: Bee Tree
Date: 8/6/08 Time: 12:12 Picture/Photo Documentation? yes / (no)
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

Note
no decomposing leaf packs w/i 50 ft of sampling site
no vegetated edges

orange (iron oxide?) deposits noted down river right
seep adjacent

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1-S35
Date: 8/6/08
Project Number: 2115.54
Start Time: 12:36
Personnel: AB/KM
Sample Time: 12:50
Finish Time: 13:00
Sampling Team: RED
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
12:50	NA	20.93	6.53	0.046	85.1	4.54	8.20

Emergency Pickup Location: 7

COMMENTS:

Sample name: GBW 1-S35

Sampling Technician Name: Katie Massie

SIGNATURE: Katie Massie

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group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number: ~~6~~ GBW 1-S35
Quadrant:
Investigators: AB / KM
Stream name: Gregg Branch
Date: 8/6/08 Time: 12:41 Picture/Photo Documentation? (yes) / no
Site/location Description: Chemtronics - above confluence w/ Bee Tree

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

* no leaf packs
* very slow flow
* lots of silt

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[ ] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

N/A Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

dr. mfly larvae/nymph found in silt underneath undercut bank river right

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB / KM
Sampling Team: RED

Sample ID: ~~GBW~~ 2A-T35
BTW

Date: 8/6/08
Start Time: ~~12~~ 13:05
Sample Time: 1310
Finish Time: 13:24
Weather: sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1310	N/A	22.97	6.62	0.045	96.4	4.53	1.70

Emergency Pickup Location: 7

COMMENTS:

Sample name: ~~GT~~ BTW- 2A-T35

Sampling Technician Name: Amy Bouchard

SIGNATURE:

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group name: RED
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number: BTW 2A-T35
Investigators: AB/KM
Stream name: Bee Tree
Date: 8/6/08 Time: 13:07 Picture/Photo Documentation? yes (no)
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Notes large rocks?
* no leaf packs w/ soft
* very little woody debris

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) — ~~bedroc~~ bedrock - large boulders? large rocks

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[x] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: BTW 3-U30
Date: 8/6/08
Project Number: 2115.54
Start Time: 1355
Personnel: AB
Sample Time: 1410
KM
Finish Time: 1419
Sampling Team: RED
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1410	NA	23.73	6.89	0.045	83.0	3.61	1.70

Emergency Pickup Location: 7

COMMENTS:

Sample name: BTW 3-U30

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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group name: RED County: Buncombe
Group ID number Topo Map
Site ID Number ~~B~~ BTW 3-U30 Quadrant:
Investigators: AB/KM
Stream name Bee Tree
Date: 8-6-08 Time: ~~13:~~ 14:05 Picture/Photo Documentation? yes / no
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

NA

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) root wad/system river right

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[x] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: POND 1W-043
Date: 8-6-08
Project Number: 2115.54
Start Time: 14:33
Personnel: AB / KM
Sample Time: 14:38
Finish Time: 14:45
Sampling Team: ~~AB~~ RED
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
14:38	gauge currently	28.49	7.47	0.058	39.2	2.85	2.84
	out of						
	water						

Emergency Pickup Location: 2

COMMENTS:

Sample name: POND 1W-043

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: POND 2W-P39

Date: 8/6/08
Start Time: ~~1350~~ 1516
Sample Time: 15:21
Finish Time: 1535
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
15:21	NA	29.77	9.05	0.048	17.7	3.01	3.19

Emergency Pickup Location: 3

COMMENTS:

Sample name: POND 2W-P39

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: POND 3W-S35
Date: 8/6/08
Project Number: 2115.54
Start Time: 1550
Personnel: KM
Sample Time: 1555
AB
Finish Time: 1605
Sampling Team: RED
Weather: sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1555	NA	22.38	5.87	0.049	71.8	1.93	3.20

Emergency Pickup Location: 7

COMMENTS:

Sample name: POND 3W-S35

Sampling Technician Name: Katie Massie

SIGNATURE: Katie Massie

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: UBW 1A-M42+20
Date: 8/6/08
Project Number: 2115.54
Start Time: 1725
Personnel: AB, KM
Sample Time: 1735
Finish Time: 1756
Sampling Team: RED
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1735	N/A	21.11	6.70	0.072	84.1	1.76	8.14

Emergency Pickup Location: 2

COMMENTS:

- Water slightly murky
- inflow source unclear (underground?)

Sample name: UBW 1A-M42+20

Sampling Technician Name: Amy Bondurant

SIGNATURE:

0

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group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number UBN 1A-M42+20
Quadrant:
Investigators: KM/AB
Stream name Unnamed branch
Date: 8-6-08 Time: ~~15:~~ 17:25 Picture/Photo Documentation? yes / (no)
Site/location Description: Chemtronics - unnamed branch

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

* very little water flowing

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae - red midge
[x] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[x] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[x] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

OTHER
Salamander

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: ~~CSW FV-3~~ VBW 1B-L42

Date: 8-6-08
Start Time: 18:00
Sample Time: 18:10
Finish Time:
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1810	NA	20.87	6.75	0.061	99.8	2.45	6.25

Emergency Pickup Location: 3

COMMENTS:

Water slightly murky

Sample name: ~~CSW FV-3~~ VBW 1B-L42

Sampling Technician Name: Katie Massie

SIGNATURE: Katie Massie

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group name: REO _____ County: Buncombe

Group ID number _____ Topo Map

Site ID Number ~~GSW-FV-3~~ UBW 1B-L42 Quadrant: _____

Investigators: AB/KM

Stream name Unnamed tributary

Date: 8-6-08 Time: 18 Picture/Photo Documentation? yes / no

Site/location Description: Chemtronics

Rain in last 24 hours

- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions

- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:

- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:

- [ ] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	~~[x] alderfly larvae~~	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: UBW 2-L41
Date: 8-6-08
Project Number: 2115.54
Start Time: 18:31
Personnel: AB
KM
Sample Time: 18:50
Finish Time:
Sampling Team: Red
Weather: sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1850	0.96	20.73	6.76	0.062	92.5	2.30	6.25

Emergency Pickup Location: 5

COMMENTS: Duplicate UBW 2-L411 1900
UBW 2-L41 MS 1920
UBW 2-L41 MSD 1928

Sample name: UBW 2-L41

Sampling Technician Name: Amy Bonduant

SIGNATURE:

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number UBW 2-L41
Quadrant:
Investigators: KM/AB
Stream name unnamed tributary
Date: 08-06-08 Time: 18:31 Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle — very little/low flow
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[x] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

Note
Samples collected from pool
habitat surveyed around pool edges & into riffle below pool

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: UBW 2A-L40

Date: 8/7/08
Start Time: 816
Sample Time: 826
Finish Time: 855
Weather: sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
8:26	NA	19.09	7.01	0.055	86.5	2.56	11.5

Emergency Pickup Location: 2

COMMENTS:

Sample name: UBW 2A-L40

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red
County: Buncombe
Group ID number
Topo Map
Site ID Number: UBW 2A-L40
Quadrant:
Investigators: AB/KM
Stream name: unnamed trib / unnamed branch
Date: 08-07-08 Time: 8:24 Picture/Photo Documentation? yes (no)
Site/location Description: Chemtronics

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails right handed	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

OTHER/NOTES
- river right bank very unstable
- rocks/cobbles w/ areas of heavy silt
- tons of adult mosquitoes
- low flow
- debris in stream primarily wood & pine needles
- EPT found, but in low #s

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RD

Sample ID: UBW 3-K39

Date: 8/7/08
Start Time: 901
Sample Time: 910
Finish Time: 927
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
910	0.78	17.76	6.34	0.063	106.5	2.25	2.52

Emergency Pickup Location: 2

COMMENTS:

Sample name: UBW 3-K39

Sampling Technician Name: Amy Bordurant

SIGNATURE:

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group name: Red
County: Buncombe
Group ID number
Topo Map
Site ID Number: UBW 3-K39
Quadrant:
Investigators: AB/KM
Stream name
Date: 8-7-08 Time: 8:34 Picture/Photo Documentation? yes / no
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles) in between rocks/ large cobbles
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

* slow flow
*

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[x] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* undercut bank but no dragon or damselfly larvae seen
* narrow stream down from large pool

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: UBW 3A-J38
Date: 8/7/08
Project Number: 2115.54
Start Time: 938
Personnel: AB
Sample Time: 952
KM
Finish Time: 1010
Sampling Team: RED
Weather: sunny clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
9:52	NA	18.86	6.83	0.067	102.5	1.81	39.4

Emergency Pickup Location: 3

COMMENTS:

- not a good sampling location - steep banks, difficult to access.
- low flow

Sample name: UBW 3A-J38

Sampling Technician Name: Amy Bondurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number: UBW 3A-J38
Investigators: AB/KM
Stream name: Unnamed Branch/trib
Date: 8-7-08 Time: ~~X~~ 9:45
Picture/Photo Documentation? yes (no)
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) large cobbles present

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[x] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

- low flow
- 50-100 ft upstream flow impeded/blocked by log

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB
KM
Sampling Team: RED

Sample ID: UBW 4-I37

Date: 8/7/08
Start Time: 1017
Sample Time: 1032
Finish Time: 1058
Weather: Sunny cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1032	1.0	18.93	6.44	0.086	85.6	2.11	5.11

Emergency Pickup Location: 3

COMMENTS:

- Strong chemical-like odor
- orange deposits/sediment coming out of culvert & is noted 50+feet downstream

Sample name: UBW 4-I37

Sampling Technician Name: Amy Bondurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red _____ County: Buncombe
Group ID number _____ Topo Map
Site ID Number UBW 4-I37 Quadrant: _____
Investigators: AB/KM
Stream name Unnamed Branch/trib
Date: 8-7-08 Time: _____ Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) cobble/larger cobble in between silty areas

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[ ] caddisfly	[ ] beetle larvae	[x] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[ ] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
* saw one larva	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

NOTES

* surveyed downstream of large pool below culvert
* orange deposits noted in culvert downstream
* stream had chemical-like, non-organic odor
* no snails observed

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1A-R33
Date: 8/7/08
Project Number: 2115.54
Start Time: 1156
Personnel: KM, AB
Sample Time: 1205
Finish Time: 1220
Sampling Team: RED
Weather: Cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1205	NA	20.95	6.83	0.0049	95.1	1.18	9.00

Emergency Pickup Location: 47

COMMENTS:

Staff gauge completely out of water and in main thalweg
very low flow at this location

Sample name: GBW 1A-R33

Sampling Technician Name: Amy Bandurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number: GBW 1A-R33
Quadrant:
Investigators: AB/KM
Stream name: Gregg Branch
Date: 8-7-08 Time: 12:00 Picture/Photo Documentation? yes / (no)
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [x] partly cloudy
- [ ] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

~~Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.~~

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

*salamander observed by AB

*stream obviously low but flow still fast enough to maintain ripple-pool steps.

*lots of diversity in EPT taxa found here as compared to other sites

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1B · R31
Date: 8/7/08
Project Number: 2115.54
Start Time: 1324
Personnel: AB, KM
Sample Time: 1330
Finish Time: 1345
Sampling Team: RED
Weather: cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1330	NA	20.41	6.83	0.050	104.3	0.87	4.08

Emergency Pickup Location: 7

COMMENTS:

Sample name: GBW 1B · R31

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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group name: red _____ County: Buncombe

Group ID number _____ Topo Map

Site ID Number GBW 1B-R31 Quadrant: _____

Investigators: AB

Stream name Gregg Branch

Date: 8-7-08 Time: 1340 Picture/Photo Documentation? yes / no

Site/location Description: _____

Rain in last 24 hours

☐ heavy rain ☐ steady rain
☐ intermittent rain ☐ none

Present conditions

☐ heavy rain ☐ steady rain ☐ intermittent rain
☑ overcast ☐ partly cloudy ☐ clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

N/A

(check all that apply)

Method used:

☐ Muddy Bottom
☐ Rocky Bottom

Habitat selected for sampling:

☑ riffle
☐ leaf pack/woody debris
☑ streambed with silty area (very fine particles)
☐ streambed with sand or small gravel
☐ vegetated bank
☐ other (specify)

- lots of cobbles, few boulders
- diversity of EPT taxa low
- straight pipe? or effluent pipe 30ft upstream

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
☑ caddisfly	☐ beetle larvae	☐ aquatic worms
☐ hellgrammite	☐ clams	☐ blackfly larvae
☑ mayfly nymphs	☐ crane fly larvae	☐ leeches
☐ gilled snails	☐ crayfish	☐ midge larvae
☐ riffle beetle adult	☐ damselfly nymphs	☐ pouch snails
☐ stonefly nymphs	☐ dragonfly nymphs	☑ midge pupae
☐ water penny larvae	☐ scuds	
	☐ sowbugs	
	☐ fishfly larvae	
	☐ alderfly larvae	
☐ # of letters times 3 =___	☐ # of letters times 2 =___	☐ # of letters times 1 =___

Now add together the three index values = _____ total index value

N/A The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

☐ Excellent (>22) ☐ Good (17-22) ☐ Fair (11-16) ☐ Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1B-Q29
Date: 8/7/08
Project Number: 2115.54
Start Time: 1403
Personnel: AB, KM
Sample Time: 1411
Finish Time: 1426
Sampling Team: FED
Weather: cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1411	0.56	20.23	6.45	0.0051	112.7	0.91	6.68

Emergency Pickup Location: 7

COMMENTS:

Sample name: GBW 1B-Q29

Sampling Technician Name: Amy Boudwent

SIGNATURE:

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group name: Red _____ County: Buncombe

Group ID number _____ Topo Map Quadrant: _____

Site ID Number ☒GBN 1B-029

Investigators: AB / KM

Stream name Gregg Branch

Date: 8-7-08 Time: 14:10 Picture/Photo Documentation? yes (no)

Site/location Description: _____

Rain in last 24 hours

☐ heavy rain ☐ steady rain
☐ intermittent rain ☐ none

Present conditions

☐ heavy rain ☐ steady rain ☐ intermittent rain
☑ overcast ☐ partly cloudy ☐ clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:

☐ Muddy Bottom
☐ Rocky Bottom

Habitat selected for sampling:

☑ riffle
☑ leaf pack/woody debris — not a lot of leaf packs/debris in stream
☐ streambed with silty area (very fine particles)
☐ streambed with sand or small gravel
☑ vegetated bank
☐ other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
☑ caddisfly	☐ beetle larvae	☐ aquatic worms
☐ hellgrammite	☐ clams	☐ blackfly larvae
☑ mayfly nymphs	☐ crane fly larvae	☐ leeches
☑ gilled snails	☐ crayfish	☑ midge larvae
☐ riffle beetle adult	☐ damselfly nymphs	☐ pouch snails
☐ stonefly nymphs	☑ dragonfly nymphs	
☐ water penny larvae	☐ scuds	
	☐ sowbugs	
	☐ fishfly larvae	
	☐ alderfly larvae	
☐ # of letters times 3 =___	☐ # of letters times 2 =___	☐ # of letters times 1 =___

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

☐ Excellent (>22) ☐ Good (17-22) ☐ Fair (11-16) ☐ Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1C-Q29
Date: ~~1500~~ 8/7/08
Project Number: 2115.54
Start Time: 1500
Personnel: AB, KM
Sample Time: 1515
Finish Time: 1540
Sampling Team: RED
Weather: partly cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1515	NA	18.44	6.79	0.046	93.2	1.03	4.41

Emergency Pickup Location: 7

COMMENTS:

- this site/sampling location was the only location upstream of the confluence of the tributaries of Gregg Branch with sufficient flow.
- All upstream locations are dry.

Sample name: GBW 1C-Q29

Sampling Technician Name: Amy Bondurant

SIGNATURE: [signature]

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number ~~0~~ GBW 1C-Q29
Investigators: AB/KM
Stream name Grega Branch
Date: 8-7-08 Time: 15:30 Picture/Photo Documentation? yes / no
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [x] overcast
- [ ] partly cloudy
- [ ] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

- creek almost dry
- could not sample further upstream

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: UBW 5 - I37
Date: 8/7/08
Project Number: 2115.54
Start Time: 1702
Personnel: AB, KM
Sample Time: 1710
Finish Time: 1730
Sampling Team: RED
Weather: cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1710	N/A	20.80	7.19	0.052	72.4	0.67	17

Emergency Pickup Location: 5

COMMENTS:
staff gauge unreadable covered by dirt/mud
below 1.0 due to no flow

Sample name: UBW 5 - I37

Sampling Technician Name: Amy Bonduraut

SIGNATURE:

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group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number: UBW 5-I37
Quadrant:
Investigators: AB/KM
Stream name: Unnamed Branch
Date: 8-7-08 Time: 17:10 Picture/Photo Documentation? yes (no)
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [x] overcast
- [ ] partly cloudy
- [ ] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[ ] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* stream barely flowing
* very muddy

* very tiny stonefly or mayfly - could not ID w/o handlens

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, EM
Sampling Team: RED

Sample ID: UBW 6-I37

Date: 8/7/08
Start Time: 1735
Sample Time: 1740
Finish Time: 1801
Weather: Cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1740	~~NA~~	20.25	6.77	0.119	62.8	1.00	117
	0.10						

Emergency Pickup Location: 5

COMMENTS:

stream flow @ sampling location incredibly low
very muddy, silty

Sample name: UBW 6-I37

Sampling Technician Name: Amy Bondurant

SIGNATURE: [signature]

0

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
County: Buncombe
Group ID number
Topo Map
Site ID Number 1 UBW 6-137
Quadrant:
Investigators: AB/KM
Stream name Unnamed Branch
Date: 8-7-08 Time: 17:40 Picture/Photo Documentation? yes / no
Site/location Description:

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [x] overcast
- [ ] partly cloudy
- [ ] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

N/A

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) rocks – (former riffle-like area in reg flow conditions?)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[ ] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

- stream @ very low flow
- water level low, few rocks submerged & lots of sediment/silt.

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: GBW 1D - Q29

Date: 8/8/08
Start Time: 821
Sample Time: 835
Finish Time: 921
Weather: partly sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
835	NA	17.44	6.51	0.051	123.3	5.85	~~117~~ last reading from 8/7
							4.13

Emergency Pickup Location: 8

COMMENTS:

Duplicate GBW 1D-Q299 (8:45)
GBW 1D-Q29-MS (9:00)
GBW 1D-Q29-MSD (9:10)

Sample name: GBW 1D-Q29

Sampling Technician Name: Amy Bowdurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED County: Buncombe
Group ID number Topo Map
Site ID Number GBW ID-029 Quadrant:
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 8:30 Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 1E-Q27
Date: 8/8/08
Project Number: 2115.54
Start Time: 950
Personnel: KM
AB
Sample Time: 1008
Finish Time: 1015
Sampling Team: RED
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1008	NA	17.95	6.71	0.0050	119.1	5.03	5.09

Emergency Pickup Location:

COMMENTS:

Sample name: GBW 1E-Q27

Sampling Technician Name: Amy Bonduran t

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: RED
Group ID number
Site ID Number GBW 1E-Q27
Investigators: AB
Stream name Gregg Branch
Date: 8-8-08 Time: 10:00
Picture/Photo Documentation? yes / no
Site/location Description:

County: Buncombe
Topo Map Quadrant:

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

right-handed snail

* mayflies: just a couple of families

lots of microhabitats — very low diversity

No stoneflies

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: GBW 1F - P26

Date: 8/8/08
Start Time: 1023
Sample Time: 1035
Finish Time: 1050
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1035	0.36	18.31	6.62	0.051	116.7	4.34	5.69

Emergency Pickup Location:

COMMENTS:

Sample name: GBW 1F - P26

Sampling Technician Name: Amy Bondurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red
County: Buncombe
Group ID number
Topo Map Quadrant:
Site ID Number GBW 1F-P26
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 10:30 Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	[x] midge pupae
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

OTHER salamanders

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 2C-P25
Date: 8/8/08
Project Number: 2115.54
Start Time: 1119
Personnel: AB, KM
Sample Time: 1126
Finish Time: 1135
Sampling Team: LDD
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1126	N/A	18.79	6.79	0.043	109.7	3.67	7.78

Emergency Pickup Location:

COMMENTS:

Sample name: GBW 2C-P25

Sampling Technician Name: Amy Bordwant

SIGNATURE:

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group name: Red — County: Buncombe
Group ID number — Topo Map
Site ID Number GBW 2C-P25 — Quadrant:
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 11:20 Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [ ] vegetated bank
- [x] other (specify) normally a riffle

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae / pupae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* creek low & flow slow

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 2B-P25
Date: 8/8/08
Project Number: 2115.54
Start Time: 1138
Personnel: AB
Sample Time: 1148
KM
Finish Time: 1155
Sampling Team: RED
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1148	NA	18.26	4.83	0.040	107.7	3.39	12.8

Emergency Pickup Location:

COMMENTS:

Sample name: GBW 2B-P25

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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group name: Red — County: Buncombe
Group ID number — Topo Map
Site ID Number GBW 2B-P25 — Quadrant:
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 11:48 Picture/Photo Documentation? yes (no)
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae ~~pupae~~
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[x] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

only detritivores

* orange deposits/silt
* Clay - thick mud
* flow very low - perhaps why not seeing more EPT/sensitive

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 2A-025
Date: 8/8/08
Project Number: 2115.54
Start Time: 1335
Personnel: KM
Sample Time: 1348
AB
Finish Time:
Sampling Team: RED
Weather: Sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1348	~~1870~~	18.70	6.96	0.056	97.5	2.72	10.3
	~0.3						

Emergency Pickup Location:

COMMENTS:

Sample name: GBW 2A-025

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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group name: rcd — County: Buncombe
Group ID number — Topo Map —
Site ID Number GBW 2A-025 Quadrant:
Investigators: AB/KM
Stream name ~~Chemtronics~~ Gregg Branch
Date: 08-08-08 Time: 13:58 Picture/Photo Documentation? yes / no
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

- narrow stream
- flow looks substantially lower than normal conditions
- lots of mud

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 2D-025
Date: 8/8/08
Project Number: 2115.54
Start Time: 1420
Personnel: AB
Sample Time: 1430
KM
Finish Time: 1450
Sampling Team: RED
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1430	NA	19.37	7.13	0.058	87.0	2.59	17.3

Emergency Pickup Location: 8

COMMENTS:

Sample name: GBW 2D-025

Sampling Technician Name: Amy Bouduvant

SIGNATURE:

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group name: red — County: Buncombe
Group ID number — Topo Map
Site ID Number GBW 2D-025 Quadrant:
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 14:40 Picture/Photo Documentation? yes (no)
Site/location Description: Chemtronics - (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] intermittent rain
- [ ] steady rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] overcast
- [ ] steady rain
- [ ] partly cloudy
- [ ] intermittent rain
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	~~OTH~~ OTHER
	[ ] sowbugs	*Salamander
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* water level low
* flow = slow

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: GBW 3-N24

Date: 8/8/08
Start Time: 1510
Sample Time: 1520
Finish Time: 1533
Weather: cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1520	NA	19.76	7.33	0.057	76.3	2.84	15.8

Emergency Pickup Location: 10

COMMENTS: staff gauge is completely dry; very low flow + silty

Sample name: GBW 3-N24

Sampling Technician Name: Amy Bondurant

SIGNATURE: [signature]

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red — County: Buncombe
Group ID number — Topo Map —
Site ID Number GBW 3-N24 — Quadrant:
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: 15:20 Picture/Photo Documentation? yes / (no)
Site/location Description: Chemtronics - (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [x] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

~~Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.~~

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [ ] riffle
- [ ] leaf pack/woody debris
- [ ] streambed with silty area (very fine particles)
- [ ] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	Notes: very low flow - staff guage is completely dry
* only one mayfly observed	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 4-N23
Date: 8-8-08
Project Number: 2115.54
Start Time: 15:37
Personnel: AB
Sample Time: 15:45
KM
Finish Time: 16:10
Sampling Team: Red
Weather: Sunny, clear

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
15:45	NA	19.66	7.15	0.059	96.4	2.82	7.62

Emergency Pickup Location: 11

COMMENTS:

Sample name: GBW 4-N23

Sampling Technician Name: Amy Bondurant

SIGNATURE: [signature]

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No survey conducted @ this sampling location — inaccessible

group name: red — County: Buncombe
Group ID number — Topo Map
Site ID Number GBW 4-N23 Quadrant: —
Investigators: AB/KM
Stream name Gregg Branch
Date: 8-8-08 Time: _____ Picture/Photo Documentation? yes / no
Site/location Description: _____

Rain in last 24 hours
☐ heavy rain ☐ steady rain
☐ intermittent rain ☐ none

Present conditions
☐ heavy rain ☐ steady rain ☐ intermittent rain
☐ overcast ☐ partly cloudy ☐ clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.

(check all that apply)

Method used:
☐ Muddy Bottom
☐ Rocky Bottom

Habitat selected for sampling:
☐ riffle
☐ leaf pack/woody debris
☐ streambed with silty area (very fine particles)
☐ streambed with sand or small gravel
☐ vegetated bank
☐ other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
☐ caddisfly	☐ beetle larvae	☐ aquatic worms
☐ hellgrammite	☐ clams	☐ blackfly larvae
☐ mayfly nymphs	☐ crane fly larvae	☐ leeches
☐ gilled snails	☐ crayfish	☐ midge larvae
☐ riffle beetle adult	☐ damselfly nymphs	☐ pouch snails
☐ stonefly nymphs	☐ dragonfly nymphs	
☐ water penny larvae	☐ scuds	
	☐ sowbugs	
	☐ fishfly larvae	
	☐ alderfly larvae	
☐ # of letters times 3 =___	☐ # of letters times 2 =___	☐ # of letters times 1 =___

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

☐ Excellent (>22) ☐ Good (17-22) ☐ Fair (11-16) ☐ Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: GBW 3 - Q23

Date: 8/11/08
Start Time: 842
Sample Time: 848
Finish Time: 909
Weather: cloudy

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
848	N/A	16.27	10.77	0.045	101.7	5.49	7.37

Emergency Pickup Location: 8

COMMENTS:

Staff gauge covered by debris, channel has moved to new channel to the river left of the gauge. Considerably low flow.

Sample name: GBW 3-Q23

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red — County: Buncombe
Group ID number — Topo Map —
Site ID Number OBW 3-Q23 Quadrant: —
Investigators: KM/AB
Stream name Greys Branch
Date: 8-11-08 Time: 8:45 Picture/Photo Documentation? yes (no)
Site/location Description: Chemtronics - (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

~~Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.~~

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [x] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[x] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[x] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* flow low
* one channel not flowing crest gauge no longer in stream

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 4-R21
Date: 8/11/08
Project Number: 2115.54
Start Time: 915
Personnel: AB, KM
Sample Time: 925
Finish Time: 940
Sampling Team: RED
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
925	NA	16.82	6.53	0.043	114.8	3.46	10.3

Emergency Pickup Location: 8

COMMENTS:

Sample name: GBW 4-R21

Sampling Technician Name: Amy K Bondurant

SIGNATURE:

ALTAMONT ENVIRONMENTAL, INC.

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red — County: Buncombe
Group ID number — Topo Map
Site ID Number 4-R21 Quadrant: —
Investigators: KM/AB
Stream name Gregg Branch
Date: 8-11-08 Time: 9:25 Picture/Photo Documentation? yes / (no)
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ inches in last _____ hours/days

N/A

~~Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.~~

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris * not a lot of leaf debris in flow of H2O — stream level low
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[ ] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[x] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

* sampling location close to furthest upper reaches of stream
* very shaded/dark - possibly overlooked fauna on rocks

Now add together the three index values = _____ total index value

N/A

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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50 COLLEGE STREET, ASHEVILLE, NC 28801
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www.altamontenvironmental.com

Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Sample ID: GBW 5-R20
Date: 8/11/08
Project Number: 2115.54
Start Time: 1000
Personnel: AB, KM
Sample Time: 1010
Finish Time: 1039
Sampling Team: RED
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
10:10	<0.20	17.12	6.56	0.042	105.9	4.15	19.3

Emergency Pickup Location: 8

COMMENTS:

considerably low flow. Staff guage blocked by debris, <0.20 ft flowing @ guage.

Sample name: GBW 5-R20

Sampling Technician Name: Amy Bondurant

SIGNATURE:

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50 COLLEGE STREET, ASHEVILLE, NC 28801

group name: Red — County: Buncombe
Group ID number — Topo Map —
Site ID Number GBW 5-R20 Quadrant:
Investigators: KM/AB
Stream name Gregg Branch - ~~tributary~~ headwaters
Date: 8-11-08 Time: 10:10 Picture/Photo Documentation? yes (no)
Site/location Description: Chemtronics (BV)

Rain in last 24 hours
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] none

Present conditions
- [ ] heavy rain
- [ ] steady rain
- [ ] intermittent rain
- [ ] overcast
- [ ] partly cloudy
- [x] clear/sunny

Amount of rain, if known? _____ Inches in last _____ hours/days

N/A

~~Use letter codes (A=1-9, B=10-99, C=100 or more) to record the numbers of organisms found in a total sample. Then add up the number of letters in each column and multiply by the indicated value. The following columns are divided based on the organism's sensitivity to pollution.~~

(check all that apply)

Method used:
- [ ] Muddy Bottom
- [ ] Rocky Bottom

Habitat selected for sampling:
- [x] riffle
- [x] leaf pack/woody debris
- [x] streambed with silty area (very fine particles)
- [x] streambed with sand or small gravel
- [ ] vegetated bank
- [ ] other (specify)

SENSITIVE	SOMEWHAT-SENSITIVE	TOLERANT
[x] caddisfly	[ ] beetle larvae	[ ] aquatic worms
[ ] hellgrammite	[ ] clams	[ ] blackfly larvae
[x] mayfly nymphs	[ ] crane fly larvae	[ ] leeches
[x] gilled snails	[ ] crayfish	[ ] midge larvae
[ ] riffle beetle adult	[ ] damselfly nymphs	[ ] pouch snails
[ ] stonefly nymphs	[ ] dragonfly nymphs	
[ ] water penny larvae	[ ] scuds	
	[ ] sowbugs	
	[ ] fishfly larvae	
	[ ] alderfly larvae	
[ ] # of letters times 3 =___	[ ] # of letters times 2 =___	[ ] # of letters times 1 =___

OTHER NOTES
* salamander
* dark, shaded location
* most of leaf debris = rhododendron, which grew over the stream

N/A

Now add together the three index values = _____ total index value

The total index value will give you an indication of the water quality of your stream. Good water quality is indicated by a variety of different kinds of organisms, with no one kind making up the majority of the sample.

WATER QUALITY RATING

- [ ] Excellent (>22)
- [ ] Good (17-22)
- [ ] Fair (11-16)
- [ ] Poor (<11)

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www.altamontenvironmental.com

Surface Water Sampling Data Sheet

Project Name: Site Wide Sampling
Project Number: 2115.54
Personnel: AB, KM
Sampling Team: RED

Sample ID: ~~GBW 3025~~ 3-025

Date: 8/11/08
Start Time: 1046
Sample Time: 1055
Finish Time:
Weather: sunny

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1055	0.4	19.06	6.62	0.039	82.6	4.33	56.5

Emergency Pickup Location: 8

COMMENTS:

No habitat survey conducted @ this location – stream very low, very muddy & inaccessible within 50 ft of the area in which the surface water samples were collected.

Sample name: GBW 3025

Sampling Technician Name: Amy Bonduvant

SIGNATURE: [signature]

M9 Contents: Uncertainty Evaluation Information

Table M9-1A: Background Soil Hazard Quotients for Naturally Occurring Inorganics for the Plant and Invertebrate BERA Evaluation

Table M9-1B: Terrestrial Wildlife Food Web Model Calculations for Background Naturally Occurring Inorganics

Table M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)

Table M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)

Table M9-2C: Evaluation of Detection Limits for Surface Water

Table M9-2D: Evaluation of Detection Limits for Sediment

Table M9-2E: Evaluation of Detection Limits for Groundwater

Table M9-3A: pH Of Soil Samples

Table M9-3B: Co-Located pH and Aluminum Data

M9-1A: Background Soil HQs for Naturally Occuring Inorganics for the Plant and Invertibrate BERA Evaluation
Chemtronics Site - Swannanoa, NC

Group	Chemical	CASRN	2x Mean Background mg/kg	BERA Plant Criterion	BERA Plant Criterion Source	BERA Plant HQ	BERA Invert Criterion	BERA Invert Criterion Source	BERA Invert HQ
INORG	Aluminum	7429-90-5	69,317	NA	Based on pH	--	--	Based on pH	--
INORG	Antimony	7440-36-0	5.09	5	ORNL Plants	1	78	EcoSSL Inverts	0.07
INORG	Arsenic	7440-38-2	9.02	18	EcoSSL Plants	0.5	60	ORNL Inverts	0.2
INORG	Barium	7440-39-3	235.76	500	ORNL Plants	0.5	330	EcoSSL Inverts	0.7
INORG	Beryllium	7440-41-7	2.05	10	ORNL Plants	0.2	40	EcoSSL Inverts	0.05
INORG	Boron	7440-42-8	8.22	8.22	Background	1	20	ORNL Inverts	0.4
INORG	Cadmium	7440-43-9	3.08	32	EcoSSL Plants	0.1	140	EcoSSL Inverts	0.02
INORG	Chromium (total)	7440-47-3	60.33	180	DIV	0.3	180	DIV	0.3
INORG	Cobalt	7440-48-4	27.3	13	EcoSSL Plants	2	1,000	ORNL Inverts	0.03
INORG	Copper	7440-50-8	52.77	70	EcoSSL Plants	0.8	80	EcoSSL Inverts	0.7
INORG	Lead	7439-92-1	12.79	120	EcoSSL Plants	0.1	1,700	EcoSSL Inverts	0.008
INORG	Lithium	7439-93-2	12.12	12.1	Background	1	12.1	Background	1
INORG	Manganese	7439-96-5	1,127	220	EcoSSL Plants	5	450	EcoSSL Inverts	3
INORG	Mercury	7439-97-6	0.09	0.3	ORNL Plants	0.3	0.1	ORNL Inverts	0.9
INORG	Molybdenum	7439-98-7	1.96	2	ORNL Plants	1	200	ORNL Inverts	0.01
INORG	Nickel	7440-02-0	42.25	38	EcoSSL Plants	1	280	EcoSSL Inverts	0.2
INORG	Selenium	7782-49-2	5.23	0.52	EcoSSL Plants	10	4.1	EcoSSL Inverts	1
INORG	Silver	7440-22-4	3.15	560	EcoSSL Plants	0.006	50	ORNL Inverts	0.06
INORG	Strontium	7440-24-6	15.92	15.9	Background	1	15.9	Background	1
INORG	Thallium	7440-28-0	4.1	4.1	Background	1	4.1	Background	1
INORG	Tin	7440-31-5	5.26	50	ORNL Plants	0.1	2,000	ORNL Inverts	0.003
INORG	Titanium	7440-32-6	2,309	3,880	ORNL Inverts	0.6	1,000	ORNL Inverts	2
INORG	Vanadium	7440-62-2	107.7	108	Background	1	108	Background	1
INORG	Zinc	7440-66-6	89.55	160	EcoSSL Plants	0.6	120	EcoSSL Inverts	0.7

--	No value.
avg	Average.
Background	Background used as screening value.
Based on pH	Toxicity only in areas with strongly acid pH.
DIV	Dutch Intervention Value. http://www.esdat.net/Environmental%20Standards/Dutch/annexS_I2000Dutch%20Environmental%20Standards.pdf
EcoSSL Inverts	Ecological Soil Screening Levels for invertebrates, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
EcoSSL Plants	Ecological Soil Screening Levels for plants, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
HQ	Hazard quotient
mg/kg	Milligram per kilogram.
ORNL Inverts	ORNL. Efroymsson. 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on soil and litter invertebrates and heterotrophic processes. http://rais.ornl.gov/documents/tm126r21.pdf
ORNL Plants	ORNL. Efroymsson, 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on terrestrial plants. http://rais.ornl.gov/documents/tm85r3.pdf

0.1	HQ is between 0 and 1.
1	HQ = 1.
2	HQ is betweeen 2 and 10.

M9-1B: Terrestrial Wildlife Food Web Model Calculations (Background)
Chemtronics Site - Swannanoa, NC

CASRN	Group	Chemical	2x Mean BKG (mg/kg)	Uptake to TP	Uptake to TI	Uptake to PM	Terrestrial Plants (mg/kg ww)	Terrestrial Inverts (mg/kg ww)	Prey Mammals (mg/kg ww)	American Robin TDI (mg/kg-bw/d)	Screech Owl TDI (mg/kg-bw/d)	Deer Mouse TDI (mg/kg-bw/d)	Terrestrial Mink TDI (mg/kg-bw/d)	Short Tailed Shrew TDI (mg/kg-bw/d)
7429-90-5	INORG	Aluminum	6.93E+04	0	0	0	0	0	0	5.7E+3	0	9.3E+2	7.8E+2	9.4E+2
7440-36-0	INORG	Antimony	5.09E+00	ln(Cp) = 0.938 * ln(Cs) - 3.233	1.00E+00	Cm = 0.001 * 50 * Cd	2.7E-2	8.1E-1	4.1E-2	8.7E-1	1.3E-2	3.5E-1	1.6E-1	4.0E-1
7440-38-2	INORG	Arsenic	9.02E+00	3.75E-02	ln(Ci) = 0.706 * ln(Cs) - 1.421	ln(Cm) = 0.8188 * ln(Cs) - 4.8471	5.1E-2	1.8E-1	1.5E-2	8.6E-1	5.0E-3	2.0E-1	1.2E-1	2.0E-1
7440-39-3	INORG	Barium	2.36E+02	1.56E-01	9.10E-02	Cm = 0.00015 * 50 * Cd	5.5E+0	3.4E+0	2.6E-2	2.3E+1	8.4E-3	6.2E+0	3.0E+0	4.9E+0
7440-41-7	INORG	Beryllium	2.05E+00	ln(Cp) = 0.7345 * ln(Cs) - 0.5361	4.50E-02	Cm = 0.001 * 50 * Cd	1.6E-1	1.5E-2	7.4E-5	2.2E-1	2.4E-5	8.6E-2	2.5E-2	4.3E-2
7440-42-8	INORG	Boron	8.22E+00	0	0	0	0	0	0	6.8E-1	0	1.1E-1	9.2E-2	1.1E-1
7440-43-9	INORG	Cadmium	3.08E+00	ln(Cp) = 0.546 * ln(Cs) - 0.475	ln(Ci) = 0.795 * ln(Cs) + 2.114	ln(Cm) = 0.4723 * ln(Cs) - 1.2571	1.7E-1	3.2E+0	1.5E-1	2.0E+0	5.0E-2	1.2E+0	4.2E-1	1.4E+0
7440-47-3	INORG	Chromium	6.03E+01	4.10E-02	3.06E-01	ln(Cm) = 0.7338 * ln(Cs) - 1.4599	3.7E-1	3.0E+0	1.5E+0	6.7E+0	4.9E-1	1.9E+0	1.3E+0	2.2E+0
7440-48-4	INORG	Cobalt	2.73E+01	7.50E-03	1.22E-01	ln(Cm) = 1.307 * ln(Cs) - 4.4669	3.1E-2	5.3E-1	2.8E-1	2.6E+0	9.0E-2	5.6E-1	4.1E-1	6.2E-1
7440-50-8	INORG	Copper	5.28E+01	ln(Cp) = 0.394 * ln(Cs) + 0.668	5.15E-01	ln(Cm) = 0.1444 * ln(Cs) + 2.042	1.4E+0	4.3E+0	4.4E+0	7.1E+0	1.4E+0	2.6E+0	1.8E+0	3.0E+0
57-12-5	INORG	Cyanide	0 <BKG	--	--	--	0	0	0	0	0	0	0	0
7439-92-1	INORG	Lead	1.28E+01	ln(Cp) = 0.561 * ln(Cs) - 1.328	ln(Ci) = 0.807 * ln(Cs) - 0.218	ln(Cm) = 0.4422 * ln(Cs) + 0.0761	1.7E-1	1.0E+0	1.1E+0	1.6E+0	3.5E-1	5.7E-1	4.4E-1	7.0E-1
7439-93-2	INORG	Lithium	1.21E+01	0	0	0	0	0	0	1.0E+0	0	1.6E-1	1.4E-1	1.7E-1
7439-96-5	INORG	Manganese	1.13E+03	7.90E-02	ln(Ci) = 0.682 * ln(Cs) - 0.809	2.05E-02	1.3E+1	8.6E+0	7.4E+0	1.0E+2	2.4E+0	2.3E+1	1.5E+1	2.0E+1
7439-97-6	INORG	Mercury	9.20E-02	0	0	0	0	0	0	7.6E-3	0	1.2E-3	1.0E-3	1.3E-3
7439-98-7	INORG	Molybdenum	1.96E+00	0	0	0	0	0	0	1.6E-1	0	2.6E-2	2.2E-2	2.7E-2
7440-02-0	INORG	Nickel	4.23E+01	ln(Cp) = 0.748 * ln(Cs) - 2.223	2.00E-02	ln(Cm) = 0.4658 * ln(Cs) - 0.2462	2.7E-1	1.4E-1	1.4E+0	3.6E+0	4.7E-1	7.0E-1	7.3E-1	8.1E-1
14797-73-0	INORG	Perchlorate	0 <BKG	--	--	--	0	0	0	0	0	0	0	0
7782-49-2	INORG	Selenium	5.23E+00	ln(Cp) = 1.104 * ln(Cs) - 0.677	ln(Ci) = 0.733 * ln(Cs) - 0.075	ln(Cm) = 0.3764 * ln(Cs) - 0.4158	4.7E-1	5.0E-1	3.9E-1	8.4E-1	1.3E-1	4.0E-1	1.8E-1	3.4E-1
7440-22-4	INORG	Silver	3.15E+00	1.40E-02	2.05E+00	4.00E-03	6.6E-3	1.0E+0	4.0E-3	8.2E-1	1.3E-3	3.9E-1	1.5E-1	4.5E-1
7440-24-6	INORG	Strontium	1.59E+01	--	--	--	0	0	0	1.3E+0	0	2.1E-1	1.8E-1	2.2E-1
7440-28-0	INORG	Thallium	4.10E+00	0	0	0	0	0	0	3.4E-1	0	5.5E-2	4.6E-2	5.6E-2
7440-31-5	INORG	Tin	5.26E+00	0	0	0	0	0	0	4.4E-1	0	7.1E-2	5.9E-2	7.2E-2
7440-32-6	INORG	Titanium	2.31E+03	0	0	0	0	0	0	1.9E+2	0	3.1E+1	2.6E+1	3.1E+1
7440-62-2	INORG	Vanadium	1.08E+02	4.85E-03	4.20E-02	1.23E-02	7.8E-2	7.2E-1	4.2E-1	9.3E+0	1.4E-1	1.7E+0	1.4E+0	1.8E+0
7440-66-6	INORG	Zinc	8.96E+01	ln(Cp) = 0.554 * ln(Cs) + 1.575	ln(Ci) = 0.328 * ln(Cs) + 4.449	ln(Cm) = 0.0706 * ln(Cs) + 4.3632	8.7E+0	6.0E+1	3.5E+1	4.2E+1	1.1E+1	2.4E+1	1.3E+1	2.9E+1

This table summarizes HQs ≥ 1 for the background surface soil food web model.

Avg	Average
HQ	Hazard quotient
Max	Maximum
NA	Not applicable or TRV not available
UCL	Upper confidence limit

0.7	HQ is between 0 and 1
2	HQ is betweeen 2 and 10
70	HQ is between 11 and 100

M9-1B: Terrestrial Wildlife Food Web Model Calculations (Background)
Chemtronics Site - Swannanoa, NC

			Mammal TRV (mg/kg-bw/day)		Avian TRV (mg/kg-bw/day)		American Robin		Screech Owl		Deer Mouse		Terrestrial Mink		Short-Tailed Shrew	
CASRN	Group	Chemical	NOAEL	LOAEL	NOAEL	LOAEL	BKG/ NOAEL HQ	BKG/ LOAEL HQ	BKG/ NOAEL HQ	BKG/ LOAEL HQ	BKG/ NOAEL HQ	BKG/ LOAEL HQ	BKG/ NOAEL HQ	BKG/ LOAEL HQ	BKG/ NOAEL HQ	BKG/ LOAEL HQ
7429-90-5	INORG	Aluminum	NA	NA	NA	NA	--	--	--	--	--	--	--	--	--	--
7440-36-0	INORG	Antimony	0.059	0.59	--	--	--	--	--	--	6	0.6	3	0.3	7	0.7
7440-38-2	INORG	Arsenic	1.04	1.66	2.24	4.51	0.4	0.2	0.002	0.001	0.2	0.1	0.1	0.07	0.2	0.1
7440-39-3	INORG	Barium	51.8	82.7	20.8	41.7	1	0.6	0.0004	0.0002	0.1	0.07	0.06	0.04	0.09	0.06
7440-41-7	INORG	Beryllium	0.532	0.672	--	--	--	--	--	--	0.2	0.1	0.05	0.04	0.08	0.06
7440-42-8	INORG	Boron	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-43-9	INORG	Cadmium	0.77	7.7	1.47	6.35	1	0.3	0.03	0.008	2	0.2	0.5	0.05	2	0.2
7440-47-3	INORG	Chromium	2.4	58.2	2.66	15.6	3	0.4	0.2	0.03	0.8	0.03	0.5	0.02	0.9	0.04
7440-48-4	INORG	Cobalt	7.33	18.9	7.61	18.34	0.3	0.1	0.01	0.005	0.08	0.03	0.06	0.02	0.08	0.03
7440-50-8	INORG	Copper	5.6	9.34	4.05	12.1	2	0.6	0.4	0.1	0.5	0.3	0.3	0.2	0.5	0.3
57-12-5	INORG	Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-92-1	INORG	Lead	4.7	8.9	1.63	3.26	1	0.5	0.2	0.1	0.1	0.06	0.09	0.05	0.1	0.08
7439-93-2	INORG	Lithium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-96-5	INORG	Manganese	51.5	145.7	179	376.6	0.6	0.3	0.01	0.006	0.4	0.2	0.3	0.1	0.4	0.1
7439-97-6	INORG	Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7439-98-7	INORG	Molybdenum	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-02-0	INORG	Nickel	1.7	3.4	6.71	18.6	0.5	0.2	0.07	0.03	0.4	0.2	0.4	0.2	0.5	0.2
14797-73-0	INORG	Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7782-49-2	INORG	Selenium	0.143	0.215	0.29	0.579	3	1	0.4	0.2	3	2	1	0.8	2	2
7440-22-4	INORG	Silver	0.375	3.75	2.02	79.62	0.4	0.01	0.0007	0.00002	1	0.1	0.4	0.04	1	0.1
7440-24-6	INORG	Strontium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-28-0	INORG	Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-31-5	INORG	Tin	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-32-6	INORG	Titanium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7440-62-2	INORG	Vanadium	4.16	8.31	0.344	0.688	30	10	0.4	0.2	0.4	0.2	0.3	0.2	0.4	0.2
7440-66-6	INORG	Zinc	75.4	297.6	66.1	171.4	0.6	0.2	0.2	0.07	0.3	0.08	0.2	0.05	0.4	0.1

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
APDA789	APDA789B1S1	INORG	Selenium	7782-49-2	U	23.5		5.23	0.52	EcoSSL Plants	yes	50
APDA789	APDA789B1S1	INORG	Selenium	7782-49-2	U	23.6		5.23	0.52	EcoSSL Plants	yes	50
APDA789	APDA789B1S1	INORG	Selenium	7782-49-2	U	22.1		5.23	0.52	EcoSSL Plants	yes	40
APDA789	APDA789B1S1	INORG	Selenium	7782-49-2	U	11.5		5.23	0.52	EcoSSL Plants	yes	20
APDA789	APDA789B1S1	INORG	Selenium	7782-49-2	U	11.8	5.3625	5.23	0.52	EcoSSL Plants	yes	20
APDA789	APDA789B2S1	INORG	Selenium	7782-49-2	U	6.25		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B2S1	INORG	Selenium	7782-49-2	U	5.98		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B2S1	INORG	Selenium	7782-49-2	U	6.68		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B2S1	INORG	Selenium	7782-49-2	U	6.72		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B2S1	INORG	Selenium	7782-49-2	U	6.35		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	5.91		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	5.88		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	6.32		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	5.96		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	5.78		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B3S1	INORG	Selenium	7782-49-2	U	6.03		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	5.95		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	5.48		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	6.06	5.335	5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	5.99		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	5.99		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B4S1	INORG	Selenium	7782-49-2	U	6.06		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B5S1	INORG	Selenium	7782-49-2	U	6.33		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B5S1	INORG	Selenium	7782-49-2	U	6.51		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B5S1	INORG	Selenium	7782-49-2	U	6.33		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B5S1	INORG	Selenium	7782-49-2	U	5.56		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B5S1	INORG	Selenium	7782-49-2	U	5.54		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	5.6		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	5.94	5.015	5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	6.05	5.015	5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	6.04	5.015	5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	5.93		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B6S1	INORG	Selenium	7782-49-2	U	5.65		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	5.75		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	6.01		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	5.78		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	6.16		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	6.3		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1	INORG	Selenium	7782-49-2	U	5.35		5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1DUP	INORG	Selenium	7782-49-2	U	5.57	5.7775	5.23	0.52	EcoSSL Plants	yes	10
APDA789	APDA789B7S1DUP	INORG	Thallium	7440-28-0	U	35		4.1	4.1	Background	yes	9
APDA789	APDA789B7S1DUP	INORG	Thallium	7440-28-0	U	34.7		4.1	4.1	Background	yes	8
APDA789	APDA789B7S1DUP	INORG	Thallium	7440-28-0	U	32.6		4.1	4.1	Background	yes	8
APDA789	APDA789B7S1DUP	INORG	Thallium	7440-28-0	U	17.5	5.3625	4.1	4.1	Background	yes	4
APDA789	APDA789B7S1DUP	INORG	Molybdenum	7439-98-7	U	5.31	5.3625	1.96	2	ORNL Plants	yes	3
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	9.25		4.1	4.1	Background	yes	2

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	8.85		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	9.89		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	9.94		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	9.4		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	8.74		4.1	4.1	Background	yes	2
APDA789	APDA789B1S1	Nitroaromatics	Thallium	7440-28-0	U	8.7		4.1	4.1	Background	yes	2
APDA789	APDA789B1S1	Nitroaromatics	Thallium	7440-28-0	U	9.35		4.1	4.1	Background	yes	2
APDA789	APDA789B1S1	Nitroaromatics	Thallium	7440-28-0	U	8.82		4.1	4.1	Background	yes	2
APDA789	APDA789B2S1	Nitroaromatics	Thallium	7440-28-0	U	8.55		4.1	4.1	Background	yes	2
APDA789	APDA789B2S1	Nitroaromatics	Thallium	7440-28-0	U	8.92		4.1	4.1	Background	yes	2
APDA789	APDA789B3S1	Nitroaromatics	Thallium	7440-28-0	U	8.81		4.1	4.1	Background	yes	2
APDA789	APDA789B3S1	Nitroaromatics	Thallium	7440-28-0	U	8.11		4.1	4.1	Background	yes	2
APDA789	APDA789B3S1	Nitroaromatics	Thallium	7440-28-0	U	8.72		4.1	4.1	Background	yes	2
APDA789	APDA789B4S1	Nitroaromatics	Thallium	7440-28-0	U	7.71	4.55	4.1	4.1	Background	yes	2
APDA789	APDA789B4S1	Nitroaromatics	Thallium	7440-28-0	U	8.97	5.335	4.1	4.1	Background	yes	2
APDA789	APDA789B4S1	Nitroaromatics	Thallium	7440-28-0	U	8.86		4.1	4.1	Background	yes	2
APDA789	APDA789B5S1	Nitroaromatics	Thallium	7440-28-0	U	8.86		4.1	4.1	Background	yes	2
APDA789	APDA789B5S1	Nitroaromatics	Thallium	7440-28-0	U	8.96		4.1	4.1	Background	yes	2
APDA789	APDA789B5S1	Nitroaromatics	Thallium	7440-28-0	U	9.37		4.1	4.1	Background	yes	2
APDA789	APDA789B6S1	Nitroaromatics	Boron	7440-42-8	U	14		8.22	8.22	Background	yes	2
APDA789	APDA789B6S1	Nitroaromatics	Thallium	7440-28-0	U	9.64		4.1	4.1	Background	yes	2
APDA789	APDA789B6S1	Nitroaromatics	Thallium	7440-28-0	U	8.68		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1	Nitroaromatics	Thallium	7440-28-0	U	9.36		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1	Nitroaromatics	Thallium	7440-28-0	U	8.23		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1	Nitroaromatics	Thallium	7440-28-0	U	8.29		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1DUP	Nitroaromatics	Thallium	7440-28-0	U	8.79	5.015	4.1	4.1	Background	yes	2
APDA789	APDA789B7S1DUP	Nitroaromatics	Thallium	7440-28-0	U	8.95	5.015	4.1	4.1	Background	yes	2
APDA789	APDA789B7S1DUP	Nitroaromatics	Thallium	7440-28-0	U	8.93	5.015	4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	Nitroaromatics	Thallium	7440-28-0	U	7.92		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	Nitroaromatics	Thallium	7440-28-0	UJ	8.25	5.7775	4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	Nitroaromatics	Antimony	7440-36-0	UJ	12.1	5.3625	5.09	5	ORNL Plants	yes	2
APDA789	APDA789B1S1	SVOC	Antimony	7440-36-0	UJ	6.38		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B2S1	SVOC	Antimony	7440-36-0	UJ	6.11		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B3S1	SVOC	Molybdenum	7439-98-7	U	2.69		1.96	2	ORNL Plants	yes	1
APDA789	APDA789B4S1	SVOC	Antimony	7440-36-0	UJ	6.82		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B5S1	SVOC	Antimony	7440-36-0	UJ	6.86		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B6S1	SVOC	Antimony	7440-36-0	UJ	6.48		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B7S1	SVOC	Antimony	7440-36-0	U	6.03		5.09	5	ORNL Plants	yes	1
APDA789	APDA789B7S1DUP	SVOC	Molybdenum	7439-98-7	U	2.65		1.96	2	ORNL Plants	yes	1
APDA789	APDA789B8S1	SVOC	Antimony	7440-36-0	U	6		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Antimony	7440-36-0	U	6.45		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Antimony	7440-36-0	U	6.08		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Antimony	7440-36-0	U	5.9		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Antimony	7440-36-0	U	6.15		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Antimony	7440-36-0	U	6.08		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	INORG	Molybdenum	7439-98-7	U	2.67		1.96	2	ORNL Plants	yes	1

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B103	B103B1S1	INORG	Antimony	7440-36-0	U	5.59		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	UJ	6.02		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	U	5.32	4.55	5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	U	6.11		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	U	5.84		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	U	6.1		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	INORG	Antimony	7440-36-0	UJ	6.11		5.09	5	ORNL Plants	yes	1
B103	B103B3S1	INORG	Antimony	7440-36-0	UJ	6.18		5.09	5	ORNL Plants	yes	1
B103	B103B3S1	INORG	Boron	7440-42-8	U	12.3		8.22	8.22	Background	yes	1
B103	B103B3S1	INORG	Antimony	7440-36-0	UJ	6.46		5.09	5	ORNL Plants	yes	1
B103	B103B3S1	INORG	Boron	7440-42-8	U	8.59		8.22	8.22	Background	yes	1
B103	B103B3S1	INORG	Boron	7440-42-8	U	10.3		8.22	8.22	Background	yes	1
B103	B103B1S1	Nitroaromatics	Antimony	7440-36-0	U	6.64		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	5.99		5.09	5	ORNL Plants	yes	1
B103	B103B1S1	Nitroaromatics	Antimony	7440-36-0	U	6.46		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	5.68		5.09	5	ORNL Plants	yes	1
B103	B103B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	2.5		1.96	2	ORNL Plants	yes	1
B103	B103B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	5.65		5.09	5	ORNL Plants	yes	1
B103	B103B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	5.72		5.09	5	ORNL Plants	yes	1
B103	B103B3S1	Nitroaromatics	Antimony	7440-36-0	U	6.06	5.015	5.09	5	ORNL Plants	yes	1
B103	B103B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	2.67	5.015	1.96	2	ORNL Plants	yes	1
B103	B103B1S1	SVOC	Antimony	7440-36-0	U	6.17	5.015	5.09	5	ORNL Plants	yes	1
B103	B103B2S1	SVOC	Antimony	7440-36-0	U	6.16	5.015	5.09	5	ORNL Plants	yes	1
B103	B103B3S1	SVOC	Antimony	7440-36-0	UJ	5.9		5.09	5	ORNL Plants	yes	1
B104145	B104145B1S1	INORG	Molybdenum	7439-98-7	U	2.65		1.96	2	ORNL Plants	yes	1
B104145	B104145B1S1	INORG	Boron	7440-42-8	U	10.4		8.22	8.22	Background	yes	1
B104145	B104145B1S1	INORG	Antimony	7440-36-0	UJ	6.43		5.09	5	ORNL Plants	yes	1
B104145	B104145B1S1	INORG	Molybdenum	7439-98-7	U	2.89		1.96	2	ORNL Plants	yes	1
B104145	B104145B1S1	INORG	Antimony	7440-36-0	U	5.46		5.09	5	ORNL Plants	yes	1
B104145	B104145B1S1	INORG	Antimony	7440-36-0	UJ	6.07		5.09	5	ORNL Plants	yes	1
B104145	B104145B1S1DUP	INORG	Antimony	7440-36-0	U	5.69	5.7775	5.09	5	ORNL Plants	yes	1
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	U	8.36		8.22	8.22	Background	yes	1
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	U	11.5		8.22	8.22	Background	yes	1
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	U	10.7	5.3625	8.22	8.22	Background	yes	1
B104145	B104145B1S1DUP	INORG	Boron	7440-42-8	U	12	5.55	8.22	8.22	Background	yes	1
B104145	B104145B2S1	INORG	Boron	7440-42-8	U	9.35	5.55	8.22	8.22	Background	yes	1
B104145	B104145B2S1	INORG	Boron	7440-42-8	U	9.22	5.55	8.22	8.22	Background	yes	1
B104145	B104145B2S1	INORG	Boron	7440-42-8	U	11.2	5.55	8.22	8.22	Background	yes	1
B104145	B104145B2S1	INORG	Selenium	7782-49-2	U	2.42		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	INORG	Selenium	7782-49-2	U	2.36		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	INORG	Selenium	7782-49-2	U	2.34		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	INORG	Selenium	7782-49-2	U	2.1		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	INORG	Selenium	7782-49-2	U	1.93	5.55	5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	INORG	Selenium	7782-49-2	U	2.15	5.55	5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	INORG	Selenium	7782-49-2	U	1.3		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	INORG	Selenium	7782-49-2	U	1.33		5.23	0.52	EcoSSL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B104145	B104145B3S1	INORG	Selenium	7782-49-2	U	1.55		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	INORG	Selenium	7782-49-2	U	1.53		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	INORG	Selenium	7782-49-2	U	1.3		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	INORG	Selenium	7782-49-2	U	1.43		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	INORG	Selenium	7782-49-2	U	1.45		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	INORG	Selenium	7782-49-2	U	1.45		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.5		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.5		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.44		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.64		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.3		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	INORG	Selenium	7782-49-2	U	1.63	5.015	5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.72	5.3875	5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.37	5.55	5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.24		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.26		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	INORG	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.09		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.13		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.28		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	INORG	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	INORG	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1	Nitroaromatics	Selenium	7782-49-2	U	1.27		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1	Nitroaromatics	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1	Nitroaromatics	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1DUP	Nitroaromatics	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1DUP	Nitroaromatics	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1DUP	Nitroaromatics	Selenium	7782-49-2	U	1.13		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	Nitroaromatics	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	Nitroaromatics	Selenium	7782-49-2	U	1.04		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	Nitroaromatics	Selenium	7782-49-2	U	1.1		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	Nitroaromatics	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	Nitroaromatics	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	Nitroaromatics	Selenium	7782-49-2	U	1.21		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	Nitroaromatics	Selenium	7782-49-2	U	1		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	Nitroaromatics	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	Nitroaromatics	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	Nitroaromatics	Selenium	7782-49-2	U	1.21		5.23	0.52	EcoSSL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B104145	B104145B5S1	Nitroaromatics	Selenium	7782-49-2	U	1.23		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	Nitroaromatics	Selenium	7782-49-2	U	1.07		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	Nitroaromatics	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	Nitroaromatics	Selenium	7782-49-2	U	1.24		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	Nitroaromatics	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	Nitroaromatics	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	Nitroaromatics	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	Nitroaromatics	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B8S1	Nitroaromatics	Selenium	7782-49-2	U	1.19		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1	SVOC	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B1S1DUP	SVOC	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B2S1	SVOC	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B3S1	SVOC	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B4S1	SVOC	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B5S1	SVOC	Selenium	7782-49-2	U	1.07		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B6S1	SVOC	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B104145	B104145B7S1	SVOC	Selenium	7782-49-2	U	1.24		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.15		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.27		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.18	5.55	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B10S1	INORG	Selenium	7782-49-2	U	1.04	4.55	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B11S1	INORG	Selenium	7782-49-2	U	1.25	5.15	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B11S1	INORG	Selenium	7782-49-2	U	1.13		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B11S1	INORG	Selenium	7782-49-2	U	1.1		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B11S1	INORG	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B11S1	INORG	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.14		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.26		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.07		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.07		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.14		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B12S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.24		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.08		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B13S1	INORG	Selenium	7782-49-2	U	1.14		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.19		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B105139	B105139B14S1	INORG	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.26		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.27		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B1S1	INORG	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.11		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B2S1	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1	INORG	Selenium	7782-49-2	U	1.22		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1	INORG	Selenium	7782-49-2	U	1.21		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1	INORG	Selenium	7782-49-2	U	1.19		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1DUP	INORG	Selenium	7782-49-2	U	1.28		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1DUP	INORG	Selenium	7782-49-2	U	1.26		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1DUP	INORG	Selenium	7782-49-2	U	1.14		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B3S1DUP	INORG	Selenium	7782-49-2	U	1.16		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.19		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.21		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.18		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.25		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.25	5.015	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B4S1	INORG	Selenium	7782-49-2	U	1.27	5.015	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.17	5.015	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.12		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.13		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.21		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.17		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B5S1	INORG	Selenium	7782-49-2	U	1.08	5.7775	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B6S1	INORG	Selenium	7782-49-2	U	1.25	5.7775	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B6S1	INORG	Selenium	7782-49-2	U	0.97	5.7775	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B6S1	INORG	Selenium	7782-49-2	U	1.2		5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B6S1	INORG	Selenium	7782-49-2	U	1.1	5.8025	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B6S1	INORG	Selenium	7782-49-2	U	1.15	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.15	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.21	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.18	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.19	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.17	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B7S1	INORG	Selenium	7782-49-2	U	1.23	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B8S1	INORG	Selenium	7782-49-2	U	1.13	5.3625	5.23	0.52	EcoSSL Plants	no	--
B105139	B105139B8S1	INORG	Selenium	7782-49-2	U	1.17	5.55	5.23	0.52	EcoSSL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B105139	B105139B8S1	INORG	Boron	7440-42-8	U	7.94		8.22	8.22	Background	no	--
B105139	B105139B8S1	INORG	Thallium	7440-28-0	UJ	3.59		4.1	4.1	Background	no	--
B105139	B105139B9S1	INORG	Thallium	7440-28-0	UJ	3.49		4.1	4.1	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	7.13	5.55	8.22	8.22	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	6.5		8.22	8.22	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	5.37		8.22	8.22	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	5.74		8.22	8.22	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	5.41		8.22	8.22	Background	no	--
B105139	B105139B10S1	Nitroaromatics	Boron	7440-42-8	U	5.47		8.22	8.22	Background	no	--
B105139	B105139B10S1	Nitroaromatics	Boron	7440-42-8	U	5.35		8.22	8.22	Background	no	--
B105139	B105139B10S1	Nitroaromatics	Boron	7440-42-8	U	5.73		8.22	8.22	Background	no	--
B105139	B105139B11S1	Nitroaromatics	Boron	7440-42-8	U	5.91		8.22	8.22	Background	no	--
B105139	B105139B11S1	Nitroaromatics	Boron	7440-42-8	U	5.75		8.22	8.22	Background	no	--
B105139	B105139B11S1	Nitroaromatics	Boron	7440-42-8	U	5.49	5.015	8.22	8.22	Background	no	--
B105139	B105139B12S1	Nitroaromatics	Boron	7440-42-8	U	5.48	5.015	8.22	8.22	Background	no	--
B105139	B105139B12S1	Nitroaromatics	Boron	7440-42-8	U	5.38		8.22	8.22	Background	no	--
B105139	B105139B12S1	Nitroaromatics	Boron	7440-42-8	U	5.45		8.22	8.22	Background	no	--
B105139	B105139B13S1	Nitroaromatics	Boron	7440-42-8	U	5.72		8.22	8.22	Background	no	--
B105139	B105139B13S1	Nitroaromatics	Boron	7440-42-8	U	5.51	5.3625	8.22	8.22	Background	no	--
B105139	B105139B13S1	Nitroaromatics	Thallium	7440-28-0	U	2.29		4.1	4.1	Background	no	--
B105139	B105139B14S1	Nitroaromatics	Boron	7440-42-8	U	5.34		8.22	8.22	Background	no	--
B105139	B105139B14S1	Nitroaromatics	Boron	7440-42-8	U	5.25		8.22	8.22	Background	no	--
B105139	B105139B14S1	Nitroaromatics	Boron	7440-42-8	U	5.27		8.22	8.22	Background	no	--
B105139	B105139B1S1	Nitroaromatics	Boron	7440-42-8	U	5.33		8.22	8.22	Background	no	--
B105139	B105139B1S1	Nitroaromatics	Thallium	7440-28-0	U	2.43		4.1	4.1	Background	no	--
B105139	B105139B2S1	Nitroaromatics	Thallium	7440-28-0	U	2.41	5.015	4.1	4.1	Background	no	--
B105139	B105139B2S1	Nitroaromatics	Boron	7440-42-8	U	5.13		8.22	8.22	Background	no	--
B105139	B105139B2S1	Nitroaromatics	Boron	7440-42-8	U	5.25		8.22	8.22	Background	no	--
B105139	B105139B3S1	Nitroaromatics	Boron	7440-42-8	UJ	5.06	5.7775	8.22	8.22	Background	no	--
B105139	B105139B3S1	Nitroaromatics	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
B105139	B105139B3S1	Nitroaromatics	Thallium	7440-28-0	U	1.89		4.1	4.1	Background	no	--
B105139	B105139B3S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B3S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B3S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.93		4.1	4.1	Background	no	--
B105139	B105139B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.96		4.1	4.1	Background	no	--
B105139	B105139B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.86	5.335	4.1	4.1	Background	no	--
B105139	B105139B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
B105139	B105139B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.92		4.1	4.1	Background	no	--
B105139	B105139B6S1	Nitroaromatics	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B6S1	Nitroaromatics	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B6S1	Nitroaromatics	Thallium	7440-28-0	U	1.9		4.1	4.1	Background	no	--
B105139	B105139B7S1	Nitroaromatics	Thallium	7440-28-0	U	2.11		4.1	4.1	Background	no	--
B105139	B105139B7S1	Nitroaromatics	Thallium	7440-28-0	U	2.15		4.1	4.1	Background	no	--
B105139	B105139B7S1	Nitroaromatics	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B105139	B105139B8S1	Nitroaromatics	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
B105139	B105139B8S1	Nitroaromatics	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B8S1	Nitroaromatics	Thallium	7440-28-0	U	2.15		4.1	4.1	Background	no	--
B105139	B105139B9S1	Nitroaromatics	Thallium	7440-28-0	U	2.22		4.1	4.1	Background	no	--
B105139	B105139B9S1	Nitroaromatics	Thallium	7440-28-0	U	2.23		4.1	4.1	Background	no	--
B105139	B105139B9S1	Nitroaromatics	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B10S1	SVOC	Thallium	7440-28-0	U	2.13		4.1	4.1	Background	no	--
B105139	B105139B11S1	SVOC	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B12S1	SVOC	Thallium	7440-28-0	U	1.98		4.1	4.1	Background	no	--
B105139	B105139B13S1	SVOC	Thallium	7440-28-0	U	1.93		4.1	4.1	Background	no	--
B105139	B105139B14S1	SVOC	Thallium	7440-28-0	U	2.08		4.1	4.1	Background	no	--
B105139	B105139B1S1	SVOC	Thallium	7440-28-0	U	1.89		4.1	4.1	Background	no	--
B105139	B105139B2S1	SVOC	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B3S1	SVOC	Thallium	7440-28-0	U	2.01		4.1	4.1	Background	no	--
B105139	B105139B3S1DUP	SVOC	Thallium	7440-28-0	UJ	1.86		4.1	4.1	Background	no	--
B105139	B105139B4S1	SVOC	Thallium	7440-28-0	U	2.09		4.1	4.1	Background	no	--
B105139	B105139B5S1	SVOC	Thallium	7440-28-0	U	1.94		4.1	4.1	Background	no	--
B105139	B105139B6S1	SVOC	Thallium	7440-28-0	U	2.05		4.1	4.1	Background	no	--
B105139	B105139B7S1	SVOC	Thallium	7440-28-0	U	1.85	5.3875	4.1	4.1	Background	no	--
B105139	B105139B8S1	SVOC	Thallium	7440-28-0	U	1.98	5.3875	4.1	4.1	Background	no	--
B105139	B105139B9S1	SVOC	Thallium	7440-28-0	U	1.86	5.3875	4.1	4.1	Background	no	--
B106	B106B1S1	INORG	Thallium	7440-28-0	U	1.91	5.55	4.1	4.1	Background	no	--
B106	B106B1S1	INORG	Thallium	7440-28-0	U	2.1	5.55	4.1	4.1	Background	no	--
B106	B106B1S1	INORG	Boron	7440-42-8	U	4.32	5.55	8.22	8.22	Background	no	--
B106	B106B1S1	INORG	Thallium	7440-28-0	U	2	5.55	4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Thallium	7440-28-0	U	2.01	5.55	4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Thallium	7440-28-0	U	1.86	5.6175	4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Thallium	7440-28-0	U	1.98	5.6175	4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B106	B106B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B106	B106B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B106	B106B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.61		4.1	4.1	Background	no	--
B106	B106S2S1	Nitroaromatics	Thallium	7440-28-0	U	1.67		4.1	4.1	Background	no	--
B106	B106S2S1	Nitroaromatics	Thallium	7440-28-0	U	1.62		4.1	4.1	Background	no	--
B106	B106S2S1	Nitroaromatics	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B106	B106B1S1	SVOC	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B106	B106S2S1	SVOC	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.74		4.1	4.1	Background	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.54		4.1	4.1	Background	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.62		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.48		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.83		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.75	5.55	4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.71	5.335	4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.66	5.335	4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.69	5.335	4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.8	5.335	4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.69		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Boron	7440-42-8	U	3.06		8.22	8.22	Background	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.6		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.74		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B107	B107B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B107	B107B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B107	B107B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B107	B107B2S1	Nitroaromatics	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B107	B107B2S1	Nitroaromatics	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B107	B107B3S1	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107B3S1	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107B3S1	Nitroaromatics	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B107	B107B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B107	B107B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B107	B107B4S1	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.63		4.1	4.1	Background	no	--
B107	B107B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B107	B107B5S1	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B107	B107B6S1	Nitroaromatics	Thallium	7440-28-0	U	1.83		4.1	4.1	Background	no	--
B107	B107B6S1	Nitroaromatics	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B107	B107B6S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.738		1.96	2	ORNL Plants	no	--
B107	B107S1S1	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B107	B107S1S1	Nitroaromatics	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B107	B107S1S1	Nitroaromatics	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B107	B107B1S1	SVOC	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B107	B107B2S1	SVOC	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B107	B107B4S1	SVOC	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B107	B107B5S1	SVOC	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B107	B107B6S1	SVOC	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B107	B107S1S1	SVOC	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B108	B108B2S1	INORG	Thallium	7440-28-0	U	1.63		4.1	4.1	Background	no	--
B108	B108B2S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B108	B108B2S1	INORG	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B108	B108B2S1	INORG	Thallium	7440-28-0	U	1.84	5.015	4.1	4.1	Background	no	--
B108	B108S1S1	INORG	Molybdenum	7439-98-7	U	0.732	5.015	1.96	2	ORNL Plants	no	--
B108	B108S1S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B108	B108S1S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B108	B108S1S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	UJ	1.75		4.1	4.1	Background	no	--
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	UJ	1.67		4.1	4.1	Background	no	--
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	UJ	1.7		4.1	4.1	Background	no	--
B108	B108S1S1DUP	INORG	Thallium	7440-28-0	UJ	1.78		4.1	4.1	Background	no	--
B108	B108B2S1	Nitroaromatics	Thallium	7440-28-0	UJ	1.74		4.1	4.1	Background	no	--
B108	B108B2S1	Nitroaromatics	Thallium	7440-28-0	UJ	1.78		4.1	4.1	Background	no	--
B108	B108B2S1	Nitroaromatics	Thallium	7440-28-0	UJ	1.71		4.1	4.1	Background	no	--
B108	B108S1S1	Nitroaromatics	Thallium	7440-28-0	UJ	1.7		4.1	4.1	Background	no	--
B108	B108S1S1	Nitroaromatics	Thallium	7440-28-0	UJ	1.82		4.1	4.1	Background	no	--
B108	B108S1S1	Nitroaromatics	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B108	B108S1S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.67		4.1	4.1	Background	no	--
B108	B108S1S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B108	B108S1S1DUP	Nitroaromatics	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B108	B108B2S1	SVOC	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B108	B108S1S1	SVOC	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B108	B108S1S1DUP	SVOC	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.69	5.3625	4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.7	5.3625	4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.75	5.3625	4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	1.83	5.3625	4.1	4.1	Background	no	--
B109137	B109137B2S1	INORG	Thallium	7440-28-0	U	1.68	5.3625	4.1	4.1	Background	no	--
B109137	B109137B2S1	INORG	Thallium	7440-28-0	U	1.78	5.3875	4.1	4.1	Background	no	--
B109137	B109137B2S1	INORG	Thallium	7440-28-0	U	1.8	5.3875	4.1	4.1	Background	no	--
B109137	B109137B2S1	INORG	Antimony	7440-36-0	UJ	2.11	5.55	5.09	5	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B109137	B109137B2S1	INORG	Thallium	7440-28-0	U	1.82	5.55	4.1	4.1	Background	no	--
B109137	B109137B3S1	INORG	Thallium	7440-28-0	U	1.74	5.55	4.1	4.1	Background	no	--
B109137	B109137B3S1	INORG	Thallium	7440-28-0	U	1.65	5.6175	4.1	4.1	Background	no	--
B109137	B109137B3S1	INORG	Thallium	7440-28-0	U	1.81	5.6175	4.1	4.1	Background	no	--
B109137	B109137B3S1	INORG	Thallium	7440-28-0	U	1.75	5.6175	4.1	4.1	Background	no	--
B109137	B109137B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.78	5.6175	4.1	4.1	Background	no	--
B109137	B109137B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.73	5.6175	4.1	4.1	Background	no	--
B109137	B109137B1S1	Nitroaromatics	Thallium	7440-28-0	U	1.74	5.6175	4.1	4.1	Background	no	--
B109137	B109137B2S1	Nitroaromatics	Thallium	7440-28-0	U	1.76	5.6175	4.1	4.1	Background	no	--
B109137	B109137B2S1	Nitroaromatics	Thallium	7440-28-0	U	1.75	5.6175	4.1	4.1	Background	no	--
B109137	B109137B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.26		5.09	5	ORNL Plants	no	--
B109137	B109137B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.556		1.96	2	ORNL Plants	no	--
B109137	B109137B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.29		5.09	5	ORNL Plants	no	--
B109137	B109137B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.567		1.96	2	ORNL Plants	no	--
B109137	B109137B1S1	SVOC	Molybdenum	7439-98-7	U	0.524		1.96	2	ORNL Plants	no	--
B109137	B109137B2S1	SVOC	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B109137	B109BS1B	SVOC	Molybdenum	7439-98-7	U	0.6		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	INORG	Molybdenum	7439-98-7	U	0.603		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	INORG	Molybdenum	7439-98-7	U	0.57		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	INORG	Molybdenum	7439-98-7	U	0.517		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	INORG	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	INORG	Molybdenum	7439-98-7	U	0.506		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	INORG	Antimony	7440-36-0	UJ	1.3		5.09	5	ORNL Plants	no	--
B110111112	B110111112B2S1	INORG	Molybdenum	7439-98-7	U	0.573		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	INORG	Molybdenum	7439-98-7	U	0.54		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	INORG	Molybdenum	7439-98-7	U	0.524		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	INORG	Antimony	7440-36-0	UJ	1.25		5.09	5	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	INORG	Molybdenum	7439-98-7	U	0.549		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	INORG	Antimony	7440-36-0	UJ	1.27		5.09	5	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Molybdenum	7439-98-7	U	0.561		1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Antimony	7440-36-0	UJ	1.28		5.09	5	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Molybdenum	7439-98-7	U	0.562		1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Antimony	7440-36-0	UJ	1.3		5.09	5	ORNL Plants	no	--
B110111112	B110111112B3S1	INORG	Molybdenum	7439-98-7	U	0.571		1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	INORG	Molybdenum	7439-98-7	U	0.539		1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	INORG	Antimony	7440-36-0	UJ	1.33		5.09	5	ORNL Plants	no	--
B110111112	B110111112B4S1	INORG	Molybdenum	7439-98-7	U	0.585		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.528		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.523		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.509		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.505		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.53		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	INORG	Molybdenum	7439-98-7	U	0.529		1.96	2	ORNL Plants	no	--
B110111112	B110111112B6S1	INORG	Antimony	7440-36-0	U	1.26		5.09	5	ORNL Plants	no	--
B110111112	B110111112B6S1	INORG	Molybdenum	7439-98-7	U	0.554		1.96	2	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B110111112	B110111112B6S1	INORG	Antimony	7440-36-0	U	1.35		5.09	5	ORNL Plants	no	--
B110111112	B110111112B6S1	INORG	Molybdenum	7439-98-7	U	0.596		1.96	2	ORNL Plants	no	--
B110111112	B110111112B6S1	INORG	Molybdenum	7439-98-7	U	0.504		1.96	2	ORNL Plants	no	--
B110111112	B110111112B6S1	INORG	Antimony	7440-36-0	U	1.58		5.09	5	ORNL Plants	no	--
B110111112	B110111112B7S1	INORG	Molybdenum	7439-98-7	U	0.694		1.96	2	ORNL Plants	no	--
B110111112	B110111112B7S1	INORG	Antimony	7440-36-0	U	1.27		5.09	5	ORNL Plants	no	--
B110111112	B110111112B7S1	INORG	Molybdenum	7439-98-7	U	0.558		1.96	2	ORNL Plants	no	--
B110111112	B110111112B7S1	INORG	Molybdenum	7439-98-7	U	0.519		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.528		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.56		5.09	5	ORNL Plants	no	--
B110111112	B110111112B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.687		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.535		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.515		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.535		1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.519		1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.541		1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.524		1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.526		1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.526		1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.516		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.561		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.51		1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.511		1.96	2	ORNL Plants	no	--
B110111112	B110111112B6S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.529		1.96	2	ORNL Plants	no	--
B110111112	B110111112B6S1	Nitroaromatics	Antimony	7440-36-0	U	1.35		5.09	5	ORNL Plants	no	--
B110111112	B110111112B7S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.526		1.96	2	ORNL Plants	no	--
B110111112	B110111112B7S1	Nitroaromatics	Antimony	7440-36-0	U	1.3		5.09	5	ORNL Plants	no	--
B110111112	B110111112B7S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.572		1.96	2	ORNL Plants	no	--
B110111112	B110111112B1S1	SVOC	Molybdenum	7439-98-7	U	0.53	5.55	1.96	2	ORNL Plants	no	--
B110111112	B110111112B2S1	SVOC	Antimony	7440-36-0	U	1.28	5.15	5.09	5	ORNL Plants	no	--
B110111112	B110111112B2S1DUP	SVOC	Molybdenum	7439-98-7	U	0.563	5.15	1.96	2	ORNL Plants	no	--
B110111112	B110111112B3S1	SVOC	Molybdenum	7439-98-7	U	0.518	5.335	1.96	2	ORNL Plants	no	--
B110111112	B110111112B4S1	SVOC	Molybdenum	7439-98-7	U	0.505	5.335	1.96	2	ORNL Plants	no	--
B110111112	B110111112B5S1	SVOC	Molybdenum	7439-98-7	U	0.514	5.335	1.96	2	ORNL Plants	no	--
B110111112	B110111112B7S1	SVOC	Molybdenum	7439-98-7	U	0.546	5.335	1.96	2	ORNL Plants	no	--
B113	B113B10S1	INORG	Antimony	7440-36-0	UJ	1.28	5.335	5.09	5	ORNL Plants	no	--
B113	B113B10S1	INORG	Molybdenum	7439-98-7	U	0.563	5.335	1.96	2	ORNL Plants	no	--
B113	B113B10S1	INORG	Molybdenum	7439-98-7	U	0.545	5.335	1.96	2	ORNL Plants	no	--
B113	B113B10S1	INORG	Molybdenum	7439-98-7	U	0.517		1.96	2	ORNL Plants	no	--
B113	B113B10S1	INORG	Molybdenum	7439-98-7	U	0.508		1.96	2	ORNL Plants	no	--
B113	B113B11S1	INORG	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B113	B113B11S1	INORG	Molybdenum	7439-98-7	U	0.503		1.96	2	ORNL Plants	no	--
B113	B113B11S1	INORG	Antimony	7440-36-0	U	1.27		5.09	5	ORNL Plants	no	--
B113	B113B11S1	INORG	Molybdenum	7439-98-7	U	0.557		1.96	2	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B113	B113B11S1DUP	INORG	Molybdenum	7439-98-7	U	0.504		1.96	2	ORNL Plants	no	--
B113	B113B11S1DUP	INORG	Molybdenum	7439-98-7	U	0.51		1.96	2	ORNL Plants	no	--
B113	B113B11S1DUP	INORG	Antimony	7440-36-0	U	1.29		5.09	5	ORNL Plants	no	--
B113	B113B11S1DUP	INORG	Molybdenum	7439-98-7	U	0.567		1.96	2	ORNL Plants	no	--
B113	B113B1S1	INORG	Antimony	7440-36-0	U	1.32		5.09	5	ORNL Plants	no	--
B113	B113B1S1	INORG	Molybdenum	7439-98-7	U	0.582		1.96	2	ORNL Plants	no	--
B113	B113B1S1	INORG	Molybdenum	7439-98-7	U	0.514		1.96	2	ORNL Plants	no	--
B113	B113B1S1	INORG	Molybdenum	7439-98-7	U	0.537		1.96	2	ORNL Plants	no	--
B113	B113B1S1	INORG	Boron	7440-42-8	U	2.78		8.22	8.22	Background	no	--
B113	B113B1S1	INORG	Molybdenum	7439-98-7	U	0.558		1.96	2	ORNL Plants	no	--
B113	B113B2S1	INORG	Molybdenum	7439-98-7	U	0.544		1.96	2	ORNL Plants	no	--
B113	B113B2S1	INORG	Molybdenum	7439-98-7	U	0.546		1.96	2	ORNL Plants	no	--
B113	B113B2S1	INORG	Molybdenum	7439-98-7	U	0.547		1.96	2	ORNL Plants	no	--
B113	B113B2S1	INORG	Molybdenum	7439-98-7	U	0.522		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.514		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.513		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.501		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.529		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.535		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.526		1.96	2	ORNL Plants	no	--
B113	B113B3S1	INORG	Molybdenum	7439-98-7	U	0.567		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.531		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.532		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Antimony	7440-36-0	UJ	1.25		5.09	5	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.549		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.572		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.561		1.96	2	ORNL Plants	no	--
B113	B113B4S1	INORG	Molybdenum	7439-98-7	U	0.524		1.96	2	ORNL Plants	no	--
B113	B113B5S1	INORG	Boron	7440-42-8	U	2.75		8.22	8.22	Background	no	--
B113	B113B5S1	INORG	Molybdenum	7439-98-7	U	0.532		1.96	2	ORNL Plants	no	--
B113	B113B5S1	INORG	Boron	7440-42-8	U	2.26		8.22	8.22	Background	no	--
B113	B113B5S1	INORG	Molybdenum	7439-98-7	U	0.537		1.96	2	ORNL Plants	no	--
B113	B113B5S1	INORG	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B113	B113B6S1	INORG	Molybdenum	7439-98-7	U	0.545		1.96	2	ORNL Plants	no	--
B113	B113B6S1	INORG	Molybdenum	7439-98-7	U	0.569		1.96	2	ORNL Plants	no	--
B113	B113B7S1	INORG	Antimony	7440-36-0	UJ	1.25		5.09	5	ORNL Plants	no	--
B113	B113B7S1	INORG	Molybdenum	7439-98-7	U	0.548		1.96	2	ORNL Plants	no	--
B113	B113B7S1	INORG	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B113	B113B7S1	INORG	Molybdenum	7439-98-7	U	0.577		1.96	2	ORNL Plants	no	--
B113	B113B7S1	INORG	Antimony	7440-36-0	UJ	1.46		5.09	5	ORNL Plants	no	--
B113	B113B7S1	INORG	Molybdenum	7439-98-7	U	0.641		1.96	2	ORNL Plants	no	--
B113	B113B8S1	INORG	Antimony	7440-36-0	UJ	1.48		5.09	5	ORNL Plants	no	--
B113	B113B8S1	INORG	Molybdenum	7439-98-7	U	0.653		1.96	2	ORNL Plants	no	--
B113	B113B8S1	INORG	Antimony	7440-36-0	UJ	1.28		5.09	5	ORNL Plants	no	--
B113	B113B8S1	INORG	Antimony	7440-36-0	UJ	1.29		5.09	5	ORNL Plants	no	--
B113	B113B8S1	INORG	Antimony	7440-36-0	UJ	1.3		5.09	5	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B113	B113B8S1	INORG	Molybdenum	7439-98-7	U	0.571		1.96	2	ORNL Plants	no	--
B113	B113B8S1	INORG	Antimony	7440-36-0	UJ	1.48		5.09	5	ORNL Plants	no	--
B113	B113B9S1	INORG	Molybdenum	7439-98-7	U	0.653		1.96	2	ORNL Plants	no	--
B113	B113B9S1	INORG	Antimony	7440-36-0	U	1.53		5.09	5	ORNL Plants	no	--
B113	B113B9S1	INORG	Molybdenum	7439-98-7	U	0.673		1.96	2	ORNL Plants	no	--
B113	B113B9S1	INORG	Antimony	7440-36-0	U	1.54		5.09	5	ORNL Plants	no	--
B113	B113B10S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.675		1.96	2	ORNL Plants	no	--
B113	B113B10S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.585		1.96	2	ORNL Plants	no	--
B113	B113B10S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.52		1.96	2	ORNL Plants	no	--
B113	B113B11S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.519		1.96	2	ORNL Plants	no	--
B113	B113B11S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.27		5.09	5	ORNL Plants	no	--
B113	B113B11S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.558		1.96	2	ORNL Plants	no	--
B113	B113B11S1DUP	Nitroaromatics	Antimony	7440-36-0	UJ	1.28		5.09	5	ORNL Plants	no	--
B113	B113B11S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.561		1.96	2	ORNL Plants	no	--
B113	B113B11S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.539		1.96	2	ORNL Plants	no	--
B113	B113B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.26		5.09	5	ORNL Plants	no	--
B113	B113B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.554		1.96	2	ORNL Plants	no	--
B113	B113B1S1	Nitroaromatics	Antimony	7440-36-0	U	1.47		5.09	5	ORNL Plants	no	--
B113	B113B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.646		1.96	2	ORNL Plants	no	--
B113	B113B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B113	B113B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.27		5.09	5	ORNL Plants	no	--
B113	B113B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.56		1.96	2	ORNL Plants	no	--
B113	B113B3S1	Nitroaromatics	Antimony	7440-36-0	U	1.68		5.09	5	ORNL Plants	no	--
B113	B113B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B113	B113B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.523		1.96	2	ORNL Plants	no	--
B113	B113B4S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.37		5.09	5	ORNL Plants	no	--
B113	B113B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.602		1.96	2	ORNL Plants	no	--
B113	B113B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.546		1.96	2	ORNL Plants	no	--
B113	B113B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.545		1.96	2	ORNL Plants	no	--
B113	B113B5S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.523		1.96	2	ORNL Plants	no	--
B113	B113B6S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.52		1.96	2	ORNL Plants	no	--
B113	B113B6S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.509		1.96	2	ORNL Plants	no	--
B113	B113B7S1	Nitroaromatics	Antimony	7440-36-0	U	1.27		5.09	5	ORNL Plants	no	--
B113	B113B7S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.521		1.96	2	ORNL Plants	no	--
B113	B113B7S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.541		1.96	2	ORNL Plants	no	--
B113	B113B8S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.519		1.96	2	ORNL Plants	no	--
B113	B113B8S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.535		1.96	2	ORNL Plants	no	--
B113	B113B8S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.548		1.96	2	ORNL Plants	no	--
B113	B113B9S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.547		1.96	2	ORNL Plants	no	--
B113	B113B9S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.3		5.09	5	ORNL Plants	no	--
B113	B113B9S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.29		5.09	5	ORNL Plants	no	--
B113	B113B10S1	SVOC	Molybdenum	7439-98-7	U	0.522		1.96	2	ORNL Plants	no	--
B113	B113B11S1	SVOC	Molybdenum	7439-98-7	U	0.527		1.96	2	ORNL Plants	no	--
B113	B113B11S1DUP	SVOC	Molybdenum	7439-98-7	U	0.533		1.96	2	ORNL Plants	no	--
B113	B113B1S1	SVOC	Molybdenum	7439-98-7	U	0.544		1.96	2	ORNL Plants	no	--
B113	B113B2S1	SVOC	Molybdenum	7439-98-7	U	0.529		1.96	2	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B113	B113B3S1	SVOC	Antimony	7440-36-0	UJ	1.27		5.09	5	ORNL Plants	no	--
B113	B113B4S1	SVOC	Molybdenum	7439-98-7	U	0.56		1.96	2	ORNL Plants	no	--
B113	B113B5S1	SVOC	Antimony	7440-36-0	UJ	1.33		5.09	5	ORNL Plants	no	--
B113	B113B6S1	SVOC	Molybdenum	7439-98-7	U	0.585		1.96	2	ORNL Plants	no	--
B113	B113B7S1	SVOC	Molybdenum	7439-98-7	U	0.537		1.96	2	ORNL Plants	no	--
B113	B113B8S1	SVOC	Molybdenum	7439-98-7	U	0.503		1.96	2	ORNL Plants	no	--
B113	B113B9S1	SVOC	Antimony	7440-36-0	U	1.27	5.015	5.09	5	ORNL Plants	no	--
B114	B114B2S1	INORG	Antimony	7440-36-0	U	1.3	5.015	5.09	5	ORNL Plants	no	--
B114	B114B2S1	INORG	Molybdenum	7439-98-7	U	0.526	5.015	1.96	2	ORNL Plants	no	--
B114	B114B2S1	INORG	Molybdenum	7439-98-7	U	0.542	5.015	1.96	2	ORNL Plants	no	--
B114	B114B2S1	INORG	Antimony	7440-36-0	U	1.66	5.015	5.09	5	ORNL Plants	no	--
B114	B114B2S1DUP	INORG	Antimony	7440-36-0	UJ	1.43		5.09	5	ORNL Plants	no	--
B114	B114B2S1DUP	INORG	Molybdenum	7439-98-7	U	0.631		1.96	2	ORNL Plants	no	--
B114	B114B2S1DUP	INORG	Molybdenum	7439-98-7	U	0.573		1.96	2	ORNL Plants	no	--
B114	B114B2S1DUP	INORG	Antimony	7440-36-0	UJ	1.39		5.09	5	ORNL Plants	no	--
B114	B114B3S1	INORG	Molybdenum	7439-98-7	U	0.611		1.96	2	ORNL Plants	no	--
B114	B114B3S1	INORG	Molybdenum	7439-98-7	U	0.536		1.96	2	ORNL Plants	no	--
B114	B114B3S1	INORG	Molybdenum	7439-98-7	U	0.505		1.96	2	ORNL Plants	no	--
B114	B114B3S1	INORG	Molybdenum	7439-98-7	U	0.509		1.96	2	ORNL Plants	no	--
B114	B114B3S1	INORG	Molybdenum	7439-98-7	U	0.518		1.96	2	ORNL Plants	no	--
B114	B114B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.528		1.96	2	ORNL Plants	no	--
B114	B114B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.553		1.96	2	ORNL Plants	no	--
B114	B114B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.539		1.96	2	ORNL Plants	no	--
B114	B114B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.552		1.96	2	ORNL Plants	no	--
B114	B114B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.556		1.96	2	ORNL Plants	no	--
B114	B114B2S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.541		1.96	2	ORNL Plants	no	--
B114	B114B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.25		5.09	5	ORNL Plants	no	--
B114	B114B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.548		1.96	2	ORNL Plants	no	--
B114	B114B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.535		1.96	2	ORNL Plants	no	--
B114	B114B2S1	SVOC	Antimony	7440-36-0	UJ	1.44		5.09	5	ORNL Plants	no	--
B114	B114B2S1DUP	SVOC	Antimony	7440-36-0	UJ	1.34		5.09	5	ORNL Plants	no	--
B114	B114B3S1	SVOC	Molybdenum	7439-98-7	U	0.588		1.96	2	ORNL Plants	no	--
B115	B115B1S1	INORG	Molybdenum	7439-98-7	U	0.549		1.96	2	ORNL Plants	no	--
B115	B115B1S1	INORG	Molybdenum	7439-98-7	U	0.542		1.96	2	ORNL Plants	no	--
B115	B115B1S1	INORG	Molybdenum	7439-98-7	U	0.534		1.96	2	ORNL Plants	no	--
B115	B115B1S1	INORG	Molybdenum	7439-98-7	U	0.501	5.7775	1.96	2	ORNL Plants	no	--
B115	B115B1S1	INORG	Antimony	7440-36-0	U	1.28	5.7775	5.09	5	ORNL Plants	no	--
B115	B115B1S1	INORG	Molybdenum	7439-98-7	U	0.561	5.7775	1.96	2	ORNL Plants	no	--
B115	B115B2S1	INORG	Molybdenum	7439-98-7	U	0.531		1.96	2	ORNL Plants	no	--
B115	B115B2S1	INORG	Molybdenum	7439-98-7	U	0.538		1.96	2	ORNL Plants	no	--
B115	B115B2S1	INORG	Molybdenum	7439-98-7	U	0.545		1.96	2	ORNL Plants	no	--
B115	B115B3S1	INORG	Antimony	7440-36-0	UJ	1.42		5.09	5	ORNL Plants	no	--
B115	B115B3S1	INORG	Molybdenum	7439-98-7	U	0.623		1.96	2	ORNL Plants	no	--
B115	B115B3S1	INORG	Antimony	7440-36-0	UJ	1.29		5.09	5	ORNL Plants	no	--
B115	B115B3S1	INORG	Molybdenum	7439-98-7	U	0.567		1.96	2	ORNL Plants	no	--
B115	B115B3S1	INORG	Molybdenum	7439-98-7	U	0.514	5.3625	1.96	2	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B115	B115B4S1	INORG	Molybdenum	7439-98-7	U	0.517	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B4S1	INORG	Molybdenum	7439-98-7	U	0.545	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B4S1	INORG	Molybdenum	7439-98-7	U	0.535	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B4S1	INORG	Molybdenum	7439-98-7	U	0.527	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B4S1	INORG	Antimony	7440-36-0	U	1.26	5.3625	5.09	5	ORNL Plants	no	--
B115	B115B4S1	INORG	Molybdenum	7439-98-7	U	0.554	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.509	5.3625	1.96	2	ORNL Plants	no	--
B115	B115B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.541	5.3875	1.96	2	ORNL Plants	no	--
B115	B115B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.27	5.3875	5.09	5	ORNL Plants	no	--
B115	B115B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.56	5.3875	1.96	2	ORNL Plants	no	--
B115	B115B2S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.36	5.3875	5.09	5	ORNL Plants	no	--
B115	B115B2S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.6	5.3875	1.96	2	ORNL Plants	no	--
B115	B115B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.547	5.3875	1.96	2	ORNL Plants	no	--
B115	B115B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.28	5.3875	5.09	5	ORNL Plants	no	--
B115	B115B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.564	5.3875	1.96	2	ORNL Plants	no	--
B115	B115B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.578	5.55	1.96	2	ORNL Plants	no	--
B115	B115B4S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.45	5.55	5.09	5	ORNL Plants	no	--
B115	B115B4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.638	5.55	1.96	2	ORNL Plants	no	--
B115	B115B1S1	SVOC	Antimony	7440-36-0	UJ	1.59	5.55	5.09	5	ORNL Plants	no	--
B115	B115B2S1	SVOC	Molybdenum	7439-98-7	U	0.554	5.55	1.96	2	ORNL Plants	no	--
B115	B115B3S1	SVOC	Molybdenum	7439-98-7	U	0.527	5.55	1.96	2	ORNL Plants	no	--
B115	B115B4S1	SVOC	Antimony	7440-36-0	UJ	1.56	5.55	5.09	5	ORNL Plants	no	--
B116128	B116128B11S1	INORG	Molybdenum	7439-98-7	U	0.606	5.55	1.96	2	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Antimony	7440-36-0	UJ	1.39	5.55	5.09	5	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Molybdenum	7439-98-7	U	0.5	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Antimony	7440-36-0	U	1.25	5.6175	5.09	5	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Molybdenum	7439-98-7	U	0.549	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Molybdenum	7439-98-7	U	0.532	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B1S1	INORG	Antimony	7440-36-0	U	1.28	5.6175	5.09	5	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.565	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.541	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.525	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.528	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.533	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B3S1	INORG	Molybdenum	7439-98-7	U	0.53	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B4S1	INORG	Antimony	7440-36-0	U	1.37	5.6175	5.09	5	ORNL Plants	no	--
B116128	B116128B4S1	INORG	Molybdenum	7439-98-7	U	0.602	5.6175	1.96	2	ORNL Plants	no	--
B116128	B116128B4S1	INORG	Antimony	7440-36-0	UJ	1.19		5.09	5	ORNL Plants	no	--
B116128	B116128B4S1	INORG	Antimony	7440-36-0	UJ	1.18		5.09	5	ORNL Plants	no	--
B116128	B116128B11S1	Nitroaromatics	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B116128	B116128B11S1	Nitroaromatics	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B116128	B116128B11S1	Nitroaromatics	Antimony	7440-36-0	U	1.11		5.09	5	ORNL Plants	no	--
B116128	B116128B1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.488		1.96	2	ORNL Plants	no	--
B116128	B116128B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.15		5.09	5	ORNL Plants	no	--
B116128	B116128B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.12		5.09	5	ORNL Plants	no	--
B116128	B116128B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.491		1.96	2	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B116128	B116128B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.23		5.09	5	ORNL Plants	no	--
B116128	B116128B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.19		5.09	5	ORNL Plants	no	--
B116128	B116128B4S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B116128	B116128B4S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.23		5.09	5	ORNL Plants	no	--
B116128	B116128B4S1	Nitroaromatics	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B116128	B116128B1S1	SVOC	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B116128	B116128B3S1	SVOC	Molybdenum	7439-98-7	U	0.497		1.96	2	ORNL Plants	no	--
B116128	B116128B4S1	SVOC	Antimony	7440-36-0	U	1.19		5.09	5	ORNL Plants	no	--
B117	B117B1S1	INORG	Antimony	7440-36-0	UJ	1.16		5.09	5	ORNL Plants	no	--
B117	B117B1S1	INORG	Antimony	7440-36-0	UJ	1.15		5.09	5	ORNL Plants	no	--
B117	B117B1S1	INORG	Antimony	7440-36-0	U	1.06		5.09	5	ORNL Plants	no	--
B117	B117B1S1	INORG	Molybdenum	7439-98-7	U	0.466		1.96	2	ORNL Plants	no	--
B117	B117S1S1	INORG	Antimony	7440-36-0	U	1.12		5.09	5	ORNL Plants	no	--
B117	B117S1S1	INORG	Molybdenum	7439-98-7	U	0.493		1.96	2	ORNL Plants	no	--
B117	B117S1S1	INORG	Antimony	7440-36-0	U	1.24		5.09	5	ORNL Plants	no	--
B117	B117S1S1	INORG	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B117	B117S1S1DUP	INORG	Antimony	7440-36-0	U	1.24		5.09	5	ORNL Plants	no	--
B117	B117S1S1DUP	INORG	Antimony	7440-36-0	UJ	1.02		5.09	5	ORNL Plants	no	--
B117	B117S1S1DUP	INORG	Molybdenum	7439-98-7	U	0.449		1.96	2	ORNL Plants	no	--
B117	B117S1S1DUP	INORG	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	INORG	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	INORG	Antimony	7440-36-0	U	1.23		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	INORG	Antimony	7440-36-0	U	1.09		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	INORG	Molybdenum	7439-98-7	U	0.479		1.96	2	ORNL Plants	no	--
B117	B117S3S1	INORG	Antimony	7440-36-0	U	1.15		5.09	5	ORNL Plants	no	--
B117	B117S3S1	INORG	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B117	B117S3S1	INORG	Molybdenum	7439-98-7	U	0.497		1.96	2	ORNL Plants	no	--
B117	B117S3S1	INORG	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B117	B117S4S1	INORG	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B117	B117S4S1	INORG	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B117	B117S4S1	INORG	Antimony	7440-36-0	U	1.21		5.09	5	ORNL Plants	no	--
B117	B117S4S1	INORG	Antimony	7440-36-0	U	1.17		5.09	5	ORNL Plants	no	--
B117	B117B1S1	Nitroaromatics	Antimony	7440-36-0	U	1.23		5.09	5	ORNL Plants	no	--
B117	B117B1S1	Nitroaromatics	Antimony	7440-36-0	U	1.19		5.09	5	ORNL Plants	no	--
B117	B117B1S1	Nitroaromatics	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B117	B117S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.23		5.09	5	ORNL Plants	no	--
B117	B117S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.09		5.09	5	ORNL Plants	no	--
B117	B117S1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.479		1.96	2	ORNL Plants	no	--
B117	B117S1S1DUP	Nitroaromatics	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B117	B117S1S1DUP	Nitroaromatics	Molybdenum	7439-98-7	U	0.495		1.96	2	ORNL Plants	no	--
B117	B117S1S1DUP	Nitroaromatics	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	Nitroaromatics	Antimony	7440-36-0	U	1.17		5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	Nitroaromatics	Molybdenum	7439-98-7	U	0.492		1.96	2	ORNL Plants	no	--
B117	B117S2S1 Unspiked	Nitroaromatics	Antimony	7440-36-0	UJ	1.16		5.09	5	ORNL Plants	no	--
B117	B117S3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.16		5.09	5	ORNL Plants	no	--
B117	B117S3S1	Nitroaromatics	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B117	B117S3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.496		1.96	2	ORNL Plants	no	--
B117	B117S4S1	Nitroaromatics	Antimony	7440-36-0	U	1.2		5.09	5	ORNL Plants	no	--
B117	B117S4S1	Nitroaromatics	Antimony	7440-36-0	U	1.21	5.55	5.09	5	ORNL Plants	no	--
B117	B117S4S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.468	4.55	1.96	2	ORNL Plants	no	--
B117	B117B1S1	SVOC	Antimony	7440-36-0	UJ	1.18	5.335	5.09	5	ORNL Plants	no	--
B117	B117S1S1	SVOC	Antimony	7440-36-0	UJ	1.15	5.335	5.09	5	ORNL Plants	no	--
B117	B117S1S1DUP	SVOC	Antimony	7440-36-0	UJ	1.17	5.335	5.09	5	ORNL Plants	no	--
B117	B117S2S1 Unspiked	SVOC	Antimony	7440-36-0	UJ	1.24	5.335	5.09	5	ORNL Plants	no	--
B117	B117S3S1	SVOC	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B117	B117S4S1	SVOC	Antimony	7440-36-0	U	1.15		5.09	5	ORNL Plants	no	--
B119120	B119120B1S1	INORG	Antimony	7440-36-0	U	1.12		5.09	5	ORNL Plants	no	--
B119120	B119120B1S1	INORG	Antimony	7440-36-0	U	1.14		5.09	5	ORNL Plants	no	--
B119120	B119120B1S1	INORG	Antimony	7440-36-0	U	1.15		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	INORG	Antimony	7440-36-0	U	1.16		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	INORG	Antimony	7440-36-0	U	1.09		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	INORG	Molybdenum	7439-98-7	U	0.479		1.96	2	ORNL Plants	no	--
B119120	B119120B3S1	INORG	Antimony	7440-36-0	U	1.09		5.09	5	ORNL Plants	no	--
B119120	B119120B4S1	INORG	Molybdenum	7439-98-7	U	0.48		1.96	2	ORNL Plants	no	--
B119120	B119120B4S1	INORG	Antimony	7440-36-0	UJ	1.11		5.09	5	ORNL Plants	no	--
B119120	B119120B4S1	INORG	Molybdenum	7439-98-7	U	0.486		1.96	2	ORNL Plants	no	--
B119120	B119120B4S1	INORG	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	INORG	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	INORG	Antimony	7440-36-0	UJ	1.19		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	INORG	Antimony	7440-36-0	UJ	1.14		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	INORG	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	INORG	Antimony	7440-36-0	UJ	1.2		5.09	5	ORNL Plants	no	--
B119120	B119120S2S1	INORG	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B119120	B119120B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.21		5.09	5	ORNL Plants	no	--
B119120	B119120B1S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.21		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.21		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.13		5.09	5	ORNL Plants	no	--
B119120	B119120B3S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.496		1.96	2	ORNL Plants	no	--
B119120	B119120B4S1	Nitroaromatics	Boron	7440-42-8	U	1.36		8.22	8.22	Background	no	--
B119120	B119120B4S1	Nitroaromatics	Boron	7440-42-8	U	1.37		8.22	8.22	Background	no	--
B119120	B119120S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	Nitroaromatics	Molybdenum	7439-98-7	U	0.497		1.96	2	ORNL Plants	no	--
B119120	B119120S2S1	Nitroaromatics	Antimony	7440-36-0	U	1.13		5.09	5	ORNL Plants	no	--
B119120	B119120S2S1	Nitroaromatics	Antimony	7440-36-0	U	1.18		5.09	5	ORNL Plants	no	--
B119120	B119120S2S1	Nitroaromatics	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B119120	B119120S1S1	SVOC	Antimony	7440-36-0	UJ	1.18		5.09	5	ORNL Plants	no	--
B121	B121S1S1	INORG	Boron	7440-42-8	U	1.49		8.22	8.22	Background	no	--
B121	B121S1S1DUP	INORG	Mercury	7439-97-6	U	0.0693		0.09	0.3	ORNL Plants	no	--
B121	B121S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.22		5.09	5	ORNL Plants	no	--
B121	B121S1S1	Nitroaromatics	Antimony	7440-36-0	U	1.19		5.09	5	ORNL Plants	no	--
B121	B121S1S1	Nitroaromatics	Mercury	7439-97-6	U	0.0561		0.09	0.3	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B121	B121S1S1DUP	Nitroaromatics	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B121	B121S1S1DUP	Nitroaromatics	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B121	B121S1S1DUP	Nitroaromatics	Antimony	7440-36-0	U	1.19		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	U	1.16		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	UJ	1.21		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	UJ	1.12		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Molybdenum	7439-98-7	U	0.495		1.96	2	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	UJ	1.16		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	UJ	1.19		5.09	5	ORNL Plants	no	--
B122	B122B10S1	INORG	Antimony	7440-36-0	U	1.21		5.09	5	ORNL Plants	no	--
B122	B122B1S1	INORG	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B122	B122B1S1	INORG	Antimony	7440-36-0	UJ	1.2		5.09	5	ORNL Plants	no	--
B122	B122B1S1	INORG	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B122	B122B1S1	INORG	Antimony	7440-36-0	U	1.2	5.015	5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Boron	7440-42-8	U	1.24		8.22	8.22	Background	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.15		5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.16		5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.23		5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.15		5.09	5	ORNL Plants	no	--
B122	B122B2S1	INORG	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B122	B122B3S1	INORG	Antimony	7440-36-0	UJ	1.22		5.09	5	ORNL Plants	no	--
B122	B122B3S1	INORG	Molybdenum	7439-98-7	U	0.481		1.96	2	ORNL Plants	no	--
B122	B122B3S1	INORG	Antimony	7440-36-0	U	1.1	5.7775	5.09	5	ORNL Plants	no	--
B122	B122B3S1	INORG	Molybdenum	7439-98-7	U	0.484	5.7775	1.96	2	ORNL Plants	no	--
B122	B122B3S1	INORG	Antimony	7440-36-0	U	0.99	5.7775	5.09	5	ORNL Plants	no	--
B122	B122B3S1	INORG	Molybdenum	7439-98-7	U	0.436	5.7775	1.96	2	ORNL Plants	no	--
B122	B122B5S1	INORG	Antimony	7440-36-0	U	1.21		5.09	5	ORNL Plants	no	--
B122	B122B5S1	INORG	Antimony	7440-36-0	U	1.22		5.09	5	ORNL Plants	no	--
B122	B122B5S1	INORG	Antimony	7440-36-0	UJ	1.24		5.09	5	ORNL Plants	no	--
B122	B122B5S1	INORG	Boron	7440-42-8	U	1.26		8.22	8.22	Background	no	--
B122	B122B5S1	INORG	Antimony	7440-36-0	U	1.12	5.8025	5.09	5	ORNL Plants	no	--
B122	B122B5S1	INORG	Molybdenum	7439-98-7	U	0.493	5.8025	1.96	2	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	UJ	1.17	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	UJ	1.18	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	UJ	1.24	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	U	1.21	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	UJ	1.21	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B6S1	INORG	Antimony	7440-36-0	UJ	1.2	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	U	1.16	5.3625	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	UJ	1.23	5.3875	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	UJ	1.24	5.3875	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	UJ	1.2	5.55	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	U	1.14	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	U	1.21	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1	INORG	Antimony	7440-36-0	U	1.23	5.6175	5.09	5	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B122	B122B7S1-DUP	INORG	Antimony	7440-36-0	U	1.19	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1-DUP	INORG	Antimony	7440-36-0	U	1.2	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1-DUP	INORG	Antimony	7440-36-0	U	1.21	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1-DUP	INORG	Antimony	7440-36-0	U	1.2	5.6175	5.09	5	ORNL Plants	no	--
B122	B122B7S1-DUP	INORG	Boron	7440-42-8	U	1.05		8.22	8.22	Background	no	--
B122	B122B7S1-DUP	INORG	Boron	7440-42-8	U	1.05		8.22	8.22	Background	no	--
B122	B122B8S1	INORG	Boron	7440-42-8	U	0.987		8.22	8.22	Background	no	--
B122	B122B8S1	INORG	Boron	7440-42-8	U	1.16		8.22	8.22	Background	no	--
B122	B122B8S1	INORG	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B122	B122B8S1	INORG	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B122	B122B8S1	INORG	Boron	7440-42-8	U	1.18		8.22	8.22	Background	no	--
B122	B122B9S1	INORG	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B122	B122B9S1	INORG	Boron	7440-42-8	U	1.01		8.22	8.22	Background	no	--
B122	B122B9S1	INORG	Boron	7440-42-8	U	1.06		8.22	8.22	Background	no	--
B122	B122B9S1	INORG	Boron	7440-42-8	U	0.942		8.22	8.22	Background	no	--
B122	B122B9S1	INORG	Boron	7440-42-8	U	0.997		8.22	8.22	Background	no	--
B122	B122B10S1	Nitroaromatics	Boron	7440-42-8	U	1.11		8.22	8.22	Background	no	--
B122	B122B10S1	Nitroaromatics	Boron	7440-42-8	U	1.01		8.22	8.22	Background	no	--
B122	B122B10S1	Nitroaromatics	Boron	7440-42-8	U	0.908		8.22	8.22	Background	no	--
B122	B122B1S1	Nitroaromatics	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B122	B122B1S1	Nitroaromatics	Mercury	7439-97-6	U	0.0411		0.09	0.3	ORNL Plants	no	--
B122	B122B1S1	Nitroaromatics	Mercury	7439-97-6	U	0.0324		0.09	0.3	ORNL Plants	no	--
B122	B122B2S1	Nitroaromatics	Mercury	7439-97-6	U	0.0421		0.09	0.3	ORNL Plants	no	--
B122	B122B2S1	Nitroaromatics	Mercury	7439-97-6	U	0.0438		0.09	0.3	ORNL Plants	no	--
B122	B122B2S1	Nitroaromatics	Boron	7440-42-8	U	1.01		8.22	8.22	Background	no	--
B122	B122B3S1	Nitroaromatics	Boron	7440-42-8	U	1.03		8.22	8.22	Background	no	--
B122	B122B3S1	Nitroaromatics	Boron	7440-42-8	U	1.03		8.22	8.22	Background	no	--
B122	B122B3S1	Nitroaromatics	Mercury	7439-97-6	U	0.0427		0.09	0.3	ORNL Plants	no	--
B122	B122B5S1	Nitroaromatics	Boron	7440-42-8	U	1.2		8.22	8.22	Background	no	--
B122	B122B5S1	Nitroaromatics	Mercury	7439-97-6	U	0.0369		0.09	0.3	ORNL Plants	no	--
B122	B122B5S1	Nitroaromatics	Boron	7440-42-8	U	1.16		8.22	8.22	Background	no	--
B122	B122B6S1	Nitroaromatics	Boron	7440-42-8	U	1.02		8.22	8.22	Background	no	--
B122	B122B6S1	Nitroaromatics	Boron	7440-42-8	U	1.02		8.22	8.22	Background	no	--
B122	B122B6S1	Nitroaromatics	Boron	7440-42-8	U	1.03		8.22	8.22	Background	no	--
B122	B122B7S1	Nitroaromatics	Boron	7440-42-8	U	1.15		8.22	8.22	Background	no	--
B122	B122B7S1	Nitroaromatics	Boron	7440-42-8	U	1.18		8.22	8.22	Background	no	--
B122	B122B7S1	Nitroaromatics	Boron	7440-42-8	U	0.968		8.22	8.22	Background	no	--
B122	B122B7S1-DUP	Nitroaromatics	Boron	7440-42-8	U	0.972		8.22	8.22	Background	no	--
B122	B122B7S1-DUP	Nitroaromatics	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B122	B122B7S1-DUP	Nitroaromatics	Boron	7440-42-8	U	1.08		8.22	8.22	Background	no	--
B122	B122B8S1	Nitroaromatics	Boron	7440-42-8	U	1.11		8.22	8.22	Background	no	--
B122	B122B8S1	Nitroaromatics	Boron	7440-42-8	U	1.1		8.22	8.22	Background	no	--
B122	B122B8S1	Nitroaromatics	Boron	7440-42-8	U	1.06		8.22	8.22	Background	no	--
B122	B122B9S1	Nitroaromatics	Boron	7440-42-8	U	1.16		8.22	8.22	Background	no	--
B122	B122B9S1	Nitroaromatics	Boron	7440-42-8	U	1.15		8.22	8.22	Background	no	--
B122	B122B9S1	Nitroaromatics	Mercury	7439-97-6	UJ	0.0325		0.09	0.3	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B122	B122B10S1	SVOC	Boron	7440-42-8	U	1.01		8.22	8.22	Background	no	--
B122	B122B1S1	SVOC	Boron	7440-42-8	U	1.06		8.22	8.22	Background	no	--
B122	B122B2S1	SVOC	Boron	7440-42-8	U	1.01		8.22	8.22	Background	no	--
B122	B122B3S1	SVOC	Boron	7440-42-8	U	1.05		8.22	8.22	Background	no	--
B122	B122B6S1	SVOC	Boron	7440-42-8	U	1.15		8.22	8.22	Background	no	--
B122	B122B7S1	SVOC	Boron	7440-42-8	U	1.15		8.22	8.22	Background	no	--
B122	B122B7S1-DUP	SVOC	Boron	7440-42-8	U	1.04		8.22	8.22	Background	no	--
B122	B122B8S1	SVOC	Boron	7440-42-8	U	1.06		8.22	8.22	Background	no	--
B122	B122B9S1	SVOC	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B123	B123B1S1	INORG	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B123	B123B1S1	INORG	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B123	B123B1S1	INORG	Boron	7440-42-8	U	1.17		8.22	8.22	Background	no	--
B123	B123S1S1	INORG	Boron	7440-42-8	U	1.06	5.015	8.22	8.22	Background	no	--
B123	B123S1S1	INORG	Boron	7440-42-8	U	1.08	5.015	8.22	8.22	Background	no	--
B123	B123S1S1	INORG	Boron	7440-42-8	U	1.08		8.22	8.22	Background	no	--
B123	B123S1S1	INORG	Boron	7440-42-8	U	1.02		8.22	8.22	Background	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	1.03		8.22	8.22	Background	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	1.04		8.22	8.22	Background	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	1.1		8.22	8.22	Background	no	--
B123	B123S3S1	INORG	Boron	7440-42-8	U	1.07		8.22	8.22	Background	no	--
B123	B123S3S1	INORG	Boron	7440-42-8	U	1.11		8.22	8.22	Background	no	--
B123	B123S3S1	INORG	Boron	7440-42-8	U	1.03		8.22	8.22	Background	no	--
B123	B123S3S1	INORG	Boron	7440-42-8	U	1.11		8.22	8.22	Background	no	--
B123	B123S3S1	INORG	Boron	7440-42-8	U	1.09		8.22	8.22	Background	no	--
B123	B123B1S1	Nitroaromatics	Boron	7440-42-8	U	1.1		8.22	8.22	Background	no	--
B123	B123B1S1	Nitroaromatics	Boron	7440-42-8	U	1.1		8.22	8.22	Background	no	--
B123	B123B1S1	Nitroaromatics	Boron	7440-42-8	U	1.04	5.3625	8.22	8.22	Background	no	--
B123	B123S1S1	Nitroaromatics	Boron	7440-42-8	U	1.05	5.3625	8.22	8.22	Background	no	--
B123	B123S1S1	Nitroaromatics	Boron	7440-42-8	U	1.08	5.3625	8.22	8.22	Background	no	--
B123	B123S1S1	Nitroaromatics	Boron	7440-42-8	U	1.07	5.3625	8.22	8.22	Background	no	--
B123	B123S2S1	Nitroaromatics	Mercury	7439-97-6	U	0.0169		0.09	0.3	ORNL Plants	no	--
B123	B123S2S1	Nitroaromatics	Mercury	7439-97-6	U	0.0186	4.55	0.09	0.3	ORNL Plants	no	--
B123	B123S2S1	Nitroaromatics	Mercury	7439-97-6	U	0.017		0.09	0.3	ORNL Plants	no	--
B123	B123S3S1	Nitroaromatics	Mercury	7439-97-6	U	0.0181		0.09	0.3	ORNL Plants	no	--
B123	B123S3S1	Nitroaromatics	Mercury	7439-97-6	U	0.0172		0.09	0.3	ORNL Plants	no	--
B123	B123S3S1	Nitroaromatics	Mercury	7439-97-6	U	0.0136		0.09	0.3	ORNL Plants	no	--
B123	B123B1S1	SVOC	Mercury	7439-97-6	U	0.0151		0.09	0.3	ORNL Plants	no	--
B123	B123S1S1	SVOC	Mercury	7439-97-6	U	0.0147		0.09	0.3	ORNL Plants	no	--
B123	B123S2S1	SVOC	Mercury	7439-97-6	U	0.0141	5.55	0.09	0.3	ORNL Plants	no	--
B123	B123S3S1	SVOC	Mercury	7439-97-6	U	0.0142		0.09	0.3	ORNL Plants	no	--
B124135	B124135B1S1	INORG	Mercury	7439-97-6	U	0.0142		0.09	0.3	ORNL Plants	no	--
B124135	B124135B1S1	INORG	Mercury	7439-97-6	U	0.0163		0.09	0.3	ORNL Plants	no	--
B124135	B124135B1S1	INORG	Mercury	7439-97-6	U	0.014		0.09	0.3	ORNL Plants	no	--
B124135	B124135B1S1	INORG	Mercury	7439-97-6	U	0.0145		0.09	0.3	ORNL Plants	no	--

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B124135	B124135B2S1	INORG	Mercury	7439-97-6	U	0.0149		0.09	0.3	ORNL Plants	no	--
B124135	B124135B2S1	INORG	Mercury	7439-97-6	U	0.0158		0.09	0.3	ORNL Plants	no	--
B124135	B124135B2S1	INORG	Mercury	7439-97-6	U	0.0147		0.09	0.3	ORNL Plants	no	--
B124135	B124135B2S1	INORG	Mercury	7439-97-6	U	0.0139		0.09	0.3	ORNL Plants	no	--
B124135	B124135B3S1	INORG	Mercury	7439-97-6	U	0.0138		0.09	0.3	ORNL Plants	no	--
B124135	B124135B3S1	INORG	Mercury	7439-97-6	U	0.014		0.09	0.3	ORNL Plants	no	--
B124135	B124135B3S1	INORG	Mercury	7439-97-6	U	0.0138		0.09	0.3	ORNL Plants	no	--
B124135	B124135B3S1	INORG	Mercury	7439-97-6	U	0.0136		0.09	0.3	ORNL Plants	no	--
B124135	B124135B4S1	INORG	Mercury	7439-97-6	U	0.0133		0.09	0.3	ORNL Plants	no	--
B124135	B124135B4S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.3	ORNL Plants	no	--
B124135	B124135B5S1	INORG	Mercury	7439-97-6	U	0.0123		0.09	0.3	ORNL Plants	no	--
B124135	B124135B5S1	INORG	Mercury	7439-97-6	U	0.0121		0.09	0.3	ORNL Plants	no	--
B124135	B124135B5S1	INORG	Mercury	7439-97-6	U	0.0131		0.09	0.3	ORNL Plants	no	--
B124135	B124135B7S1	INORG	Mercury	7439-97-6	U	0.0133		0.09	0.3	ORNL Plants	no	--
B124135	B124135B7S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.3	ORNL Plants	no	--
B124135	B124135B7S1	INORG	Mercury	7439-97-6	U	0.013		0.09	0.3	ORNL Plants	no	--
B124135	B124135B7S1	INORG	Mercury	7439-97-6	U	0.0128		0.09	0.3	ORNL Plants	no	--
B124135	B124135B8S1	INORG	Mercury	7439-97-6	U	0.0127		0.09	0.3	ORNL Plants	no	--
B124135	B124135B8S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.3	ORNL Plants	no	--
B124135	B124135B8S1	INORG	Mercury	7439-97-6	U	0.0128		0.09	0.3	ORNL Plants	no	--
B124135	B124135S1S1	INORG	Mercury	7439-97-6	U	0.0125		0.09	0.3	ORNL Plants	no	--
B124135	B124135S1S1	INORG	Mercury	7439-97-6	U	0.0134		0.09	0.3	ORNL Plants	no	--
B124135	B124135S1S1	INORG	Mercury	7439-97-6	U	0.0132		0.09	0.3	ORNL Plants	no	--
B124135	B124135S1S1	INORG	Mercury	7439-97-6	U	0.0134	5.6175	0.09	0.3	ORNL Plants	no	--
B124135	B124135S1S1	INORG	Copper	7440-50-8	UJ	0.253		52.77	70	EcoSSL Plants	no	--
B124135	B124135S1S1DUP	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135S1S1DUP	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135S1S1DUP	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B124135	B124135S1S1DUP	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135S1S1DUP	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135S2S1	INORG	Cyanide	57-12-5	U	0.24		--	1.33	Region 5	--	0.2
B124135	B124135S2S1	INORG	Cyanide	57-12-5	U	0.25		--	1.33	Region 5	--	0.2
B124135	B124135S2S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135S3S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B124135	B124135S3S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B124135	B124135B1S1	Nitroaromatics	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135B1S1	Nitroaromatics	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135B1S1	Nitroaromatics	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135B2S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B124135	B124135B2S1	Nitroaromatics	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135B2S1	Nitroaromatics	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135B3S1	Nitroaromatics	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B124135	B124135B3S1	Nitroaromatics	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135B3S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B124135	B124135B4S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B124135	B124135B4S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B124135	B124135B4S1	Nitroaromatics	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135B5S1	Nitroaromatics	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B124135	B124135B5S1	Nitroaromatics	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B124135	B124135B5S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B124135	B124135B7S1	Nitroaromatics	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B124135	B124135B7S1	Nitroaromatics	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B124135	B124135B7S1	Nitroaromatics	Cyanide	57-12-5	U	0.19		--	1.33	Region 5	--	0.1
B124135	B124135B8S1	Nitroaromatics	RDX	121-82-4	U	5		--	99	Exp EcoSSL	--	0.05
B124135	B124135B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.59		--	16	Exp EcoSSL	--	0.04
B124135	B124135B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.56		--	16	Exp EcoSSL	--	0.04
B124135	B124135S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.55		--	16	Exp EcoSSL	--	0.03
B124135	B124135S1S1	Nitroaromatics	RDX	121-82-4	U	1.3		--	99	Exp EcoSSL	--	0.01
B124135	B124135S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B124135	B124135S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B124135	B124135S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B124135	B124135S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B124135	B124135S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.17		--	16	Exp EcoSSL	--	0.01
B124135	B124135S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.17	5.015	--	16	Exp EcoSSL	--	0.01
B124135	B124135S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135B1S1	SVOC	RDX	121-82-4	U	0.93		--	99	Exp EcoSSL	--	0.009
B124135	B124135B2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135B3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135B4S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135B5S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135B7S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135B8S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135S1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135S1S1DUP	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B124135	B124135S2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B124135	B124135S3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B125136	B125136B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B125136	B125136B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.3875	--	16	Exp EcoSSL	--	0.009
B125136	B125136B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.15	5.55	--	16	Exp EcoSSL	--	0.009
B125136	B125136B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.55	--	16	Exp EcoSSL	--	0.009
B125136	B125136B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.55	--	16	Exp EcoSSL	--	0.009
B125136	B125136B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.6175	--	16	Exp EcoSSL	--	0.009
B125136	B125136B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B125136	B125136B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B125136	B125136B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.15	--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B142	B142B2S1 Unspiked	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.7775	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B142	B142B1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B142	B142B1S1DUP	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B142	B142B2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3625	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3875	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
B143	B143B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.55	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B2S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
B143	B143B3S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11	4.55	--	16	Exp EcoSSL	--	0.007
B143	B143B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B1S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B2S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B143	B143B3S1	SVOC	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.7775	--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.7775	--	16	Exp EcoSSL	--	0.007
B144	B144B1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.8025	--	16	Exp EcoSSL	--	0.007
B144	B144S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.42		--	70	ORNL Plants phenol	--	0.006
B144	B144S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.39		--	70	ORNL Plants phenol	--	0.006
B144	B144S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.42		--	70	ORNL Plants phenol	--	0.006
B144	B144S1S1	INORG	2,4,6-Trinitrotoluene	118-96-7	U	0.1	5.7775	--	16	Exp EcoSSL	--	0.006
B144	B144S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.38		--	70	ORNL Plants phenol	--	0.005
B144	B144S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.36		--	70	ORNL Plants phenol	--	0.005
B144	B144S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.38		--	70	ORNL Plants phenol	--	0.005
B144	B144S1S1DUP	INORG	RDX	121-82-4	U	0.41		--	99	Exp EcoSSL	--	0.004
B144	B144B1S1	Nitroaromatics	RDX	121-82-4	U	0.4	5.335	--	99	Exp EcoSSL	--	0.004
B144	B144B1S1	Nitroaromatics	RDX	121-82-4	U	0.43		--	99	Exp EcoSSL	--	0.004
B144	B144B1S1	Nitroaromatics	RDX	121-82-4	U	0.28		--	99	Exp EcoSSL	--	0.003
B144	B144S1S1	Nitroaromatics	RDX	121-82-4	U	0.25		--	99	Exp EcoSSL	--	0.003
B144	B144S1S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B144	B144S1S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B144	B144S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	1.2		--	600	Exp EcoSSL	--	0.002
B144	B144S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.16	5.55	--	99	Exp EcoSSL	--	0.002
B144	B144S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B144	B144B1S1	SVOC	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B144	B144S1S1	SVOC	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B144	B144S1S1DUP	SVOC	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	INORG	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B146	B146B1S1	INORG	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	INORG	RDX	121-82-4	U	0.17	5.015	--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	INORG	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	INORG	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	INORG	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B1S1	SVOC	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
B146	B146B3S1	SVOC	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B10S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B10S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B10S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B10S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B11S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B11S1	INORG	RDX	121-82-4	U	0.17	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B11S1	INORG	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B11S1	INORG	RDX	121-82-4	U	0.17	5.7775	--	99	Exp EcoSSL	--	0.002
B147	B147B12S1	INORG	RDX	121-82-4	U	0.15	5.55	--	99	Exp EcoSSL	--	0.002
B147	B147B12S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	INORG	HMX	2691-41-0	U	0.63		--	600	Exp EcoSSL	--	0.001
B147	B147B12S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B147	B147B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	INORG	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B10S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B10S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B10S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B11S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B11S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B11S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	Nitroaromatics	HMX	2691-41-0	U	0.58		--	600	Exp EcoSSL	--	0.001
B147	B147B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B147	B147B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	Nitroaromatics	RDX	121-82-4	U	0.11	4.55	--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.15	--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.335	--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B10S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B11S1	SVOC	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	SVOC	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B2S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B5S1	SVOC	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B148	B148B2S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.62		--	600	Exp EcoSSL	--	0.001
B148	B148B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.086		--	70	ORNL Plants phenol	--	0.001
B149	B149B4S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	INORG	RDX	121-82-4	UJ	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B149	B149S1S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	UJ	0.1		--	70	ORNL Plants phenol	--	0.001
B149	B149S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	SVOC	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	SVOC	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B149	B149B4S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	SVOC	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	SVOC	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	INORG	RDX	121-82-4	U	0.11	5.7775	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	INORG	RDX	121-82-4	U	0.11	5.7775	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	INORG	RDX	121-82-4	U	0.13	5.7775	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	INORG	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	INORG	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	INORG	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	INORG	RDX	121-82-4	U	0.11	5.8025	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	INORG	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.3625	--	99	Exp EcoSSL	--	0.001

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B150151	B150151B1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3875	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.14	5.3875	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.55	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	Nitroaromatics	RDX	121-82-4	U	0.14	5.55	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	SVOC	RDX	121-82-4	U	0.14	5.55	--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1DUP	SVOC	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	SVOC	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	SVOC	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S1S1	INORG	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S1S1	INORG	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S1S1	INORG	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S1S1	INORG	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S2S1	INORG	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S2S1	INORG	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S2S1	INORG	RDX	121-82-4	U	0.14	5.6175	--	99	Exp EcoSSL	--	0.001
B152	B152S2S1	INORG	HMX	2691-41-0	U	0.55		--	600	Exp EcoSSL	--	0.0009
B152	B152S3S1	INORG	Perchlorate	14797-73-0	U	0.0036		--	4	NCEA	--	0.0009
B152	B152S3S1	INORG	Perchlorate	14797-73-0	U	0.0035	5.015	--	4	NCEA	--	0.0009
B152	B152S3S1	INORG	HMX	2691-41-0	U	0.54	5.6175	--	600	Exp EcoSSL	--	0.0009
B152	B152S3S1	INORG	HMX	2691-41-0	U	0.45		--	600	Exp EcoSSL	--	0.0008
B152	B152S3S1	INORG	Perchlorate	14797-73-0	U	0.003		--	4	NCEA	--	0.0008
B152	B152S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0033		--	4	NCEA	--	0.0008
B152	B152S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.053		--	70	ORNL Plants phenol	--	0.0008
B152	B152S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0033		--	4	NCEA	--	0.0008
B152	B152S2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.053		--	70	ORNL Plants phenol	--	0.0008
B152	B152S2S1	Nitroaromatics	HMX	2691-41-0	U	0.46		--	600	Exp EcoSSL	--	0.0008
B152	B152S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0031		--	4	NCEA	--	0.0008
B152	B152S3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0031		--	4	NCEA	--	0.0008
B152	B152S3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0031		--	4	NCEA	--	0.0008
B152	B152S1S1	SVOC	Perchlorate	14797-73-0	U	0.0033		--	4	NCEA	--	0.0008
B152	B152S2S1	SVOC	Perchlorate	14797-73-0	U	0.0033		--	4	NCEA	--	0.0008
B152	B152S3S1	SVOC	HMX	2691-41-0	U	0.49		--	600	Exp EcoSSL	--	0.0008
B153	B153B1S1	INORG	HMX	2691-41-0	U	0.5		--	600	Exp EcoSSL	--	0.0008
B153	B153B1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.053		--	70	ORNL Plants phenol	--	0.0008
B153	B153B1S1	INORG	Perchlorate	14797-73-0	U	0.0031		--	4	NCEA	--	0.0008
B153	B153B1S1	INORG	HMX	2691-41-0	U	0.48		--	600	Exp EcoSSL	--	0.0008
B153	B153B1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.056	5.015	--	70	ORNL Plants phenol	--	0.0008
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0031		--	4	NCEA	--	0.0008
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.003		--	4	NCEA	--	0.0008
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.003		--	4	NCEA	--	0.0008

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0031	5.55	--	4	NCEA	--	0.0008
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.003	5.55	--	4	NCEA	--	0.0008
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B153	B153B3S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B153	B153B3S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B153	B153B3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.046		--	70	ORNL Plants phenol	--	0.0007
B153	B153B3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.046		--	70	ORNL Plants phenol	--	0.0007
B153	B153B3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B153	B153B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153B2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B153	B153B2S1	Nitroaromatics	HMX	2691-41-0	U	0.41		--	600	Exp EcoSSL	--	0.0007
B153	B153B2S1	Nitroaromatics	HMX	2691-41-0	U	0.39		--	600	Exp EcoSSL	--	0.0007
B153	B153B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153S1S1	Nitroaromatics	HMX	2691-41-0	U	0.39		--	600	Exp EcoSSL	--	0.0007
B153	B153B1S1	SVOC	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B1S1DUP	SVOC	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B2S1	SVOC	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B153	B153B3S1	SVOC	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B153	B153S1S1	SVOC	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B154	B154B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154B1S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B154	B154B1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.046		--	70	ORNL Plants phenol	--	0.0007
B154	B154B1S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.55	--	4	NCEA	--	0.0007
B154	B154S1S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.55	--	4	NCEA	--	0.0007
B154	B154S1S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.15	--	4	NCEA	--	0.0007
B154	B154S1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.335	--	4	NCEA	--	0.0007
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.335	--	4	NCEA	--	0.0007

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.335	--	4	NCEA	--	0.0007
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B154	B154B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B154	B154S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B154	B154S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154B1S1	SVOC	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B154	B154S1S1	SVOC	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B154	B154S2S1	SVOC	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155B1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.05		--	70	ORNL Plants phenol	--	0.0007
B155	B155S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.05		--	70	ORNL Plants phenol	--	0.0007
B155	B155S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.048		--	70	ORNL Plants phenol	--	0.0007
B155	B155S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.049		--	70	ORNL Plants phenol	--	0.0007
B155	B155S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.052		--	70	ORNL Plants phenol	--	0.0007
B155	B155S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B155	B155S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S2S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B155	B155S2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.049		--	70	ORNL Plants phenol	--	0.0007
B155	B155B1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.046		--	70	ORNL Plants phenol	--	0.0007
B155	B155B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B4S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155B4S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B4S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B155	B155S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027	5.015	--	4	NCEA	--	0.0007
B155	B155S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028	5.015	--	4	NCEA	--	0.0007
B155	B155S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026	5.015	--	4	NCEA	--	0.0007
B155	B155S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026	5.015	--	4	NCEA	--	0.0007
B155	B155S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026	5.015	--	4	NCEA	--	0.0007
B155	B155B1S1	SVOC	Perchlorate	14797-73-0	U	0.0026	5.015	--	4	NCEA	--	0.0007
B155	B155B2S1	SVOC	HMX	2691-41-0	U	0.42	5.015	--	600	Exp EcoSSL	--	0.0007
B155	B155B3S1	SVOC	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B155	B155B4S1	SVOC	Perchlorate	14797-73-0	U	0.0027		--	4	NCEA	--	0.0007
B155	B155S1S1	SVOC	HMX	2691-41-0	U	0.42		--	600	Exp EcoSSL	--	0.0007
B155	B155S1S1DUP	SVOC	2-Methyl naphthalene	91-57-6	U	0.049		--	70	ORNL Plants phenol	--	0.0007
B155	B155S2S1	SVOC	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B156	B156B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156B1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.048		--	70	ORNL Plants phenol	--	0.0007
B156	B156S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B156	B156S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156S1S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	4	NCEA	--	0.0007
B156	B156S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156B1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0027	5.7775	--	4	NCEA	--	0.0007
B156	B156B1S1	Nitroaromatics	HMX	2691-41-0	U	0.39	5.7775	--	600	Exp EcoSSL	--	0.0007
B156	B156B1S1	Nitroaromatics	HMX	2691-41-0	U	0.41	5.7775	--	600	Exp EcoSSL	--	0.0007
B156	B156S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B156	B156S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026		--	4	NCEA	--	0.0007
B156	B156S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0028		--	4	NCEA	--	0.0007
B156	B156S2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.048		--	70	ORNL Plants phenol	--	0.0007
B156	B156S2S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0026	5.3625	--	4	NCEA	--	0.0007
B156	B156B1S1	SVOC	Perchlorate	14797-73-0	U	0.0026	5.3625	--	4	NCEA	--	0.0007
B156	B156S1S1	SVOC	Perchlorate	14797-73-0	U	0.0026	5.3625	--	4	NCEA	--	0.0007
B156	B156S2S1	SVOC	Perchlorate	14797-73-0	U	0.0026	5.3625	--	4	NCEA	--	0.0007
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	4	NCEA	--	0.0007
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3875	--	4	NCEA	--	0.0007
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.3875	--	4	NCEA	--	0.0007
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0029	5.3875	--	4	NCEA	--	0.0007
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3875	--	4	NCEA	--	0.0007
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.3875	--	4	NCEA	--	0.0007
B-E-R	BERS2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.046	5.3875	--	70	ORNL Plants phenol	--	0.0007
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.55	--	4	NCEA	--	0.0007
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.55	--	4	NCEA	--	0.0007
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.55	--	4	NCEA	--	0.0007
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0029	5.55	--	4	NCEA	--	0.0007
B-E-R	BERS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.05	5.55	--	70	ORNL Plants phenol	--	0.0007
B-E-R	BERS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.047	5.55	--	70	ORNL Plants phenol	--	0.0007
B-E-R	BERS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.046	5.55	--	70	ORNL Plants phenol	--	0.0007
B-E-R	BERS3S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0029	5.6175	--	4	NCEA	--	0.0007
B-E-R	BERS3S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.046	5.6175	--	70	ORNL Plants phenol	--	0.0007
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
B-E-R	BERS3S1DUP	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS1S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS1S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS1S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS3S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
B-E-R	BERS3S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
B-E-R	BERS3S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS10S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
BGS	BGS10S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS10S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS11S1	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
BGS	BGS11S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS11S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS11S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS12S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS12S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS12S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS12S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
BGS	BGS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS1S1	INORG	Perchlorate	14797-73-0	U	0.0023		--	4	NCEA	--	0.0006
BGS	BGS2S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
BGS	BGS2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS2S1	INORG	Perchlorate	14797-73-0	U	0.0022		--	4	NCEA	--	0.0006
BGS	BGS2S1	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
BGS	BGS3S1	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
BGS	BGS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS5S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS5S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
BGS	BGS6S1	INORG	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
BGS	BGS6S1	INORG	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
BGS	BGS6S1	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
BGS	BGS7S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS7S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS8S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS8S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS9S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BGS	BGS9S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS9S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS9S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BGS	BGS9S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
BORROWAR	BORROWAREAS1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BORROWAR	BORROWAREAS1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
BORROWAR	BORROWAREAS1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BORROWAR	BORROWAREAS1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BORROWAR	BORROWAREAS1	SVOC	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPB1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPB1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPB1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPS1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0023		--	4	NCEA	--	0.0006
BP	BPS1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
BP	BPS2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
BP	BPS2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPS2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BP	BPB2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BP	BPS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
BP	BPS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
BP	BPS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
BP	BPS2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPB1S1	SVOC	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
BP	BPB2S1	SVOC	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
BP	BPS1S1	SVOC	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
BP	BPS1S1DUP	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
BP	BPS2S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
BVL	BVLS1S1	INORG	Perchlorate	14797-73-0	U	0.0023	4.55	--	4	NCEA	--	0.0006
BVL	BVLS1S1	INORG	HMX	2691-41-0	U	0.33	5.55	--	600	Exp EcoSSL	--	0.0006
BVL	BVLS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.55	--	70	ORNL Plants phenol	--	0.0006
BVL	BVLS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043	5.15	--	70	ORNL Plants phenol	--	0.0006
BVL	BVLS1S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.335	--	4	NCEA	--	0.0006
BVL	BVLS1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025	5.335	--	4	NCEA	--	0.0006
BVL	BVLS1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025	5.335	--	4	NCEA	--	0.0006
BVL	BVLS1S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.335	--	600	Exp EcoSSL	--	0.0006

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
BVL	BVLS1S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.04	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.044	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.335	--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23B3S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DA23	DA23B3S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DA23	DA23B6B1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23S1S1	INORG	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0023		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0023		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DA23	DA23S1S1DUP	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DA23	DA23S1S1DUP	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DA23	DA23B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DA23	DA23B2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23B6B1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23S1S1DUP	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DA23	DA23B3S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DA23	DA23S1S1DUP	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DEBAREA1	DebrisArea1S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	INORG	2-Methyl naphthalene	91-57-6	UJ	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S2S1	INORG	2-Methyl naphthalene	91-57-6	UJ	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S10S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S10S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S11S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S11S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S12S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S12S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S13S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S13S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S14S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S14S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S15S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S15S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S16S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S16S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S17S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S17S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S18S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S18S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S19S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S19S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S4S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S4S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S5S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S5S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S6S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006

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Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DEBAREA1	DebrisArea1S6S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S6S1MS	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S6S1MS	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S6S1MSD	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S6S1MSD	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S7S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S7S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S7S1Dup	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S7S1Dup	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S8S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S8S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S9S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S9S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DEBAREA1	DebrisArea1S1S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S1S1DUP	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S2S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DEBAREA1	DebrisArea1S3S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPS1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPS1S1	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPS1S1DUP	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPS1S1DUP	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPTP3S1	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.039		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.045		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP5S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DUMP	DUMPTP5S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
DUMP	DUMPTP5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.015	--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043	5.015	--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.044	5.015	--	70	ORNL Plants phenol	--	0.0006

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Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DUMP	DUMPS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041	5.015	--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041	5.015	--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042	5.015	--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042	5.015	--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	UJ	0.044		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.043		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPTP3S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPTP5S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP5S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP5S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0025		--	4	NCEA	--	0.0006
DUMP	DUMPS1S1	SVOC	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPS1S1DUP	SVOC	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP1S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.04		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP3S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
DUMP	DUMPTP5S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
PSO	PSOB1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	4	NCEA	--	0.0006
PSO	PSOB1S1	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
PSO	PSOB1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
PSO	PSOB1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
PSO	PSOB1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
PSO	PSOB1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0024	5.7775	--	4	NCEA	--	0.0006
PSO	PSOB1S1	Nitroaromatics	Perchlorate	14797-73-0	U	0.0024	5.7775	--	4	NCEA	--	0.0006
PSO	PSOB1S1	SVOC	HMX	2691-41-0	U	0.36	5.7775	--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1	INORG	HMX	2691-41-0	U	0.33	5.7775	--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1	INORG	HMX	2691-41-0	U	0.35	5.7775	--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1	INORG	HMX	2691-41-0	U	0.34	5.7775	--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1	INORG	2-Methyl naphthalene	91-57-6	U	0.043	5.7775	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1	INORG	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1DUP	INORG	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1DUP	INORG	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
TA	TAS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.041		--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.042		--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	INORG	2-Methyl naphthalene	91-57-6	U	0.044		--	70	ORNL Plants phenol	--	0.0006
TA	TAS2S1	INORG	Perchlorate	14797-73-0	U	0.0024	5.8025	--	4	NCEA	--	0.0006
TA	TAS2S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	4	NCEA	--	0.0006
TA	TAS2S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	4	NCEA	--	0.0006
TA	TAS2S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	4	NCEA	--	0.0006
TA	TAS2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.3625	--	70	ORNL Plants phenol	--	0.0006

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TA	TAS3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.3625	--	70	ORNL Plants phenol	--	0.0006
TA	TAS4S1	INORG	HMX	2691-41-0	U	0.33	5.3875	--	600	Exp EcoSSL	--	0.0006
TA	TAS4S1	INORG	HMX	2691-41-0	U	0.34	5.3875	--	600	Exp EcoSSL	--	0.0006
TA	TAS5S1	INORG	HMX	2691-41-0	U	0.34	5.3875	--	600	Exp EcoSSL	--	0.0006
TA	TAS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.3875	--	70	ORNL Plants phenol	--	0.0006
TA	TAS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.045	5.3875	--	70	ORNL Plants phenol	--	0.0006
TA	TAS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.3875	--	70	ORNL Plants phenol	--	0.0006
TA	TAS5S1	INORG	2-Methyl naphthalene	91-57-6	U	0.045	5.3875	--	70	ORNL Plants phenol	--	0.0006
TA	TAS6S1	INORG	HMX	2691-41-0	U	0.34	5.55	--	600	Exp EcoSSL	--	0.0006
TA	TAS6S1	INORG	HMX	2691-41-0	U	0.37	5.55	--	600	Exp EcoSSL	--	0.0006
TA	TAS6S1	INORG	HMX	2691-41-0	U	0.35	5.55	--	600	Exp EcoSSL	--	0.0006
TA	TAS6S1	INORG	HMX	2691-41-0	U	0.35	5.55	--	600	Exp EcoSSL	--	0.0006
TA	TAS6S1	INORG	2-Methyl naphthalene	91-57-6	U	0.045	5.55	--	70	ORNL Plants phenol	--	0.0006
TA	TAS7S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.55	--	70	ORNL Plants phenol	--	0.0006
TA	TAS7S1	INORG	2-Methyl naphthalene	91-57-6	U	0.041	5.55	--	70	ORNL Plants phenol	--	0.0006
TA	TAS7S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.6175	--	4	NCEA	--	0.0006
TA	TAS7S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.6175	--	4	NCEA	--	0.0006
TA	TAS7S1	INORG	HMX	2691-41-0	U	0.33	5.6175	--	600	Exp EcoSSL	--	0.0006
TA	TAS8S1	INORG	HMX	2691-41-0	U	0.35	5.6175	--	600	Exp EcoSSL	--	0.0006
TA	TAS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.04	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.042	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS8S1	INORG	2-Methyl naphthalene	91-57-6	U	0.044	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.041	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.04	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.042	5.6175	--	70	ORNL Plants phenol	--	0.0006
TA	TAS1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TA	TAS2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS2S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TA	TAS2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TA	TAS4S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TA	TAS4S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TA	TAS4S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS5S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS5S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TA	TAS5S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TA	TAS6S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TA	TAS6S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS6S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TA	TAS7S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TA	TAS7S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS7S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS8S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS8S1	Nitroaromatics	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
TA	TAS8S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TA	TAS1S1	SVOC	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS1S1DUP	SVOC	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TA	TAS2S1	SVOC	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS3S1	SVOC	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
TA	TAS4S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.035		--	70	ORNL Plants phenol	--	0.0005
TA	TAS5S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TA	TAS6S1	SVOC	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS7S1	SVOC	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TA	TAS8S1	SVOC	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA1	TRA1S1S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	INORG	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.036		--	70	ORNL Plants phenol	--	0.0005
TRA1	TRA1S1S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA1	TRA1S1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA1	TRA1S3S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.55	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.27	4.55	--	600	Exp EcoSSL	--	0.0005

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA1	TRA1S3S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.32	5.15	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.037	4.55	--	70	ORNL Plants phenol	--	0.0005
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	HMX	2691-41-0	U	0.3	5.335	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	HMX	2691-41-0	U	0.29	5.335	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	HMX	2691-41-0	U	0.3	5.335	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	SVOC	HMX	2691-41-0	U	0.31	5.335	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S2S1	SVOC	HMX	2691-41-0	U	0.31	5.335	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	SVOC	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S4S1 Unspiked	SVOC	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	INORG	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	INORG	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA2	TRA2S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.037		--	70	ORNL Plants phenol	--	0.0005
TRA2	TRA2S2S1	INORG	2-Methyl naphthalene	91-57-6	U	0.037		--	70	ORNL Plants phenol	--	0.0005
TRA2	TRA2S3S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	INORG	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA2	TRA2S3S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA2	TRA2S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA2	TRA2S3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S1S1	SVOC	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S2S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S5S1	SVOC	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S6S1	SVOC	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	INORG	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	INORG	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S4S1	INORG	2-Methyl naphthalene	91-57-6	U	0.038		--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S4S1	INORG	HMX	2691-41-0	U	0.32	5.015	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	INORG	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	INORG	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	INORG	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	INORG	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	INORG	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA3	TRA3S6S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	INORG	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	INORG	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	INORG	2-Methyl naphthalene	91-57-6	U	0.037		--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S8S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	INORG	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	INORG	Perchlorate	14797-73-0	U	0.0021	5.7775	--	4	NCEA	--	0.0005
TRA3	TRA3S9S1	INORG	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	INORG	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	INORG	HMX	2691-41-0	U	0.31	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	Nitroaromatics	HMX	2691-41-0	U	0.28	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	Nitroaromatics	HMX	2691-41-0	U	0.28	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	Nitroaromatics	HMX	2691-41-0	U	0.29	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038	5.7775	--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S4S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038	5.7775	--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S5S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.033	5.7775	--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S5S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	Nitroaromatics	HMX	2691-41-0	U	0.28	5.8025	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	Nitroaromatics	2-Methyl naphthalene	91-57-6	U	0.038	5.8025	--	70	ORNL Plants phenol	--	0.0005
TRA3	TRA3S6S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3875	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	SVOC	HMX	2691-41-0	U	0.31	5.3875	--	600	Exp EcoSSL	--	0.0005

M9-2A: Evaluation of Detection Limits for Surface Soil (Plants)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA3	TRA3S1S1	SVOC	HMX	2691-41-0	U	0.32	5.55	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	SVOC	HMX	2691-41-0	U	0.31	5.55	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S3S1	SVOC	HMX	2691-41-0	U	0.3	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	SVOC	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	SVOC	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S6S1	SVOC	HMX	2691-41-0	U	0.32	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	SVOC	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S8S1	SVOC	HMX	2691-41-0	U	0.3	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S9S1	SVOC	HMX	2691-41-0	U	0.32	5.6175	--	600	Exp EcoSSL	--	0.0005

1	Value is <=2.
5	Value is between 3 and 10.
50	Value is between 11 and 50.

--	No value.
Background	Background used as screening value.
EcoSSL Plants	Ecological Soil Screening Levels for plants, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA481509.
HMX	Octahydro-1,3,7,5-tetranitro-1,3,7,5-tetrazocine.
U	Not detected.
UJ	The chemical was analyzed for and was not present above the level of the associated value.
mg/kg	Milligram per kilogram.
NCEA	USEPA. 2002. Perchlorate Environmental Contamination. http://www.epa.gov/ncea/pdfs/perchlorate/final_rpt.pdf
ORNL Plants	ORNL. Efroymsson, 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on terrestrial plants. http://rais.ornl.gov/documents/tm85r3.pdf
Region 5	USEPA. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels Last accessed March 5, 2009. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
SQL	Sample quantitation level

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
APDA789	APDA789B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	no	--
APDA789	APDA789B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	no	--
APDA789	APDA789B2S1	INORG	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
APDA789	APDA789B3S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
APDA789	APDA789B4S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B103	B103B1S1	INORG	Boron	7440-42-8	U	1.05		8.22	20	ORNL Inverts	no	--
B103	B103B1S1	INORG	Mercury	7439-97-6	U	0.0133		0.09	0.1	ORNL Inverts	no	--
B103	B103B1S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B103	B103B2S1	INORG	Boron	7440-42-8	U	1.05		8.22	20	ORNL Inverts	no	--
B103	B103B2S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B103	B103B3S1	INORG	Boron	7440-42-8	U	0.987		8.22	20	ORNL Inverts	no	--
B103	B103B3S1	INORG	Thallium	7440-28-0	U	1.61		4.1	4.1	Background	no	--
B104145	B104145B1S1	INORG	Thallium	7440-28-0	U	1.67		4.1	4.1	Background	no	--
B104145	B104145B1S1DUP	INORG	Thallium	7440-28-0	U	1.62		4.1	4.1	Background	no	--
B104145	B104145B2S1	INORG	Boron	7440-42-8	U	1.16		8.22	20	ORNL Inverts	no	--
B104145	B104145B2S1	INORG	Thallium	7440-28-0	U	1.89		4.1	4.1	Background	no	--
B104145	B104145B3S1	INORG	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B104145	B104145B4S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B104145	B104145B5S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B104145	B104145B6S1	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B104145	B104145B7S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
B104145	B104145B7S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B104145	B104145B8S1	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B105139	B105139B10S1	INORG	Boron	7440-42-8	U	5.37		8.22	20	ORNL Inverts	no	--
B105139	B105139B10S1	INORG	Mercury	7439-97-6	U	0.0136		0.09	0.1	ORNL Inverts	no	--
B105139	B105139B11S1	INORG	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B105139	B105139B12S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
B105139	B105139B12S1	INORG	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B105139	B105139B13S1	INORG	Boron	7440-42-8	U	1.18		8.22	20	ORNL Inverts	no	--
B105139	B105139B13S1	INORG	Thallium	7440-28-0	U	1.93		4.1	4.1	Background	no	--
B105139	B105139B14S1	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
B105139	B105139B14S1	INORG	Thallium	7440-28-0	U	1.74		4.1	4.1	Background	no	--
B105139	B105139B1S1	INORG	Boron	7440-42-8	U	1.01		8.22	20	ORNL Inverts	no	--
B105139	B105139B1S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B105139	B105139B2S1	INORG	Boron	7440-42-8	U	1.06		8.22	20	ORNL Inverts	no	--
B105139	B105139B2S1	INORG	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B105139	B105139B3S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B105139	B105139B3S1DUP	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B105139	B105139B4S1	INORG	Boron	7440-42-8	U	0.942		8.22	20	ORNL Inverts	no	--
B105139	B105139B4S1	INORG	Thallium	7440-28-0	U	1.54		4.1	4.1	Background	no	--
B105139	B105139B5S1	INORG	Boron	7440-42-8	U	0.997		8.22	20	ORNL Inverts	no	--
B105139	B105139B5S1	INORG	Thallium	7440-28-0	U	1.62		4.1	4.1	Background	no	--
B105139	B105139B6S1	INORG	Boron	7440-42-8	U	1.11		8.22	20	ORNL Inverts	no	--
B105139	B105139B6S1	INORG	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B105139	B105139B7S1	INORG	Boron	7440-42-8	U	1.01		8.22	20	ORNL Inverts	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B105139	B105139B7S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.1	ORNL Inverts	no	--
B105139	B105139B7S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B105139	B105139B8S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B105139	B105139B9S1	INORG	Boron	7440-42-8	U	0.908		8.22	20	ORNL Inverts	no	--
B105139	B105139B9S1	INORG	Thallium	7440-28-0	U	1.48		4.1	4.1	Background	no	--
B106	B106S2S1	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
B107	B107B1S1	INORG	Mercury	7439-97-6	U	0.0411		0.09	0.1	ORNL Inverts	no	--
B107	B107B1S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B107	B107B2S1	INORG	Mercury	7439-97-6	U	0.0324		0.09	0.1	ORNL Inverts	no	--
B107	B107B2S1	INORG	Thallium	7440-28-0	U	1.83		4.1	4.1	Background	no	--
B107	B107B3S1	INORG	Mercury	7439-97-6	U	0.0151		0.09	0.1	ORNL Inverts	no	--
B107	B107B3S1	INORG	Thallium	7440-28-0	U	1.96		4.1	4.1	Background	no	--
B107	B107B4S1	INORG	Mercury	7439-97-6	U	0.0123		0.09	0.1	ORNL Inverts	no	--
B107	B107B4S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B107	B107B5S1	INORG	Mercury	7439-97-6	U	0.0421		0.09	0.1	ORNL Inverts	no	--
B107	B107B5S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B107	B107B6S1	INORG	Mercury	7439-97-6	U	0.0169		0.09	0.1	ORNL Inverts	no	--
B107	B107B6S1	INORG	Thallium	7440-28-0	U	2.29		4.1	4.1	Background	no	--
B107	B107S1S1	INORG	Mercury	7439-97-6	U	0.0438		0.09	0.1	ORNL Inverts	no	--
B107	B107S1S1	INORG	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B109137	B109137B1S1	INORG	Boron	7440-42-8	U	5.34		8.22	20	ORNL Inverts	no	--
B109137	B109137B2S1	INORG	Boron	7440-42-8	U	5.74		8.22	20	ORNL Inverts	no	--
B110111112	B110111112B3S1	INORG	Boron	7440-42-8	U	5.41		8.22	20	ORNL Inverts	no	--
B110111112	B110111112B5S1	INORG	Boron	7440-42-8	U	5.25		8.22	20	ORNL Inverts	no	--
B110111112	B110111112B6S1	INORG	Boron	7440-42-8	U	5.47		8.22	20	ORNL Inverts	no	--
B113	B113B3S1	INORG	Mercury	7439-97-6	U	0.0121		0.09	0.1	ORNL Inverts	no	--
B113	B113B3S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B113	B113B4S1	INORG	Mercury	7439-97-6	U	0.0131		0.09	0.1	ORNL Inverts	no	--
B113	B113B7S1	INORG	Boron	7440-42-8	U	5.27		8.22	20	ORNL Inverts	no	--
B113	B113B8S1	INORG	Boron	7440-42-8	U	1.01		8.22	20	ORNL Inverts	no	--
B113	B113B8S1	INORG	Mercury	7439-97-6	U	0.0133		0.09	0.1	ORNL Inverts	no	--
B114	B114B2S1	INORG	Boron	7440-42-8	U	1.03		8.22	20	ORNL Inverts	no	--
B114	B114B2S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B114	B114B2S1DUP	INORG	Boron	7440-42-8	U	1.03		8.22	20	ORNL Inverts	no	--
B114	B114B2S1DUP	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B114	B114B3S1	INORG	Boron	7440-42-8	U	5.35		8.22	20	ORNL Inverts	no	--
B115	B115B1S1	INORG	Mercury	7439-97-6	U	0.0427		0.09	0.1	ORNL Inverts	no	--
B115	B115B1S1	INORG	Thallium	7440-28-0	U	1.64		4.1	4.1	Background	no	--
B115	B115B2S1	INORG	Boron	7440-42-8	U	1.2		8.22	20	ORNL Inverts	no	--
B115	B115B3S1	INORG	Mercury	7439-97-6	U	0.0369		0.09	0.1	ORNL Inverts	no	--
B115	B115B3S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B115	B115B4S1	INORG	Boron	7440-42-8	U	1.16		8.22	20	ORNL Inverts	no	--
B115	B115B4S1	INORG	Mercury	7439-97-6	U	0.0147		0.09	0.1	ORNL Inverts	no	--
B115	B115B4S1	INORG	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B116128	B116128B1S1	INORG	Mercury	7439-97-6	U	0.0141	5.55	0.09	0.1	ORNL Inverts	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B116128	B116128B1S1	INORG	Thallium	7440-28-0	U	1.75	5.55	4.1	4.1	Background	no	--
B116128	B116128B3S1	INORG	Mercury	7439-97-6	U	0.0186	4.55	0.09	0.1	ORNL Inverts	no	--
B117	B117B1S1	INORG	Thallium	7440-28-0	U	1.71	5.335	4.1	4.1	Background	no	--
B117	B117S1S1	INORG	Thallium	7440-28-0	U	1.66	5.335	4.1	4.1	Background	no	--
B117	B117S1S1DUP	INORG	Thallium	7440-28-0	U	1.69	5.335	4.1	4.1	Background	no	--
B117	B117S2S1 Unspiked	INORG	Thallium	7440-28-0	U	1.8	5.335	4.1	4.1	Background	no	--
B117	B117S3S1	INORG	Thallium	7440-28-0	U	1.86	5.335	4.1	4.1	Background	no	--
B119120	B119120B4S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.1	ORNL Inverts	no	--
B122	B122B10S1	INORG	Boron	7440-42-8	U	1.02		8.22	20	ORNL Inverts	no	--
B122	B122B10S1	INORG	Mercury	7439-97-6	U	0.013		0.09	0.1	ORNL Inverts	no	--
B122	B122B10S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B122	B122B1S1	INORG	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B122	B122B2S1	INORG	Boron	7440-42-8	U	1.02		8.22	20	ORNL Inverts	no	--
B122	B122B2S1	INORG	Mercury	7439-97-6	U	0.0128		0.09	0.1	ORNL Inverts	no	--
B122	B122B2S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B122	B122B3S1	INORG	Boron	7440-42-8	U	1.03		8.22	20	ORNL Inverts	no	--
B122	B122B3S1	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B122	B122B5S1	INORG	Boron	7440-42-8	U	1.15		8.22	20	ORNL Inverts	no	--
B122	B122B5S1	INORG	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
B122	B122B6S1	INORG	Boron	7440-42-8	U	1.18		8.22	20	ORNL Inverts	no	--
B122	B122B6S1	INORG	Thallium	7440-28-0	U	1.92		4.1	4.1	Background	no	--
B122	B122B7S1	INORG	Boron	7440-42-8	U	0.968		8.22	20	ORNL Inverts	no	--
B122	B122B7S1	INORG	Mercury	7439-97-6	U	0.0127		0.09	0.1	ORNL Inverts	no	--
B122	B122B7S1	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B122	B122B7S1-DUP	INORG	Boron	7440-42-8	U	0.972		8.22	20	ORNL Inverts	no	--
B122	B122B7S1-DUP	INORG	Thallium	7440-28-0	U	1.58		4.1	4.1	Background	no	--
B122	B122B8S1	INORG	Thallium	7440-28-0	U	1.69		4.1	4.1	Background	no	--
B122	B122B9S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B123	B123B1S1	INORG	Boron	7440-42-8	U	2.78		8.22	20	ORNL Inverts	no	--
B123	B123S2S1	INORG	Boron	7440-42-8	U	3.06		8.22	20	ORNL Inverts	no	--
B123	B123S2S1	INORG	Thallium	7440-28-0	U	1.6		4.1	4.1	Background	no	--
B124135	B124135S1S1	INORG	Thallium	7440-28-0	U	1.74		4.1	4.1	Background	no	--
B124135	B124135S1S1DUP	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B125136	B125136B1S1	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
B125136	B125136B1S1	INORG	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B125136	B125136B2S1	INORG	Boron	7440-42-8	U	1.08		8.22	20	ORNL Inverts	no	--
B125136	B125136B2S1	INORG	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B125136	B125136B3S1	INORG	Boron	7440-42-8	U	1.11		8.22	20	ORNL Inverts	no	--
B125136	B125136B3S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B125136	B125136S1S1	INORG	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B125136	B125136S1S1DUP	INORG	Boron	7440-42-8	U	5.73		8.22	20	ORNL Inverts	no	--
B125136	B125136S1S1DUP	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B125136	B125136S2S1	INORG	Boron	7440-42-8	U	1.1		8.22	20	ORNL Inverts	no	--
B125136	B125136S2S1	INORG	Thallium	7440-28-0	U	1.73		4.1	4.1	Background	no	--
B125136	B125136S3S1	INORG	Boron	7440-42-8	U	2.75		8.22	20	ORNL Inverts	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B125136	B125136S3S1	INORG	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
B125136	B125136S4S1	INORG	Boron	7440-42-8	U	2.26		8.22	20	ORNL Inverts	no	--
B125136	B125136S4S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B125136	B125136S5S1	INORG	Boron	7440-42-8	U	5.33		8.22	20	ORNL Inverts	no	--
B125136	B125136S5S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B125136	B125136S6S1	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B125136	B125136S7S1	INORG	Boron	7440-42-8	U	1.06		8.22	20	ORNL Inverts	no	--
B125136	B125136S7S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B125136	B125136S8S1	INORG	Boron	7440-42-8	U	1.16		8.22	20	ORNL Inverts	no	--
B134	B134S1S1	INORG	Mercury	7439-97-6	U	0.0142		0.09	0.1	ORNL Inverts	no	--
B134	B134S1S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B134	B134S2S1	INORG	Mercury	7439-97-6	U	0.0142		0.09	0.1	ORNL Inverts	no	--
B134	B134S2S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B134	B134S3S1	INORG	Boron	7440-42-8	U	6.5		8.22	20	ORNL Inverts	no	--
B134	B134S3S1	INORG	Mercury	7439-97-6	U	0.0126		0.09	0.1	ORNL Inverts	no	--
B134	B134S3S1	INORG	Thallium	7440-28-0	U	1.63		4.1	4.1	Background	no	--
B134	B134S4S1	INORG	Thallium	7440-28-0	U	1.9		4.1	4.1	Background	no	--
B142	B142B1S1	INORG	Mercury	7439-97-6	U	0.017		0.09	0.1	ORNL Inverts	no	--
B142	B142B1S1	INORG	Thallium	7440-28-0	U	2.11		4.1	4.1	Background	no	--
B142	B142B1S1DUP	INORG	Mercury	7439-97-6	U	0.0163		0.09	0.1	ORNL Inverts	no	--
B142	B142B1S1DUP	INORG	Thallium	7440-28-0	U	2.15		4.1	4.1	Background	no	--
B142	B142B2S1 Unspiked	INORG	Mercury	7439-97-6	U	0.014		0.09	0.1	ORNL Inverts	no	--
B142	B142B2S1 Unspiked	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B142	B142B3S1	INORG	Boron	7440-42-8	U	1.15		8.22	20	ORNL Inverts	no	--
B142	B142B3S1	INORG	Mercury	7439-97-6	U	0.0145		0.09	0.1	ORNL Inverts	no	--
B142	B142B3S1	INORG	Thallium	7440-28-0	U	1.87		4.1	4.1	Background	no	--
B142	B142B4S1	INORG	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B143	B143B1S1	INORG	Mercury	7439-97-6	UJ	0.0325		0.09	0.1	ORNL Inverts	no	--
B143	B143B1S1	INORG	Thallium	7440-28-0	U	2.15		4.1	4.1	Background	no	--
B143	B143B2S1	INORG	Boron	7440-42-8	U	1.36		8.22	20	ORNL Inverts	no	--
B143	B143B2S1	INORG	Mercury	7439-97-6	U	0.0181		0.09	0.1	ORNL Inverts	no	--
B143	B143B2S1	INORG	Thallium	7440-28-0	U	2.22		4.1	4.1	Background	no	--
B143	B143B3S1	INORG	Boron	7440-42-8	U	1.37		8.22	20	ORNL Inverts	no	--
B143	B143B3S1	INORG	Mercury	7439-97-6	U	0.0172		0.09	0.1	ORNL Inverts	no	--
B143	B143B3S1	INORG	Thallium	7440-28-0	U	2.23		4.1	4.1	Background	no	--
B144	B144B1S1	INORG	Boron	7440-42-8	U	5.91		8.22	20	ORNL Inverts	no	--
B144	B144B1S1	INORG	Mercury	7439-97-6	U	0.0149		0.09	0.1	ORNL Inverts	no	--
B146	B146B1S1	INORG	Boron	7440-42-8	U	1.01		8.22	20	ORNL Inverts	no	--
B147	B147B10S1	INORG	Thallium	7440-28-0	U	1.84		4.1	4.1	Background	no	--
B147	B147B11S1	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B147	B147B12S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B147	B147B1S1	INORG	Thallium	7440-28-0	U	1.83		4.1	4.1	Background	no	--
B147	B147B2S1	INORG	Mercury	7439-97-6	U	0.0158		0.09	0.1	ORNL Inverts	no	--
B147	B147B2S1	INORG	Thallium	7440-28-0	U	2.13		4.1	4.1	Background	no	--
B147	B147B3S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B147	B147B4S1	INORG	Thallium	7440-28-0	U	1.85		4.1	4.1	Background	no	--
B147	B147B5S1	INORG	Boron	7440-42-8	U	1.49		8.22	20	ORNL Inverts	no	--
B147	B147B5S1	INORG	Mercury	7439-97-6	U	0.0693		0.09	0.1	ORNL Inverts	no	--
B147	B147B5S1	INORG	Thallium	7440-28-0	U	2.43		4.1	4.1	Background	no	--
B147	B147B6S1	INORG	Mercury	7439-97-6	U	0.0147		0.09	0.1	ORNL Inverts	no	--
B147	B147B6S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B147	B147B6S1DUP	INORG	Mercury	7439-97-6	U	0.0561		0.09	0.1	ORNL Inverts	no	--
B147	B147B6S1DUP	INORG	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B147	B147B7S1	INORG	Thallium	7440-28-0	U	1.98		4.1	4.1	Background	no	--
B147	B147B8S1	INORG	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B147	B147B9S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--
B148	B148B1S1	INORG	Boron	7440-42-8	U	1.06		8.22	20	ORNL Inverts	no	--
B148	B148B2S1	INORG	Boron	7440-42-8	U	1.01		8.22	20	ORNL Inverts	no	--
B148	B148B2S1	INORG	Copper	7440-50-8	UJ	0.253		52.77	80	EcoSSL Inverts	no	--
B148	B148B2S1DUP	INORG	Boron	7440-42-8	U	1.05		8.22	20	ORNL Inverts	no	--
B148	B148B2S1DUP	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
B148	B148B3S1	INORG	Boron	7440-42-8	U	1.15		8.22	20	ORNL Inverts	no	--
B149	B149B1S1	INORG	Thallium	7440-28-0	U	1.72		4.1	4.1	Background	no	--
B149	B149B2S1	INORG	Thallium	7440-28-0	U	1.78		4.1	4.1	Background	no	--
B149	B149B3S1	INORG	Thallium	7440-28-0	U	1.71		4.1	4.1	Background	no	--
B149	B149B4S1	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
B149	B149B5S1	INORG	Thallium	7440-28-0	U	1.63		4.1	4.1	Background	no	--
B149	B149S1S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
B149	B149S1S1DUP	INORG	Thallium	7440-28-0	U	1.8		4.1	4.1	Background	no	--
B150151	B150151B1S1DUP	INORG	Boron	7440-42-8	U	1.15		8.22	20	ORNL Inverts	no	--
B150151	B150151B2S1	INORG	Boron	7440-42-8	U	1.04		8.22	20	ORNL Inverts	no	--
B150151	B150151B3S1	INORG	Boron	7440-42-8	U	1.06		8.22	20	ORNL Inverts	no	--
B152	B152S3S1	INORG	Boron	7440-42-8	U	5.75		8.22	20	ORNL Inverts	no	--
B153	B153B1S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
B153	B153B1S1DUP	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
B153	B153B3S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
B153	B153S1S1	INORG	Boron	7440-42-8	U	1.17		8.22	20	ORNL Inverts	no	--
B153	B153S1S1	INORG	Thallium	7440-28-0	U	1.93		4.1	4.1	Background	no	--
B154	B154B1S1	INORG	Mercury	7439-97-6	U	0.0128		0.09	0.1	ORNL Inverts	no	--
B154	B154S2S1	INORG	Mercury	7439-97-6	U	0.0125		0.09	0.1	ORNL Inverts	no	--
B155	B155B1S1	INORG	Thallium	7440-28-0	U	1.84	5.015	4.1	4.1	Background	no	--
B155	B155B3S1	INORG	Boron	7440-42-8	U	1.06	5.015	8.22	20	ORNL Inverts	no	--
B155	B155B4S1	INORG	Boron	7440-42-8	U	1.08	5.015	8.22	20	ORNL Inverts	no	--
B155	B155S1S1	INORG	Boron	7440-42-8	U	5.49	5.015	8.22	20	ORNL Inverts	no	--
B155	B155S1S1DUP	INORG	Boron	7440-42-8	U	5.48	5.015	8.22	20	ORNL Inverts	no	--
B155	B155S2S1	INORG	Thallium	7440-28-0	U	2.41	5.015	4.1	4.1	Background	no	--
B156	B156B1S1	INORG	Thallium	7440-28-0	U	2.08		4.1	4.1	Background	no	--
B156	B156S1S1	INORG	Thallium	7440-28-0	U	1.89		4.1	4.1	Background	no	--
B156	B156S2S1	INORG	Thallium	7440-28-0	U	1.88		4.1	4.1	Background	no	--
B-E-R	BERS1S1	INORG	Boron	7440-42-8	U	1.24		8.22	20	ORNL Inverts	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B-E-R	BERS1S1	INORG	Thallium	7440-28-0	U	2.01		4.1	4.1	Background	no	--
B-E-R	BERS2S1	INORG	Boron	7440-42-8	U	1.08		8.22	20	ORNL Inverts	no	--
B-E-R	BERS2S1	INORG	Mercury	7439-97-6	U	0.0139		0.09	0.1	ORNL Inverts	no	--
B-E-R	BERS2S1	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
B-E-R	BERS3S1	INORG	Boron	7440-42-8	U	1.02		8.22	20	ORNL Inverts	no	--
B-E-R	BERS3S1	INORG	Mercury	7439-97-6	U	0.0134		0.09	0.1	ORNL Inverts	no	--
B-E-R	BERS3S1	INORG	Thallium	7440-28-0	U	1.66		4.1	4.1	Background	no	--
B-E-R	BERS3S1DUP	INORG	Boron	7440-42-8	U	1.03		8.22	20	ORNL Inverts	no	--
B-E-R	BERS3S1DUP	INORG	Mercury	7439-97-6	U	0.0132		0.09	0.1	ORNL Inverts	no	--
B-E-R	BERS3S1DUP	INORG	Thallium	7440-28-0	U	1.68		4.1	4.1	Background	no	--
BGS	BGS10S1	INORG	Boron	7440-42-8	U	5.38		8.22	20	ORNL Inverts	no	--
BGS	BGS10S1	INORG	Thallium	7440-28-0	UJ	1.75		4.1	4.1	Background	no	--
BGS	BGS11S1	INORG	Boron	7440-42-8	U	5.13		8.22	20	ORNL Inverts	no	--
BGS	BGS11S1	INORG	Thallium	7440-28-0	UJ	1.67		4.1	4.1	Background	no	--
BGS	BGS12S1	INORG	Boron	7440-42-8	U	1.04		8.22	20	ORNL Inverts	no	--
BGS	BGS12S1	INORG	Thallium	7440-28-0	UJ	1.7		4.1	4.1	Background	no	--
BGS	BGS1S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
BGS	BGS1S1	INORG	Thallium	7440-28-0	UJ	1.78		4.1	4.1	Background	no	--
BGS	BGS2S1	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
BGS	BGS2S1	INORG	Thallium	7440-28-0	UJ	1.74		4.1	4.1	Background	no	--
BGS	BGS3S1	INORG	Boron	7440-42-8	U	5.45		8.22	20	ORNL Inverts	no	--
BGS	BGS3S1	INORG	Thallium	7440-28-0	UJ	1.78		4.1	4.1	Background	no	--
BGS	BGS4S1	INORG	Boron	7440-42-8	U	1.1		8.22	20	ORNL Inverts	no	--
BGS	BGS4S1	INORG	Thallium	7440-28-0	UJ	3.59		4.1	4.1	Background	no	--
BGS	BGS5S1	INORG	Boron	7440-42-8	U	5.25		8.22	20	ORNL Inverts	no	--
BGS	BGS5S1	INORG	Thallium	7440-28-0	UJ	1.71		4.1	4.1	Background	no	--
BGS	BGS6S1	INORG	Thallium	7440-28-0	UJ	1.7		4.1	4.1	Background	no	--
BGS	BGS7S1	INORG	Thallium	7440-28-0	UJ	1.82		4.1	4.1	Background	no	--
BGS	BGS8S1	INORG	Boron	7440-42-8	U	1.07		8.22	20	ORNL Inverts	no	--
BGS	BGS8S1	INORG	Thallium	7440-28-0	UJ	3.49		4.1	4.1	Background	no	--
BGS	BGS9S1	INORG	Boron	7440-42-8	U	5.72		8.22	20	ORNL Inverts	no	--
BGS	BGS9S1	INORG	Thallium	7440-28-0	UJ	1.86		4.1	4.1	Background	no	--
BP	BPB1S1	INORG	Boron	7440-42-8	U	1.11		8.22	20	ORNL Inverts	no	--
BP	BPB1S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
BP	BPB2S1	INORG	Boron	7440-42-8	U	1.03		8.22	20	ORNL Inverts	no	--
BP	BPB2S1	INORG	Thallium	7440-28-0	U	1.67		4.1	4.1	Background	no	--
BP	BPS1S1	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
BP	BPS1S1DUP	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
BP	BPS2S1	INORG	Thallium	7440-28-0	U	2.09		4.1	4.1	Background	no	--
DA23	DA23B2S1	INORG	Thallium	7440-28-0	U	1.94		4.1	4.1	Background	no	--
DA23	DA23B3S1	INORG	Boron	7440-42-8	U	1.11		8.22	20	ORNL Inverts	no	--
DA23	DA23B3S1	INORG	Thallium	7440-28-0	U	1.81		4.1	4.1	Background	no	--
DA23	DA23S1S1	INORG	Boron	7440-42-8	U	1.09		8.22	20	ORNL Inverts	no	--
DA23	DA23S1S1	INORG	Mercury	7439-97-6	U	0.0138		0.09	0.1	ORNL Inverts	no	--
DA23	DA23S1S1	INORG	Thallium	7440-28-0	U	1.79		4.1	4.1	Background	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DA23	DA23S1S1DUP	INORG	Boron	7440-42-8	U	1.1		8.22	20	ORNL Inverts	no	--
DA23	DA23S1S1DUP	INORG	Mercury	7439-97-6	U	0.014		0.09	0.1	ORNL Inverts	no	--
DA23	DA23S1S1DUP	INORG	Thallium	7440-28-0	U	1.76		4.1	4.1	Background	no	--
DEBAREA1	DebrisArea1S1S1DUP	INORG	Boron	7440-42-8	UJ	5.06	5.7775	8.22	20	ORNL Inverts	no	--
DUMP	DUMPS1S1	INORG	Mercury	7439-97-6	U	0.0138		0.09	0.1	ORNL Inverts	no	--
DUMP	DUMPS1S1	INORG	Thallium	7440-28-0	U	1.75		4.1	4.1	Background	no	--
DUMP	DUMPS1S1DUP	INORG	Boron	7440-42-8	U	7.94		8.22	20	ORNL Inverts	no	--
DUMP	DUMPS1S1DUP	INORG	Mercury	7439-97-6	U	0.0136		0.09	0.1	ORNL Inverts	no	--
DUMP	DUMPS1S1DUP	INORG	Thallium	7440-28-0	U	1.77		4.1	4.1	Background	no	--
DUMP	DUMPTP1S1	INORG	Boron	7440-42-8	U	1.1		8.22	20	ORNL Inverts	no	--
DUMP	DUMPTP3S1	INORG	Boron	7440-42-8	U	1.26		8.22	20	ORNL Inverts	no	--
DUMP	DUMPTP3S1	INORG	Thallium	7440-28-0	U	2.05		4.1	4.1	Background	no	--
TA	TAS1S1	INORG	Boron	7440-42-8	U	1.04	5.3625	8.22	20	ORNL Inverts	no	--
TA	TAS1S1	INORG	Thallium	7440-28-0	U	1.69	5.3625	4.1	4.1	Background	no	--
TA	TAS1S1DUP	INORG	Boron	7440-42-8	U	1.05	5.3625	8.22	20	ORNL Inverts	no	--
TA	TAS1S1DUP	INORG	Thallium	7440-28-0	U	1.7	5.3625	4.1	4.1	Background	no	--
TA	TAS2S1	INORG	Boron	7440-42-8	U	5.51	5.3625	8.22	20	ORNL Inverts	no	--
TA	TAS4S1	INORG	Thallium	7440-28-0	U	1.75	5.3625	4.1	4.1	Background	no	--
TA	TAS5S1	INORG	Boron	7440-42-8	U	1.08	5.3625	8.22	20	ORNL Inverts	no	--
TA	TAS6S1	INORG	Boron	7440-42-8	U	1.07	5.3625	8.22	20	ORNL Inverts	no	--
TA	TAS7S1	INORG	Thallium	7440-28-0	U	1.83	5.3625	4.1	4.1	Background	no	--
TA	TAS8S1	INORG	Thallium	7440-28-0	U	1.68	5.3625	4.1	4.1	Background	no	--
TRA1	TRA1S1S1	INORG	Thallium	7440-28-0	U	1.78	5.3875	4.1	4.1	Background	no	--
TRA1	TRA1S2S1	INORG	Thallium	7440-28-0	U	1.85	5.3875	4.1	4.1	Background	no	--
TRA1	TRA1S3S1	INORG	Thallium	7440-28-0	U	1.98	5.3875	4.1	4.1	Background	no	--
TRA1	TRA1S3S1DUP	INORG	Thallium	7440-28-0	U	1.8	5.3875	4.1	4.1	Background	no	--
TRA1	TRA1S4S1 Unspiked	INORG	Thallium	7440-28-0	U	1.86	5.3875	4.1	4.1	Background	no	--
TRA2	TRA2S1S1	INORG	Thallium	7440-28-0	U	1.91	5.55	4.1	4.1	Background	no	--
TRA2	TRA2S2S1	INORG	Thallium	7440-28-0	U	2.1	5.55	4.1	4.1	Background	no	--
TRA2	TRA2S3S1	INORG	Boron	7440-42-8	U	7.13	5.55	8.22	20	ORNL Inverts	no	--
TRA2	TRA2S3S1	INORG	Thallium	7440-28-0	U	1.82	5.55	4.1	4.1	Background	no	--
TRA2	TRA2S4S1	INORG	Boron	7440-42-8	U	4.32	5.55	8.22	20	ORNL Inverts	no	--
TRA2	TRA2S4S1	INORG	Thallium	7440-28-0	U	1.74	5.55	4.1	4.1	Background	no	--
TRA2	TRA2S5S1	INORG	Thallium	7440-28-0	U	2	5.55	4.1	4.1	Background	no	--
TRA2	TRA2S6S1	INORG	Thallium	7440-28-0	U	2.01	5.55	4.1	4.1	Background	no	--
TRA3	TRA3S10S1	INORG	Thallium	7440-28-0	U	1.65	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S1S1	INORG	Mercury	7439-97-6	U	0.0134	5.6175	0.09	0.1	ORNL Inverts	no	--
TRA3	TRA3S1S1	INORG	Thallium	7440-28-0	U	1.81	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S2S1	INORG	Thallium	7440-28-0	U	1.75	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S3S1	INORG	Thallium	7440-28-0	U	1.86	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S4S1	INORG	Thallium	7440-28-0	U	1.78	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S5S1	INORG	Thallium	7440-28-0	U	1.73	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S6S1	INORG	Thallium	7440-28-0	U	1.74	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S7S1	INORG	Thallium	7440-28-0	U	1.76	5.6175	4.1	4.1	Background	no	--
TRA3	TRA3S8S1	INORG	Thallium	7440-28-0	U	1.75	5.6175	4.1	4.1	Background	no	--

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA3	TRA3S9S1	INORG	Thallium	7440-28-0	U	1.98	5.6175	4.1	4.1	Background	no	--
B113	B113B11S1DUP	INORG	Thallium	7440-28-0	U	35		4.1	4.1	Background	yes	9
B113	B113B11S1	INORG	Thallium	7440-28-0	U	34.7		4.1	4.1	Background	yes	8
B113	B113B4S1	INORG	Thallium	7440-28-0	U	32.6		4.1	4.1	Background	yes	8
TA	TAS3S1	INORG	Thallium	7440-28-0	U	17.5	5.3625	4.1	4.1	Background	yes	4
APDA789	APDA789B5S1	INORG	Thallium	7440-28-0	U	9.25		4.1	4.1	Background	yes	2
APDA789	APDA789B6S1	INORG	Thallium	7440-28-0	U	8.85		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1	INORG	Thallium	7440-28-0	U	9.89		4.1	4.1	Background	yes	2
APDA789	APDA789B7S1DUP	INORG	Thallium	7440-28-0	U	9.94		4.1	4.1	Background	yes	2
APDA789	APDA789B8S1	INORG	Thallium	7440-28-0	U	9.4		4.1	4.1	Background	yes	2
B105139	B105139B10S1	INORG	Thallium	7440-28-0	U	8.74		4.1	4.1	Background	yes	2
B109137	B109137B1S1	INORG	Thallium	7440-28-0	U	8.7		4.1	4.1	Background	yes	2
B109137	B109137B2S1	INORG	Thallium	7440-28-0	U	9.35		4.1	4.1	Background	yes	2
B110111112	B110111112B3S1	INORG	Thallium	7440-28-0	U	8.82		4.1	4.1	Background	yes	2
B110111112	B110111112B5S1	INORG	Thallium	7440-28-0	U	8.55		4.1	4.1	Background	yes	2
B110111112	B110111112B6S1	INORG	Thallium	7440-28-0	U	8.92		4.1	4.1	Background	yes	2
B113	B113B1S1	INORG	Thallium	7440-28-0	U	8.81		4.1	4.1	Background	yes	2
B113	B113B8S1	INORG	Thallium	7440-28-0	U	8.11		4.1	4.1	Background	yes	2
B114	B114B3S1	INORG	Thallium	7440-28-0	U	8.72		4.1	4.1	Background	yes	2
B116128	B116128B3S1	INORG	Thallium	7440-28-0	U	7.71	4.55	4.1	4.1	Background	yes	2
B117	B117S4S1	INORG	Thallium	7440-28-0	U	8.97	5.335	4.1	4.1	Background	yes	2
B119120	B119120S1S1	INORG	Thallium	7440-28-0	U	8.86		4.1	4.1	Background	yes	2
B123	B123S1S1	INORG	Thallium	7440-28-0	U	8.86		4.1	4.1	Background	yes	2
B123	B123S3S1	INORG	Thallium	7440-28-0	U	8.96		4.1	4.1	Background	yes	2
B125136	B125136S8S1	INORG	Thallium	7440-28-0	U	9.37		4.1	4.1	Background	yes	2
B144	B144B1S1	INORG	Thallium	7440-28-0	U	9.64		4.1	4.1	Background	yes	2
B152	B152S1S1	INORG	Thallium	7440-28-0	U	8.68		4.1	4.1	Background	yes	2
B152	B152S3S1	INORG	Thallium	7440-28-0	U	9.36		4.1	4.1	Background	yes	2
B153	B153B2S1	INORG	Thallium	7440-28-0	U	8.23		4.1	4.1	Background	yes	2
B154	B154S2S1	INORG	Thallium	7440-28-0	U	8.29		4.1	4.1	Background	yes	2
B155	B155B4S1	INORG	Thallium	7440-28-0	U	8.79	5.015	4.1	4.1	Background	yes	2
B155	B155S1S1	INORG	Thallium	7440-28-0	U	8.95	5.015	4.1	4.1	Background	yes	2
B155	B155S1S1DUP	INORG	Thallium	7440-28-0	U	8.93	5.015	4.1	4.1	Background	yes	2
BVL	BVLS1S1	INORG	Thallium	7440-28-0	U	7.92		4.1	4.1	Background	yes	2
DEBAREA1	DebrisArea1S1S1DUP	INORG	Thallium	7440-28-0	UJ	8.25	5.7775	4.1	4.1	Background	yes	2
B134	B134S4S1	INORG	Boron	7440-42-8	U	14		8.22	20	ORNL Inverts	yes	0.7
B125136	B125136S6S1	INORG	Boron	7440-42-8	U	12.3		8.22	20	ORNL Inverts	yes	0.6
DUMP	DUMPTP5S1	INORG	Boron	7440-42-8	U	11.5		8.22	20	ORNL Inverts	yes	0.6
TRA2	TRA2S1S1	INORG	Boron	7440-42-8	U	12	5.55	8.22	20	ORNL Inverts	yes	0.6
TRA2	TRA2S6S1	INORG	Boron	7440-42-8	U	11.2	5.55	8.22	20	ORNL Inverts	yes	0.6
B134	B134S2S1	INORG	Boron	7440-42-8	U	10.3		8.22	20	ORNL Inverts	yes	0.5
BGS	BGS6S1	INORG	Boron	7440-42-8	U	10.4		8.22	20	ORNL Inverts	yes	0.5
TA	TAS3S1	INORG	Boron	7440-42-8	U	10.7	5.3625	8.22	20	ORNL Inverts	yes	0.5
TRA2	TRA2S2S1	INORG	Boron	7440-42-8	U	9.35	5.55	8.22	20	ORNL Inverts	yes	0.5
TRA2	TRA2S5S1	INORG	Boron	7440-42-8	U	9.22	5.55	8.22	20	ORNL Inverts	yes	0.5

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B134	B134S1S1	INORG	Boron	7440-42-8	U	8.59		8.22	20	ORNL Inverts	yes	0.4
DUMP	DUMPS1S1	INORG	Boron	7440-42-8	U	8.36		8.22	20	ORNL Inverts	yes	0.4
APDA789	APDA789B1S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
APDA789	APDA789B3S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
APDA789	APDA789B4S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
APDA789	APDA789B5S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
APDA789	APDA789B6S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
APDA789	APDA789B7S1	INORG	Cyanide	57-12-5	U	0.24		--	1.33	Region 5	--	0.2
APDA789	APDA789B7S1DUP	INORG	Cyanide	57-12-5	U	0.25		--	1.33	Region 5	--	0.2
APDA789	APDA789B8S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B104145	B104145B1S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B104145	B104145B1S1DUP	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B104145	B104145B2S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B104145	B104145B3S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B104145	B104145B4S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B104145	B104145B5S1	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B104145	B104145B6S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B104145	B104145B7S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B104145	B104145B8S1	INORG	Cyanide	57-12-5	U	0.23		--	1.33	Region 5	--	0.2
B113	B113B10S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B113	B113B11S1	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B113	B113B11S1DUP	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B113	B113B1S1	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B113	B113B2S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B113	B113B4S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B113	B113B5S1	INORG	Cyanide	57-12-5	U	0.2		--	1.33	Region 5	--	0.2
B113	B113B7S1	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B113	B113B8S1	INORG	Cyanide	57-12-5	U	0.21		--	1.33	Region 5	--	0.2
B113	B113B9S1	INORG	Cyanide	57-12-5	U	0.22		--	1.33	Region 5	--	0.2
B113	B113B3S1	INORG	Cyanide	57-12-5	U	0.19		--	1.33	Region 5	--	0.1
DA23	DA23B6B1	Nitroaromatics	RDX	121-82-4	U	5		--	99	Exp EcoSSL	--	0.05
B119120	B119120B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.59		--	16	Exp EcoSSL	--	0.04
DUMP	DUMPTP1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.56		--	16	Exp EcoSSL	--	0.04
B119120	B119120B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.55		--	16	Exp EcoSSL	--	0.03
APDA789	APDA789B2S1	Nitroaromatics	RDX	121-82-4	U	1.3		--	99	Exp EcoSSL	--	0.01
B107	B107B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B110111112	B110111112B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B143	B143B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B143	B143B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.16		--	16	Exp EcoSSL	--	0.01
B147	B147B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.17		--	16	Exp EcoSSL	--	0.01
B155	B155S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.17	5.015	--	16	Exp EcoSSL	--	0.01
APDA789	APDA789B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
APDA789	APDA789B7S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B105139	B105139B13S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B107	B107B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B113	B113B9S1	Nitroaromatics	RDX	121-82-4	U	0.93		--	99	Exp EcoSSL	--	0.009
B115	B115B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B122	B122B10S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
B142	B142B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B142	B142B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B143	B143B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B147	B147B10S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B147	B147B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B156	B156B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15		--	16	Exp EcoSSL	--	0.009
B-E-R	BERS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
BP	BPS2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
DUMP	DUMPTP3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14		--	16	Exp EcoSSL	--	0.009
TRA1	TRA1S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.3875	--	16	Exp EcoSSL	--	0.009
TRA2	TRA2S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.15	5.55	--	16	Exp EcoSSL	--	0.009
TRA2	TRA2S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.55	--	16	Exp EcoSSL	--	0.009
TRA2	TRA2S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.55	--	16	Exp EcoSSL	--	0.009
TRA3	TRA3S9S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.14	5.6175	--	16	Exp EcoSSL	--	0.009
APDA789	APDA789B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
APDA789	APDA789B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
APDA789	APDA789B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
APDA789	APDA789B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
APDA789	APDA789B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B103	B103B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B103	B103B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B104145	B104145B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B104145	B104145B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B104145	B104145B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B104145	B104145B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B105139	B105139B10S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B11S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B105139	B105139B12S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B14S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B3S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B105139	B105139B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B105139	B105139B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B106	B106B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B106	B106S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B107	B107B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B107	B107B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B107	B107B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B107	B107S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B108	B108B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B108	B108S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B108	B108S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B109137	B109137B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B109137	B109137B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B109137	B109137B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B2S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B110111112	B110111112B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B10S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B11S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B11S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B113	B113B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B113	B113B9S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B114	B114B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B114	B114B2S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B114	B114B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B115	B115B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B115	B115B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B116128	B116128B11S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B116128	B116128B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
B116128	B116128B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.15	--	16	Exp EcoSSL	--	0.008
B117	B117B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B117	B117S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B117	B117S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B117	B117S2S1 Unspiked	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B117	B117S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.335	--	16	Exp EcoSSL	--	0.008
B117	B117S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.335	--	16	Exp EcoSSL	--	0.008
B119120	B119120B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B119120	B119120S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B121	B121S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B121	B121S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B122	B122B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B122	B122B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B122	B122B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B122	B122B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B122	B122B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B122	B122B9S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B123	B123B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B123	B123S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B123	B123S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B124135	B124135B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B124135	B124135B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B124135	B124135B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135B8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B124135	B124135S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B124135	B124135S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B125136	B125136S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B125136	B125136S8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B134	B134S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B134	B134S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B2S1 Unspiked	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B142	B142B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B144	B144B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B144	B144S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B144	B144S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B146	B146B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B146	B146B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B147	B147B11S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B147	B147B12S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B147	B147B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B147	B147B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B147	B147B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B147	B147B6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B147	B147B6S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B147	B147B9S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B148	B148B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B148	B148B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B148	B148B2S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B148	B148B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B149	B149B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B149	B149S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B150151	B150151B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B150151	B150151B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B150151	B150151B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B150151	B150151B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B152	B152S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B152	B152S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B152	B152S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B153	B153B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B153	B153B1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B153	B153B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B153	B153B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B153	B153S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B154	B154S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B154	B154S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B155	B155B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B155	B155B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B155	B155B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.015	--	16	Exp EcoSSL	--	0.008
B155	B155B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.015	--	16	Exp EcoSSL	--	0.008
B155	B155S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B155	B155S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.015	--	16	Exp EcoSSL	--	0.008
B156	B156S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B156	B156S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
B-E-R	BERS2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B-E-R	BERS3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
B-E-R	BERS3S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
BORROWAR	BORROWAREAS1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
BP	BPB1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
BP	BPB2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
DA23	DA23B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DA23	DA23B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
DA23	DA23S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
DA23	DA23S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.7775	--	16	Exp EcoSSL	--	0.008
DUMP	DUMPS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
DUMP	DUMPS1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12		--	16	Exp EcoSSL	--	0.008
DUMP	DUMPTP5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13		--	16	Exp EcoSSL	--	0.008
TA	TAS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3625	--	16	Exp EcoSSL	--	0.008
TA	TAS8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3625	--	16	Exp EcoSSL	--	0.008
TRA1	TRA1S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.3875	--	16	Exp EcoSSL	--	0.008
TRA1	TRA1S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
TRA1	TRA1S3S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.3875	--	16	Exp EcoSSL	--	0.008
TRA2	TRA2S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
TRA2	TRA2S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.55	--	16	Exp EcoSSL	--	0.008
TRA2	TRA2S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.55	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S10S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S6S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.12	5.6175	--	16	Exp EcoSSL	--	0.008
TRA3	TRA3S8S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.13	5.6175	--	16	Exp EcoSSL	--	0.008
B103	B103B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B105139	B105139B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B105139	B105139B5S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B105139	B105139B9S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B107	B107B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B113	B113B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B113	B113B4S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B115	B115B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B116128	B116128B3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11	4.55	--	16	Exp EcoSSL	--	0.007
B119120	B119120S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B122	B122B2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B122	B122B7S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B122	B122B7S1-DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B123	B123S2S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B134	B134S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
B154	B154B1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
BVL	BVLS1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11		--	16	Exp EcoSSL	--	0.007
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.7775	--	16	Exp EcoSSL	--	0.007
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.7775	--	16	Exp EcoSSL	--	0.007
PSO	PSOB1S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.11	5.8025	--	16	Exp EcoSSL	--	0.007
DEBAREA1	DebrisArea1S3S1	Nitroaromatics	2,4,6-Trinitrotoluene	118-96-7	U	0.1	5.7775	--	16	Exp EcoSSL	--	0.006
B105139	B105139B10S1	Nitroaromatics	RDX	121-82-4	U	0.41		--	99	Exp EcoSSL	--	0.004
B117	B117S2S1 Unspiked	Nitroaromatics	RDX	121-82-4	U	0.4	5.335	--	99	Exp EcoSSL	--	0.004
B147	B147B5S1	INORG	Perchlorate	14797-73-0	U	0.0036		--	1	NCEA	--	0.004
B149	B149B4S1	Nitroaromatics	RDX	121-82-4	U	0.43		--	99	Exp EcoSSL	--	0.004
B155	B155S2S1	INORG	Perchlorate	14797-73-0	U	0.0035	5.015	--	1	NCEA	--	0.004
APDA789	APDA789B2S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
APDA789	APDA789B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
APDA789	APDA789B4S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
APDA789	APDA789B5S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
APDA789	APDA789B6S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
APDA789	APDA789B7S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
APDA789	APDA789B7S1DUP	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
APDA789	APDA789B8S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B103	B103B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B103	B103B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B104145	B104145B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B104145	B104145B2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B104145	B104145B5S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B104145	B104145B6S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B104145	B104145B7S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B105139	B105139B10S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B105139	B105139B11S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B105139	B105139B12S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B105139	B105139B13S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B105139	B105139B14S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B105139	B105139B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B105139	B105139B6S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B105139	B105139B7S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B105139	B105139B8S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B106	B106B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B106	B106S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B107	B107B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B107	B107B2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B107	B107B3S1	INORG	Perchlorate	14797-73-0	U	0.003		--	1	NCEA	--	0.003
B107	B107B6S1	INORG	Perchlorate	14797-73-0	U	0.0033		--	1	NCEA	--	0.003
B107	B107S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B108	B108B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B108	B108S1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B108	B108S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B109137	B109137B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B109137	B109137B2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B109137	B109137B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B110111112	B110111112B1S1	INORG	Perchlorate	14797-73-0	U	0.0033		--	1	NCEA	--	0.003
B110111112	B110111112B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B110111112	B110111112B2S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B110111112	B110111112B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B110111112	B110111112B4S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B110111112	B110111112B5S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B110111112	B110111112B6S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B110111112	B110111112B7S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B113	B113B10S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B113	B113B11S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B113	B113B11S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B113	B113B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B113	B113B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B113	B113B5S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B113	B113B6S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B113	B113B7S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B113	B113B8S1	Nitroaromatics	RDX	121-82-4	U	0.28		--	99	Exp EcoSSL	--	0.003
B113	B113B9S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B114	B114B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B115	B115B2S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
B116128	B116128B11S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.55	--	1	NCEA	--	0.003
B116128	B116128B1S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.55	--	1	NCEA	--	0.003
B116128	B116128B4S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.15	--	1	NCEA	--	0.003
B117	B117B1S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.335	--	1	NCEA	--	0.003
B117	B117S1S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.335	--	1	NCEA	--	0.003
B117	B117S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025	5.335	--	1	NCEA	--	0.003
B117	B117S2S1 Unspiked	INORG	Perchlorate	14797-73-0	U	0.0026	5.335	--	1	NCEA	--	0.003
B117	B117S3S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.335	--	1	NCEA	--	0.003
B117	B117S4S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.335	--	1	NCEA	--	0.003
B119120	B119120B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B119120	B119120B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B119120	B119120S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B121	B121S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B122	B122B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B122	B122B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B122	B122B5S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B122	B122B6S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B122	B122B8S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B122	B122B9S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B123	B123S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B123	B123S3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B124135	B124135B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B124135	B124135B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135B4S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B124135	B124135B5S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B124135	B124135B7S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B124135	B124135B8S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B124135	B124135S3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B125136	B125136B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136B3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B125136	B125136S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B125136	B125136S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B125136	B125136S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S4S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S5S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S6S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S7S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B125136	B125136S8S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B134	B134S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B134	B134S2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B134	B134S4S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B142	B142B1S1	INORG	Perchlorate	14797-73-0	U	0.0031		--	1	NCEA	--	0.003
B142	B142B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0031		--	1	NCEA	--	0.003
B142	B142B2S1 Unspiked	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B142	B142B3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B142	B142B4S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B143	B143B1S1	INORG	Perchlorate	14797-73-0	U	0.0031		--	1	NCEA	--	0.003
B143	B143B2S1	INORG	Perchlorate	14797-73-0	U	0.0033		--	1	NCEA	--	0.003
B143	B143B3S1	INORG	Perchlorate	14797-73-0	U	0.0033		--	1	NCEA	--	0.003
B144	B144B1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B144	B144S1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B144	B144S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B146	B146B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B146	B146B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B147	B147B10S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B147	B147B11S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B147	B147B12S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B147	B147B1S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B147	B147B2S1	INORG	Perchlorate	14797-73-0	U	0.0031		--	1	NCEA	--	0.003

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B147	B147B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B147	B147B6S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B147	B147B6S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B147	B147B7S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
B147	B147B8S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B147	B147B9S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B148	B148B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B148	B148B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B148	B148B2S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B148	B148B3S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B149	B149B1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B149	B149B2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B149	B149B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B149	B149B4S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B149	B149S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B149	B149S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B150151	B150151B1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B150151	B150151B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B150151	B150151B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B150151	B150151B3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B152	B152S1S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B152	B152S2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B152	B152S2S1	Nitroaromatics	RDX	121-82-4	U	0.25		--	99	Exp EcoSSL	--	0.003
B152	B152S3S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B153	B153B1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B153	B153B1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B153	B153B2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B153	B153B3S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B153	B153S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B154	B154S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B155	B155B1S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.015	--	1	NCEA	--	0.003
B155	B155B2S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.015	--	1	NCEA	--	0.003
B155	B155B3S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.015	--	1	NCEA	--	0.003
B155	B155B4S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.015	--	1	NCEA	--	0.003
B155	B155S1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.015	--	1	NCEA	--	0.003
B155	B155S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026	5.015	--	1	NCEA	--	0.003
B156	B156B1S1	INORG	Perchlorate	14797-73-0	U	0.0031		--	1	NCEA	--	0.003
B156	B156S1S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
B156	B156S2S1	INORG	Perchlorate	14797-73-0	U	0.0027		--	1	NCEA	--	0.003
B-E-R	BERS1S1	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
B-E-R	BERS2S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
B-E-R	BERS3S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
B-E-R	BERS3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
BORROWAR	BORROWAREAS1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
BP	BPB1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
BP	BPB2S1	INORG	Perchlorate	14797-73-0	U	0.0025		--	1	NCEA	--	0.003
BP	BPS2S1	INORG	Perchlorate	14797-73-0	U	0.003		--	1	NCEA	--	0.003
DA23	DA23B2S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
DA23	DA23B3S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DA23	DA23B6B1	INORG	Perchlorate	14797-73-0	U	0.0029		--	1	NCEA	--	0.003
DA23	DA23S1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DA23	DA23S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DEBAREA1	DebrisArea1S2S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.7775	--	1	NCEA	--	0.003
DUMP	DUMPS1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DUMP	DUMPS1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DUMP	DUMPTP1S1	INORG	Perchlorate	14797-73-0	U	0.0026		--	1	NCEA	--	0.003
DUMP	DUMPTP3S1	INORG	Perchlorate	14797-73-0	U	0.003		--	1	NCEA	--	0.003
DUMP	DUMPTP5S1	INORG	Perchlorate	14797-73-0	U	0.0028		--	1	NCEA	--	0.003
TA	TAS1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	1	NCEA	--	0.003
TA	TAS2S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	1	NCEA	--	0.003
TA	TAS3S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	1	NCEA	--	0.003
TA	TAS4S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	1	NCEA	--	0.003
TA	TAS5S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	1	NCEA	--	0.003
TA	TAS6S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	1	NCEA	--	0.003
TA	TAS7S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3625	--	1	NCEA	--	0.003
TA	TAS8S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.3625	--	1	NCEA	--	0.003
TRA1	TRA1S1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.3875	--	1	NCEA	--	0.003
TRA1	TRA1S2S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.3875	--	1	NCEA	--	0.003
TRA1	TRA1S3S1	INORG	Perchlorate	14797-73-0	U	0.0029	5.3875	--	1	NCEA	--	0.003
TRA1	TRA1S3S1DUP	INORG	Perchlorate	14797-73-0	U	0.0026	5.3875	--	1	NCEA	--	0.003
TRA1	TRA1S4S1 Unspiked	INORG	Perchlorate	14797-73-0	U	0.0028	5.3875	--	1	NCEA	--	0.003
TRA2	TRA2S1S1	INORG	Perchlorate	14797-73-0	U	0.0028	5.55	--	1	NCEA	--	0.003
TRA2	TRA2S2S1	INORG	Perchlorate	14797-73-0	U	0.0031	5.55	--	1	NCEA	--	0.003
TRA2	TRA2S3S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.55	--	1	NCEA	--	0.003
TRA2	TRA2S4S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.55	--	1	NCEA	--	0.003
TRA2	TRA2S5S1	INORG	Perchlorate	14797-73-0	U	0.003	5.55	--	1	NCEA	--	0.003
TRA2	TRA2S6S1	INORG	Perchlorate	14797-73-0	U	0.0029	5.55	--	1	NCEA	--	0.003
TRA3	TRA3S10S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S1S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S2S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S3S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S4S1	INORG	Perchlorate	14797-73-0	U	0.0027	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S5S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S6S1	INORG	Perchlorate	14797-73-0	U	0.0026	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S7S1	INORG	Perchlorate	14797-73-0	U	0.0025	5.6175	--	1	NCEA	--	0.003
TRA3	TRA3S9S1	INORG	Perchlorate	14797-73-0	U	0.0029	5.6175	--	1	NCEA	--	0.003
B105139	B105139B1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B105139	B105139B4S1	INORG	Perchlorate	14797-73-0	U	0.0023		--	1	NCEA	--	0.002
B105139	B105139B5S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B105139	B105139B9S1	INORG	Perchlorate	14797-73-0	U	0.0022		--	1	NCEA	--	0.002

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B107	B107B4S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B107	B107B6S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B110111112	B110111112B1S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B113	B113B2S1	Nitroaromatics	HMX	2691-41-0	U	1.2		--	600	Exp EcoSSL	--	0.002
B113	B113B3S1	INORG	Perchlorate	14797-73-0	U	0.0023		--	1	NCEA	--	0.002
B113	B113B4S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B115	B115B1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B116128	B116128B11S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.55	--	99	Exp EcoSSL	--	0.002
B116128	B116128B3S1	INORG	Perchlorate	14797-73-0	U	0.0023	4.55	--	1	NCEA	--	0.002
B119120	B119120B4S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B119120	B119120S2S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B121	B121S1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B122	B122B10S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B122	B122B2S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B122	B122B7S1	INORG	Perchlorate	14797-73-0	U	0.0023		--	1	NCEA	--	0.002
B122	B122B7S1-DUP	INORG	Perchlorate	14797-73-0	U	0.0023		--	1	NCEA	--	0.002
B134	B134S3S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B142	B142B1S1	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B142	B142B1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B143	B143B1S1	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B143	B143B2S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B143	B143B3S1	Nitroaromatics	RDX	121-82-4	U	0.16		--	99	Exp EcoSSL	--	0.002
B147	B147B2S1	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
B149	B149B5S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B154	B154B1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B154	B154S2S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
B155	B155S2S1	Nitroaromatics	RDX	121-82-4	U	0.17	5.015	--	99	Exp EcoSSL	--	0.002
B156	B156B1S1	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
BORROWAR	BORROWAREAS1	Nitroaromatics	RDX	121-82-4	U	0.15		--	99	Exp EcoSSL	--	0.002
BVL	BVLS1S1	INORG	Perchlorate	14797-73-0	U	0.0024		--	1	NCEA	--	0.002
DEBAREA1	DebrisArea1S10S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S11S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S12S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S13S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S14S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S15S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S16S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S17S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S18S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S19S1	Nitroaromatics	RDX	121-82-4	U	0.16	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S1S1	INORG	Perchlorate	14797-73-0	U	0.0024	5.7775	--	1	NCEA	--	0.002
DEBAREA1	DebrisArea1S1S1DUP	INORG	Perchlorate	14797-73-0	U	0.0024	5.7775	--	1	NCEA	--	0.002
DEBAREA1	DebrisArea1S3S1	INORG	Perchlorate	14797-73-0	U	0.0021	5.7775	--	1	NCEA	--	0.002
DEBAREA1	DebrisArea1S4S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S5S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
DEBAREA1	DebrisArea1S6S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S6S1MS	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S6S1MSD	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S7S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S7S1Dup	Nitroaromatics	RDX	121-82-4	U	0.17	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S8S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.7775	--	99	Exp EcoSSL	--	0.002
DEBAREA1	DebrisArea1S9S1	Nitroaromatics	RDX	121-82-4	U	0.17	5.7775	--	99	Exp EcoSSL	--	0.002
PSO	PSOB1S1	INORG	Perchlorate	14797-73-0	U	0.0024	5.8025	--	1	NCEA	--	0.002
TRA2	TRA2S2S1	Nitroaromatics	RDX	121-82-4	U	0.15	5.55	--	99	Exp EcoSSL	--	0.002
APDA789	APDA789B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B3S1	Nitroaromatics	HMX	2691-41-0	U	0.63		--	600	Exp EcoSSL	--	0.001
APDA789	APDA789B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B4S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B5S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B6S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B7S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B7S1DUP	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
APDA789	APDA789B8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B103	B103B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B103	B103B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B103	B103B3S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B104145	B104145B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B104145	B104145B1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B104145	B104145B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B104145	B104145B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B104145	B104145B4S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B104145	B104145B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B104145	B104145B6S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B104145	B104145B7S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B104145	B104145B8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B105139	B105139B11S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B105139	B105139B12S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B13S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B105139	B105139B14S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B1S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B105139	B105139B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B3S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B4S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B105139	B105139B5S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B105139	B105139B6S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B105139	B105139B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B8S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B105139	B105139B9S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B106	B106B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B106	B106S2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B107	B107B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B107	B107B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B107	B107B3S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B107	B107B4S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B107	B107B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B107	B107S1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B108	B108B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B108	B108S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B108	B108S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B109137	B109137B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B109137	B109137B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B109137	B109137B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B2S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B4S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B6S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B110111112	B110111112B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B10S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B11S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B11S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B3S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B113	B113B4S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B113	B113B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B113	B113B8S1	Nitroaromatics	HMX	2691-41-0	U	0.58		--	600	Exp EcoSSL	--	0.001
B114	B114B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B114	B114B2S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B114	B114B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B115	B115B1S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B115	B115B2S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B115	B115B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B115	B115B4S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B116128	B116128B1S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
B116128	B116128B3S1	Nitroaromatics	RDX	121-82-4	U	0.11	4.55	--	99	Exp EcoSSL	--	0.001
B116128	B116128B4S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.15	--	99	Exp EcoSSL	--	0.001
B117	B117B1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B117	B117S1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B117	B117S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001
B117	B117S3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.335	--	99	Exp EcoSSL	--	0.001
B117	B117S4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.335	--	99	Exp EcoSSL	--	0.001

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B119120	B119120B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B119120	B119120S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B119120	B119120S2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B121	B121S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B121	B121S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B122	B122B10S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B122	B122B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B122	B122B2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B122	B122B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B122	B122B5S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B122	B122B6S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B122	B122B7S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B122	B122B7S1-DUP	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B122	B122B8S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B122	B122B9S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B123	B123B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B123	B123S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B123	B123S2S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B123	B123S3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B124135	B124135B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B124135	B124135B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B124135	B124135B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135B4S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135B7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135B8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B124135	B124135S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135S2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B124135	B124135S3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B125136	B125136B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B125136	B125136B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136B3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B125136	B125136S1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B125136	B125136S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B125136	B125136S2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S4S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S6S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S7S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B125136	B125136S8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B134	B134S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B134	B134S2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B134	B134S3S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B134	B134S4S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B142	B142B4S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B144	B144B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B144	B144S1S1	Nitroaromatics	HMX	2691-41-0	U	0.62		--	600	Exp EcoSSL	--	0.001
B144	B144S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B144	B144S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B146	B146B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B146	B146B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B10S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B11S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B12S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B4S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B6S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B147	B147B7S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B147	B147B8S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B147	B147B9S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B148	B148B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B2S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B148	B148B3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B149	B149B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149B5S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B149	B149S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B150151	B150151B1S1	Nitroaromatics	RDX	121-82-4	UJ	0.13		--	99	Exp EcoSSL	--	0.001
B150151	B150151B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B150151	B150151B3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B152	B152S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B153	B153B1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B153	B153B1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B153	B153B2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B153	B153B3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B153	B153S1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B154	B154B1S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
B154	B154S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B154	B154S2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B155	B155B1S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B155	B155B2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B155	B155B3S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.015	--	99	Exp EcoSSL	--	0.001
B155	B155B4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.015	--	99	Exp EcoSSL	--	0.001

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B155	B155S1S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B155	B155S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13	5.015	--	99	Exp EcoSSL	--	0.001
B156	B156S1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B156	B156S2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
B-E-R	BERS1S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
B-E-R	BERS2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B-E-R	BERS3S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
B-E-R	BERS3S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
BP	BPB1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
BP	BPB2S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
BP	BPS2S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
BVL	BVLS1S1	Nitroaromatics	RDX	121-82-4	U	0.11		--	99	Exp EcoSSL	--	0.001
DA23	DA23B2S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
DA23	DA23B3S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
DA23	DA23S1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
DA23	DA23S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	RDX	121-82-4	U	0.11	5.7775	--	99	Exp EcoSSL	--	0.001
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.11	5.7775	--	99	Exp EcoSSL	--	0.001
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.7775	--	99	Exp EcoSSL	--	0.001
DUMP	DUMPS1S1	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
DUMP	DUMPS1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12		--	99	Exp EcoSSL	--	0.001
DUMP	DUMPTP1S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
DUMP	DUMPTP3S1	Nitroaromatics	RDX	121-82-4	U	0.14		--	99	Exp EcoSSL	--	0.001
DUMP	DUMPTP5S1	Nitroaromatics	RDX	121-82-4	U	0.13		--	99	Exp EcoSSL	--	0.001
PSO	PSOB1S1	Nitroaromatics	RDX	121-82-4	U	0.11	5.8025	--	99	Exp EcoSSL	--	0.001
TA	TAS1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS1S1DUP	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS2S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS3S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS5S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS6S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS7S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.3625	--	99	Exp EcoSSL	--	0.001
TA	TAS8S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3625	--	99	Exp EcoSSL	--	0.001
TRA1	TRA1S1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.3875	--	99	Exp EcoSSL	--	0.001
TRA1	TRA1S2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
TRA1	TRA1S3S1	Nitroaromatics	RDX	121-82-4	U	0.14	5.3875	--	99	Exp EcoSSL	--	0.001
TRA1	TRA1S3S1DUP	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	RDX	121-82-4	U	0.13	5.3875	--	99	Exp EcoSSL	--	0.001
TRA2	TRA2S1S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
TRA2	TRA2S3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.55	--	99	Exp EcoSSL	--	0.001
TRA2	TRA2S4S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.55	--	99	Exp EcoSSL	--	0.001
TRA2	TRA2S5S1	Nitroaromatics	RDX	121-82-4	U	0.14	5.55	--	99	Exp EcoSSL	--	0.001
TRA2	TRA2S6S1	Nitroaromatics	RDX	121-82-4	U	0.14	5.55	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S10S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA3	TRA3S1S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S2S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S3S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S4S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S5S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S6S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S7S1	Nitroaromatics	RDX	121-82-4	U	0.12	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S8S1	Nitroaromatics	RDX	121-82-4	U	0.13	5.6175	--	99	Exp EcoSSL	--	0.001
TRA3	TRA3S9S1	Nitroaromatics	RDX	121-82-4	U	0.14	5.6175	--	99	Exp EcoSSL	--	0.001
B119120	B119120S1S1	Nitroaromatics	HMX	2691-41-0	U	0.55		--	600	Exp EcoSSL	--	0.0009
TRA3	TRA3S6S1	Nitroaromatics	HMX	2691-41-0	U	0.54	5.6175	--	600	Exp EcoSSL	--	0.0009
B103	B103B3S1	Nitroaromatics	HMX	2691-41-0	U	0.45		--	600	Exp EcoSSL	--	0.0008
B125136	B125136S1S1	Nitroaromatics	HMX	2691-41-0	U	0.46		--	600	Exp EcoSSL	--	0.0008
B143	B143B2S1	Nitroaromatics	HMX	2691-41-0	U	0.49		--	600	Exp EcoSSL	--	0.0008
B143	B143B3S1	Nitroaromatics	HMX	2691-41-0	U	0.5		--	600	Exp EcoSSL	--	0.0008
B147	B147B5S1	Nitroaromatics	HMX	2691-41-0	U	0.48		--	600	Exp EcoSSL	--	0.0008
B107	B107B5S1	Nitroaromatics	HMX	2691-41-0	U	0.41		--	600	Exp EcoSSL	--	0.0007
B107	B107B6S1	Nitroaromatics	HMX	2691-41-0	U	0.39		--	600	Exp EcoSSL	--	0.0007
B110111112	B110111112B1S1	Nitroaromatics	HMX	2691-41-0	U	0.39		--	600	Exp EcoSSL	--	0.0007
B155	B155S2S1	Nitroaromatics	HMX	2691-41-0	U	0.42	5.015	--	600	Exp EcoSSL	--	0.0007
B156	B156B1S1	Nitroaromatics	HMX	2691-41-0	U	0.42		--	600	Exp EcoSSL	--	0.0007
DEBAREA1	DebrisArea1S10S1	Nitroaromatics	HMX	2691-41-0	U	0.39	5.7775	--	600	Exp EcoSSL	--	0.0007
DEBAREA1	DebrisArea1S6S1MS	Nitroaromatics	HMX	2691-41-0	U	0.41	5.7775	--	600	Exp EcoSSL	--	0.0007
APDA789	APDA789B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
APDA789	APDA789B7S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
APDA789	APDA789B7S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
APDA789	APDA789B8S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B104145	B104145B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B105139	B105139B10S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B105139	B105139B13S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B107	B107B3S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B107	B107B4S1	Nitroaromatics	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
B107	B107S1S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B109137	B109137B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B115	B115B2S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B115	B115B4S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B116128	B116128B11S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.55	--	600	Exp EcoSSL	--	0.0006
B117	B117S3S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.335	--	600	Exp EcoSSL	--	0.0006
B121	B121S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B122	B122B10S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B122	B122B1S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B122	B122B5S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B122	B122B6S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B125136	B125136S8S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B134	B134S4S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B142	B142B1S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B142	B142B1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B142	B142B4S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B143	B143B1S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B144	B144B1S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B147	B147B11S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B147	B147B2S1	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B147	B147B6S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B147	B147B6S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.37		--	600	Exp EcoSSL	--	0.0006
B147	B147B7S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B148	B148B3S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B150151	B150151B1S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B150151	B150151B1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B152	B152S3S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B153	B153S1S1	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
B155	B155B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.015	--	600	Exp EcoSSL	--	0.0006
B156	B156S1S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS1S1	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
B-E-R	BERS3S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.35		--	600	Exp EcoSSL	--	0.0006
BP	BPS2S1	Nitroaromatics	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
DA23	DA23B2S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S12S1	Nitroaromatics	HMX	2691-41-0	U	0.36	5.7775	--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S18S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.7775	--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S7S1Dup	Nitroaromatics	HMX	2691-41-0	U	0.35	5.7775	--	600	Exp EcoSSL	--	0.0006
DEBAREA1	DebrisArea1S9S1	Nitroaromatics	HMX	2691-41-0	U	0.34	5.7775	--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPS1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.34		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP3S1	Nitroaromatics	HMX	2691-41-0	U	0.36		--	600	Exp EcoSSL	--	0.0006
DUMP	DUMPTP5S1	Nitroaromatics	HMX	2691-41-0	U	0.33		--	600	Exp EcoSSL	--	0.0006
TRA1	TRA1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.3875	--	600	Exp EcoSSL	--	0.0006
TRA1	TRA1S3S1	Nitroaromatics	HMX	2691-41-0	U	0.34	5.3875	--	600	Exp EcoSSL	--	0.0006
TRA1	TRA1S4S1 Unspiked	Nitroaromatics	HMX	2691-41-0	U	0.34	5.3875	--	600	Exp EcoSSL	--	0.0006
TRA2	TRA2S1S1	Nitroaromatics	HMX	2691-41-0	U	0.34	5.55	--	600	Exp EcoSSL	--	0.0006
TRA2	TRA2S2S1	Nitroaromatics	HMX	2691-41-0	U	0.37	5.55	--	600	Exp EcoSSL	--	0.0006
TRA2	TRA2S5S1	Nitroaromatics	HMX	2691-41-0	U	0.35	5.55	--	600	Exp EcoSSL	--	0.0006
TRA2	TRA2S6S1	Nitroaromatics	HMX	2691-41-0	U	0.35	5.55	--	600	Exp EcoSSL	--	0.0006
TRA3	TRA3S3S1	Nitroaromatics	HMX	2691-41-0	U	0.33	5.6175	--	600	Exp EcoSSL	--	0.0006
TRA3	TRA3S9S1	Nitroaromatics	HMX	2691-41-0	U	0.35	5.6175	--	600	Exp EcoSSL	--	0.0006
APDA789	APDA789B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
APDA789	APDA789B4S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
APDA789	APDA789B5S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
APDA789	APDA789B6S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B103	B103B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B103	B103B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B104145	B104145B1S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B104145	B104145B1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B104145	B104145B3S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B104145	B104145B4S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B104145	B104145B7S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B104145	B104145B8S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B11S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B12S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B14S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B1S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B3S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B4S1	Nitroaromatics	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B5S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B6S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B7S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B8S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B105139	B105139B9S1	Nitroaromatics	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
B106	B106B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B106	B106S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B107	B107B1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B108	B108B2S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B108	B108S1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B108	B108S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B109137	B109137B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B109137	B109137B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B2S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B4S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B5S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B6S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B110111112	B110111112B7S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B10S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B11S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B11S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B3S1	Nitroaromatics	HMX	2691-41-0	U	0.27		--	600	Exp EcoSSL	--	0.0005
B113	B113B4S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B113	B113B5S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B6S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B113	B113B7S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B113	B113B9S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B114	B114B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B114	B114B2S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B114	B114B3S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B115	B115B1S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B115	B115B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B116128	B116128B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.55	--	600	Exp EcoSSL	--	0.0005
B116128	B116128B3S1	Nitroaromatics	HMX	2691-41-0	U	0.27	4.55	--	600	Exp EcoSSL	--	0.0005
B116128	B116128B4S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.15	--	600	Exp EcoSSL	--	0.0005
B117	B117B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.335	--	600	Exp EcoSSL	--	0.0005
B117	B117S1S1	Nitroaromatics	HMX	2691-41-0	U	0.29	5.335	--	600	Exp EcoSSL	--	0.0005
B117	B117S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3	5.335	--	600	Exp EcoSSL	--	0.0005
B117	B117S2S1 Unspiked	Nitroaromatics	HMX	2691-41-0	U	0.31	5.335	--	600	Exp EcoSSL	--	0.0005
B117	B117S4S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.335	--	600	Exp EcoSSL	--	0.0005
B119120	B119120B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B119120	B119120B3S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B119120	B119120B4S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B119120	B119120S2S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B121	B121S1S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B122	B122B2S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B122	B122B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B122	B122B7S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B122	B122B7S1-DUP	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B122	B122B8S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B122	B122B9S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B123	B123B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B123	B123S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B123	B123S2S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B123	B123S3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B4S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B5S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B7S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B124135	B124135B8S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B124135	B124135S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B124135	B124135S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B124135	B124135S2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B124135	B124135S3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B125136	B125136B1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136B2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136B3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S3S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S4S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S5S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S6S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B125136	B125136S7S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
B134	B134S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B134	B134S2S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B134	B134S3S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
B142	B142B3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B144	B144S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B146	B146B1S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B146	B146B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B147	B147B10S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B147	B147B12S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B147	B147B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B147	B147B3S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B147	B147B4S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B147	B147B8S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B147	B147B9S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B148	B148B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B148	B148B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B148	B148B2S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B149	B149B1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B149	B149B2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B149	B149B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B149	B149B4S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B149	B149B5S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B149	B149S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B149	B149S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B150151	B150151B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B150151	B150151B3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B152	B152S1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B152	B152S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B153	B153B1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B153	B153B1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B153	B153B2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
B153	B153B3S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B154	B154B1S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B154	B154S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B154	B154S2S1	Nitroaromatics	HMX	2691-41-0	U	0.29		--	600	Exp EcoSSL	--	0.0005
B155	B155B1S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.015	--	600	Exp EcoSSL	--	0.0005
B155	B155B3S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
B155	B155B4S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
B155	B155S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
B155	B155S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31	5.015	--	600	Exp EcoSSL	--	0.0005
B156	B156S2S1	Nitroaromatics	HMX	2691-41-0	U	0.32		--	600	Exp EcoSSL	--	0.0005
B-E-R	BERS2S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
B-E-R	BERS3S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
BORROWAR	BORROWAREAS1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
BP	BPB1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
BP	BPB2S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
BP	BPS1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
BP	BPS1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
BVL	BVLS1S1	Nitroaromatics	HMX	2691-41-0	U	0.28		--	600	Exp EcoSSL	--	0.0005
DA23	DA23B3S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
DA23	DA23S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
DA23	DA23S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S11S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S13S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S14S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S15S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S16S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S17S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S19S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S1S1	Nitroaromatics	HMX	2691-41-0	U	0.28	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.28	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S2S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S4S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S5S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S6S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S6S1MSD	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S7S1	Nitroaromatics	HMX	2691-41-0	U	0.29	5.7775	--	600	Exp EcoSSL	--	0.0005
DEBAREA1	DebrisArea1S8S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.7775	--	600	Exp EcoSSL	--	0.0005
DUMP	DUMPS1S1	Nitroaromatics	HMX	2691-41-0	U	0.3		--	600	Exp EcoSSL	--	0.0005
DUMP	DUMPTP1S1	Nitroaromatics	HMX	2691-41-0	U	0.31		--	600	Exp EcoSSL	--	0.0005
PSO	PSOB1S1	Nitroaromatics	HMX	2691-41-0	U	0.28	5.8025	--	600	Exp EcoSSL	--	0.0005
TA	TAS1S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS1S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS2S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS3S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS4S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS5S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS6S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS7S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3625	--	600	Exp EcoSSL	--	0.0005
TA	TAS8S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.3625	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3875	--	600	Exp EcoSSL	--	0.0005
TRA1	TRA1S3S1DUP	Nitroaromatics	HMX	2691-41-0	U	0.31	5.3875	--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S3S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.55	--	600	Exp EcoSSL	--	0.0005
TRA2	TRA2S4S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.55	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S10S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S1S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S2S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S4S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S5S1	Nitroaromatics	HMX	2691-41-0	U	0.31	5.6175	--	600	Exp EcoSSL	--	0.0005
TRA3	TRA3S7S1	Nitroaromatics	HMX	2691-41-0	U	0.3	5.6175	--	600	Exp EcoSSL	--	0.0005

M9-2B: Evaluation of Detection Limits for Surface Soil (Invertebrates)
Chemtronics Site - Swannanoa, NC

Area	Sample	Group	Chemical	CASRN	Flag	SQL	pH for Aluminum	BKG 2x Mean	BERA Plant Criterion	BERA Plant Criterion Source	Is SQL > BKG?	Ratio of SQL/Crit
TRA3	TRA3S8S1	Nitroaromatics	HMX	2691-41-0	U	0.32	5.6175	--	600	Exp EcoSSL	--	0.0005

1	Value is <=2.
5	Value is between 3 and 10.
50	Value is between 11 and 50.

Background	Background used as screening value.
EcoSSL Inverts	Ecological Soil Screening Levels for invertebrates, USEPA 2007. http://www.epa.gov/oswer/riskassessment/ecorisk/ecossl.htm.
Exp EcoSSL	Kuperman RG, Checkai RT, Simini M, Phillips CT, Kolakowski JE, and Chester NA. 2006. Ecological Soil Screening Levels For Invertebrates At Explosives-Contaminated Sites: Supporting Sustainability Of Army Testing And Training. 2006. http://www.dtic.mil/cgi-
NCEA	USEPA. 2002. Perchlorate Environmental Contamination. http://www.epa.gov/ncea/pdfs/perchlorate/final_rpt.pdf
ORNL Inverts	ORNL. Efroymsson. 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on soil and litter invertebrates and heterotrophic processes. http://rais.ornl.gov/documents/tm126r21.pdf
Region 5	USEPA. 2003. Region 5: Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels Last accessed March 5, 2009. http://www.epa.gov/reg5rcra/ca/ESL.pdf.
U	Not detected.
UJ	The chemical was analyzed for and was not present above the level of the associated value.

M9-2C: Evaluation of Detection Limits for Surface Water
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Gregg Branch	GBW 6-R20	INORG	Aluminum	7429-90-5	T		U	0.419	1.22	BERA	0.3
Gregg Branch	GBW 1B-Q29	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1B-R31	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1B-R31	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1C-Q28	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1C-Q29	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1D-O28	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1D-Q29	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1E-N28	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1E-Q27	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1F-P26	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1-S35	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2A-L26	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2A-O25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2B-L26	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2B-P25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2C-P25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2D-O25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 2-M27	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 3-N24	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 3-O25	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 3-Q23	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 4-N23	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 4-O23	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 4-R21	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 5-R20	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 6-R20	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
POND1	POND 1W-O43	INORG	Aluminum	7429-90-5	T		U	0.0802	1.22	BERA	0.07
POND1	POND 1W-O43	INORG	Aluminum	7429-90-5	T		U	0.0802	1.22	BERA	0.07
POND2	POND 2W-P39	INORG	Aluminum	7429-90-5	T		U	0.0802	1.22	BERA	0.07
POND3	POND 3W-S35	INORG	Aluminum	7429-90-5	T		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 1A-M42	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 2A-L40	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 2-L41	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 3A-J38	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 3-K39	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 4-I37	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 5A-H37	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 5B-G37	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 5D-F37	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07

M9-2C: Evaluation of Detection Limits for Surface Water
Chemtronics Site - Swannanoa, NC

Unit	Location	Group	Chemical	CASRN	T/D?	Result (mg/L)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Unnamed Branch	UBW 6A-I36	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 6C-H35	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Unnamed Branch	UBW 6-I37	INORG	Aluminum	7429-90-5	D		U	0.0802	1.22	BERA	0.07
Gregg Branch	GBW 1F-P26	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 1-S35	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 2A-O25	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 2B-P25	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 2C-P25	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 3-Q23	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 4-R21	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 5-R20	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Gregg Branch	GBW 6-R20	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Unnamed Branch	UBW 2A-L40	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Unnamed Branch	UBW 3-K39	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05
Unnamed Branch	UBW 5A-H37	INORG	Iron	7439-89-6	D		U	0.0522	1	SLERA	0.05

U	Not detected.
UJ	The chemical was analyzed for and was not present above the level of the associated value.
SLERA	Screening level ecological risk assessment.
BERA	Baseline ecological risk assessment.

M9-2D: Evaluation of Detection Limits for Sediment
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Selenium	7782-49-2		U	0.942	0.29	NOAA-BKG	3
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Selenium	7782-49-2		U	0.942	0.29	NOAA-BKG	3
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Selenium	7782-49-2		U	0.951	0.29	NOAA-BKG	3
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Selenium	7782-49-2		U	0.951	0.29	NOAA-BKG	3
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Selenium	7782-49-2		U	0.942	0.29	NOAA-BKG	3
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Selenium	7782-49-2		U	0.951	0.29	NOAA-BKG	3
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
POND1	POND 1W-O43	POND1W-O43SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
POND2	POND 2W-P39	POND2W-P39SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
POND3	POND 3W-S35	POND3W-S35SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Selenium	7782-49-2		U	0.951	0.29	NOAA-BKG	3
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Selenium	7782-49-2		U	0.961	0.29	NOAA-BKG	3
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Selenium	7782-49-2		U	0.951	0.29	NOAA-BKG	3
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Selenium	7782-49-2		U	0.942	0.29	NOAA-BKG	3
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Selenium	7782-49-2		U	0.97	0.29	NOAA-BKG	3
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Selenium	7782-49-2		U	0.98	0.29	NOAA-BKG	3
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Tin	7440-31-5		U	8.1	5	NOAA-BKG	2
Gregg Branch	GBW 3-L27	GBW3-L27SED	INORG	Tin	7440-31-5		U	2.77	5	NOAA-BKG	0.6

M9-2D: Evaluation of Detection Limits for Sediment
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Tin	7440-31-5		U	2.46	5	NOAA-BKG	0.5
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Tin	7440-31-5		U	2.63	5	NOAA-BKG	0.5
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Tin	7440-31-5		U	1.76	5	NOAA-BKG	0.4
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Tin	7440-31-5		U	1.76	5	NOAA-BKG	0.4
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Tin	7440-31-5		U	1.96	5	NOAA-BKG	0.4
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Tin	7440-31-5		U	1.76	5	NOAA-BKG	0.4
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Tin	7440-31-5		U	1.91	5	NOAA-BKG	0.4
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Tin	7440-31-5		U	1.77	5	NOAA-BKG	0.4
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Tin	7440-31-5		U	1.89	5	NOAA-BKG	0.4
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Tin	7440-31-5		U	1.92	5	NOAA-BKG	0.4
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Tin	7440-31-5		U	1.72	5	NOAA-BKG	0.3
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Tin	7440-31-5		U	1.71	5	NOAA-BKG	0.3
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Tin	7440-31-5		U	1.73	5	NOAA-BKG	0.3
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Tin	7440-31-5		U	1.64	5	NOAA-BKG	0.3
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Tin	7440-31-5		U	1.68	5	NOAA-BKG	0.3
Gregg Branch	GBW 1C-Q29	GBW1C-Q29SED	INORG	Tin	7440-31-5		U	1.55	5	NOAA-BKG	0.3
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Tin	7440-31-5		U	1.41	5	NOAA-BKG	0.3
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Tin	7440-31-5		U	1.45	5	NOAA-BKG	0.3
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Tin	7440-31-5		U	1.5	5	NOAA-BKG	0.3
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Tin	7440-31-5		U	1.39	5	NOAA-BKG	0.3
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Tin	7440-31-5		U	1.52	5	NOAA-BKG	0.3
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Tin	7440-31-5		U	1.5	5	NOAA-BKG	0.3
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Tin	7440-31-5		U	1.67	5	NOAA-BKG	0.3
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Tin	7440-31-5		U	1.56	5	NOAA-BKG	0.3
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Tin	7440-31-5		U	1.64	5	NOAA-BKG	0.3
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Tin	7440-31-5		U	1.55	5	NOAA-BKG	0.3
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Tin	7440-31-5		U	1.38	5	NOAA-BKG	0.3
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Tin	7440-31-5		U	1.52	5	NOAA-BKG	0.3
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Tin	7440-31-5		U	1.43	5	NOAA-BKG	0.3
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Tin	7440-31-5		U	1.57	5	NOAA-BKG	0.3
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Tin	7440-31-5		U	1.54	5	NOAA-BKG	0.3
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Tin	7440-31-5		U	1.35	5	NOAA-BKG	0.3
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Tin	7440-31-5		U	1.58	5	NOAA-BKG	0.3
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Tin	7440-31-5		U	1.46	5	NOAA-BKG	0.3
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Tin	7440-31-5		U	1.65	5	NOAA-BKG	0.3
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Tin	7440-31-5		U	1.55	5	NOAA-BKG	0.3
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Tin	7440-31-5		U	1.6	5	NOAA-BKG	0.3
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Tin	7440-31-5		U	1.7	5	NOAA-BKG	0.3
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Tin	7440-31-5		U	1.58	5	NOAA-BKG	0.3
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Tin	7440-31-5		U	1.55	5	NOAA-BKG	0.3

M9-2D: Evaluation of Detection Limits for Sediment
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Tin	7440-31-5		U	1.48	5	NOAA-BKG	0.3
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Tin	7440-31-5		U	1.46	5	NOAA-BKG	0.3
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Tin	7440-31-5		U	1.64	5	NOAA-BKG	0.3
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Tin	7440-31-5		U	1.42	5	NOAA-BKG	0.3
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Tin	7440-31-5		U	1.53	5	NOAA-BKG	0.3
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Tin	7440-31-5		U	1.43	5	NOAA-BKG	0.3
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Tin	7440-31-5		U	1.6	5	NOAA-BKG	0.3
Bee Tree Creek	BTW 1-P44	BTW1-P44SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Bee Tree Creek	BTW 1-P45	BTW1-P45SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Bee Tree Creek	BTW 2A-T35	BTW2A-T35SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Bee Tree Creek	BTW 2-S35	BTW2-S35SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Bee Tree Creek	BTW 3-U30	BTW3-U30SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 1A-R33	GBW1A-R33SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Gregg Branch	GBW 1B-Q29	GBW1B-Q29SEDDUP	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Gregg Branch	GBW 1B-R31	GBW1B-R31SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 1C-Q28	GBW1C-Q28SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Gregg Branch	GBW 1D-O28	GBW1D-O28SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 1D-Q29	GBW1D-Q29SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Gregg Branch	GBW 1E-N28	GBW1E-N28SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 1E-Q27	GBW1E-Q27SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Gregg Branch	GBW 1F-P26	GBW1F-P26SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Gregg Branch	GBW 1-S35	GBW1-S35SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Gregg Branch	GBW 2A-L26	GBW2A-L26SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Gregg Branch	GBW 2A-O25	GBW2A-O25SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Gregg Branch	GBW 2B-L26	GBW2B-L26SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Gregg Branch	GBW 2B-P25	GBW2B-P25SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Gregg Branch	GBW 2C-P25	GBW2C-P25SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Gregg Branch	GBW 2D-O25	GBW2D-O25SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Gregg Branch	GBW 2-M27	GBW2-M27SED Unspiked	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Gregg Branch	GBW 3-N24	GBW3-N24SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Gregg Branch	GBW 3-O25	GBW3-O25SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Gregg Branch	GBW 3-Q23	GBW3-Q23SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 4-N23	GBW4-N23SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 4-O23	GBW4-O23SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Gregg Branch	GBW 4-R21	GBW4-R21SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Gregg Branch	GBW 5-O22	GBW5-O22SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Gregg Branch	GBW 5-R20	GBW5-R20SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Gregg Branch	GBW 6-R20	GBW6-R20SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Unnamed Branch	UBW 1A-M42	UBW1A-M42SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Unnamed Branch	UBW 1B-L42	UBW1B-L42SED	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1

M9-2D: Evaluation of Detection Limits for Sediment
Chemtronics Site - Swannanoa, NC

Unit	Location	Sample	Group	Chemical	CASRN	Result (mg/kg)	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Unnamed Branch	UBW 1-O44	UBW1-O44SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Unnamed Branch	UBW 2A-L40	UBW2A-L40SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 2-L41	UBW2-L41SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 3A-J38	UBW3A-J38SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 3-K39	UBW3-K39SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Unnamed Branch	UBW 4-I37	UBW4-I37SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 4-I37	UBW4-I37SEDDUP	INORG	Cadmium	7440-43-9		U	0.137	1	R4	0.1
Unnamed Branch	UBW 5A-H37	UBW5A-H37SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 5B-G37	UBW5B-G37SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Unnamed Branch	UBW 5C-G37	UBW5C-G37SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1
Unnamed Branch	UBW 5D-F37	UBW5D-F37SED	INORG	Cadmium	7440-43-9		U	0.136	1	R4	0.1
Unnamed Branch	UBW 5-I37	UBW5-I37SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 6A-I36	UBW6A-I36SED	INORG	Cadmium	7440-43-9		U	0.135	1	R4	0.1
Unnamed Branch	UBW 6B-H36	UBW6B-H36SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 6C-H35	UBW6C-H35SED	INORG	Cadmium	7440-43-9		U	0.139	1	R4	0.1
Unnamed Branch	UBW 6-I37	UBW6-I37SED	INORG	Cadmium	7440-43-9		U	0.14	1	R4	0.1

1	Value is <=2.
5	Value is between 3 and 10.

NOAA-BKG	NOAA. 2008. Screening Quick Reference Tables (SQuiRT). http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html. Background values for freshwater sediment.
R4	USEPA Region 4. 2001. "Region 4 Ecological Risk Assessment Bulletins - Supplement to RAGS". http://www.epa.gov/region04/waste/ots/ecolbul.html
U	Not detected.
UJ	The chemical was analyzed for and was not present above the level of the associated value.

M9-2E: Evaluation of Detection Limits for Groundwater
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Back Valley	AB	MW190-N24AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Back Valley	AB	MW205-M27AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Back Valley	AB	MW223-L26AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	AB	MW181-I37AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	AB	MW182-K39AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	AB	MW216-G37AB	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	CD	MW183-O39CD	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	CD	MW192-P41CD	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Front Valley	CD	MW193-Q40CD	INORG	Silver	7440-22-4	U	0.0023	0.00032	EC20 Bass Pop	7
Back Valley	A	MW165-O28A	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Back Valley	A	MW166-T32A	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Back Valley	AB	MW208-L26AB	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Back Valley	B	MW168-O28B	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Back Valley	B	SW-13	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Back Valley	E	BW-14	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	M85L-4	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	MW158-N44A	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	MW162-T31A	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	MW167-O44A	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	MW-1S	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	SW-151-1	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	SW-151-2	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	A	SW-152-3	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	B	DW-152-3	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	B	M85L-11	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	C	MW155-P43C	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	D	MW-149-1	INORG	Silver	7440-22-4	U	0.0016	0.00032	EC20 Bass Pop	5
Front Valley	CD	MW235-P39CD	INORG	Silver	7440-22-4	U	0.0014	0.00032	EC20 Bass Pop	4
Back Valley	A	MW166-T32A	PEST	Aldrin	309-00-2	U	0.000006	0.000002	SLERA	3
Back Valley	AB	MW233-O20AB	INORG	Silver	7440-22-4	U	0.00091	0.00032	EC20 Bass Pop	3
Back Valley	AB	MW223-L26AB	VOC	t-Butyl alcohol	75-65-0	U	2	0.63	Tetrachloroethylene	3
Front Valley	A	MW156-P44A	PEST	Aldrin	309-00-2	U	0.0000044	0.000002	SLERA	2
Front Valley	A	MW162-T31A	PEST	Aldrin	309-00-2	U	0.0000044	0.000002	SLERA	2
Back Valley	A	MW165-O28A	PEST	Aldrin	309-00-2	U	0.0000043	0.000002	SLERA	2
Back Valley	B	MW168-O28B	PEST	Aldrin	309-00-2	U	0.0000043	0.000002	SLERA	2

M9-2E: Evaluation of Detection Limits for Groundwater
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Front Valley	A	SW-152-3	PEST	Aldrin	309-00-2	U	0.0000043	0.000002	SLERA	2
Front Valley	A	MW158-N44A	PEST	Aldrin	309-00-2	U	0.0000041	0.000002	SLERA	2
Front Valley	A	MW167-O44A	PEST	Aldrin	309-00-2	U	0.0000041	0.000002	SLERA	2
Front Valley	B	M85L-11	PEST	Aldrin	309-00-2	U	0.0000041	0.000002	SLERA	2
Front Valley	C	MW155-P43C	PEST	Aldrin	309-00-2	UJ	0.0000041	0.000002	SLERA	2
Back Valley	AB	MW208-L26AB	PEST	Aldrin	309-00-2	U	0.000004	0.000002	SLERA	2
Back Valley	E	BW-14	PEST	Aldrin	309-00-2	U	0.000004	0.000002	SLERA	2
Front Valley	A	MW167-O44A	PEST	Aldrin	309-00-2	U	0.000004	0.000002	SLERA	2
Front Valley	A	MW-1S	PEST	Aldrin	309-00-2	U	0.000004	0.000002	SLERA	2
Front Valley	D	MW-149-1	PEST	Aldrin	309-00-2	U	0.000004	0.000002	SLERA	2
Back Valley	A	MW166-T32A	PEST	Aldrin	309-00-2	U	0.0000039	0.000002	SLERA	2
Front Valley	A	MW162-T31A	PEST	Aldrin	309-00-2	U	0.0000039	0.000002	SLERA	2
Front Valley	A	SW-151-2	PEST	Aldrin	309-00-2	U	0.0000039	0.000002	SLERA	2
Back Valley	B	SW-13	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	A	MW158-N44A	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	A	SW-151-1	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	A	SW-151-2	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	A	SW-152-3	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	B	DW-152-3	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	B	DW-152-3	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	C	MW155-P43C	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	C	MW155-P43C	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Front Valley	D	MW-149-1	PEST	Aldrin	309-00-2	U	0.0000038	0.000002	SLERA	2
Back Valley	E	BW-14	PEST	Aldrin	309-00-2	U	0.0000037	0.000002	SLERA	2
Front Valley	AB	MW182-K39AB	PEST	Aldrin	309-00-2	U	0.000003	0.000002	SLERA	2
Front Valley	CD	MW192-P41CD	PEST	Aldrin	309-00-2	U	0.000003	0.000002	SLERA	2
Back Valley	A	MW166-T32A	PEST	Chlordane (total)	57-74-9	U	0.0000094	0.0000043	SLERA	2
Back Valley	AB	MW190-N24AB	PEST	Aldrin	309-00-2	U	0.0000029	0.000002	SLERA	1
Back Valley	AB	MW205-M27AB	PEST	Aldrin	309-00-2	U	0.0000029	0.000002	SLERA	1
Back Valley	B	MW168-O28B	PEST	Aldrin	309-00-2	U	0.0000029	0.000002	SLERA	1
Front Valley	A	MW-1S	PEST	Aldrin	309-00-2	U	0.0000029	0.000002	SLERA	1
Front Valley	A	SW-151-1	PEST	Aldrin	309-00-2	U	0.0000028	0.000002	SLERA	1
Front Valley	AB	MW181-I37AB	PEST	Aldrin	309-00-2	U	0.0000028	0.000002	SLERA	1
Front Valley	CD	MW183-O39CD	PEST	Aldrin	309-00-2	U	0.0000028	0.000002	SLERA	1
Front Valley	CD	MW193-Q40CD	PEST	Aldrin	309-00-2	U	0.0000028	0.000002	SLERA	1

M9-2E: Evaluation of Detection Limits for Groundwater
Chemtronics Site - Swannanoa, NC

Unit	Code	Location	Group	Chemical	CASRN	Flag	SQL	BERA Criterion	Source	Ratio of SQL/Crit
Back Valley	AB	MW233-O20AB	PEST	Aldrin	309-00-2	U	0.000002	0.000002	SLERA	1
Front Valley	CD	MW235-P39CD	PEST	Aldrin	309-00-2	U	0.000002	0.000002	SLERA	1
Back Valley	AB	MW223-L26AB	PEST	Aldrin	309-00-2	U	0.0000019	0.000002	SLERA	1
Front Valley	AB	MW216-G37AB	PEST	Aldrin	309-00-2	U	0.0000019	0.000002	SLERA	1
Back Valley	AB	MW190-N24AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Back Valley	AB	MW205-M27AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Back Valley	AB	MW223-L26AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	AB	MW181-I37AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	AB	MW182-K39AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	AB	MW216-G37AB	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	CD	MW183-O39CD	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	CD	MW192-P41CD	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	CD	MW193-Q40CD	INORG	Cadmium	7440-43-9	U	0.002	0.0017	LCV Fish	1
Front Valley	CD	MW192-P41CD	PEST	Chlordane (total)	57-74-9	U	0.0000048	0.0000043	SLERA	1
Back Valley	AB	MW190-N24AB	PEST	Chlordane (total)	57-74-9	U	0.0000045	0.0000043	SLERA	1
Back Valley	B	MW168-O28B	PEST	Chlordane (total)	57-74-9	U	0.0000045	0.0000043	SLERA	1
Front Valley	A	MW-1S	PEST	Chlordane (total)	57-74-9	U	0.0000045	0.0000043	SLERA	1
Front Valley	CD	MW193-Q40CD	PEST	Chlordane (total)	57-74-9	U	0.0000045	0.0000043	SLERA	1
Front Valley	A	SW-151-1	PEST	Chlordane (total)	57-74-9	U	0.0000044	0.0000043	SLERA	1
Front Valley	AB	MW181-I37AB	PEST	Chlordane (total)	57-74-9	U	0.0000044	0.0000043	SLERA	1
Front Valley	CD	MW183-O39CD	PEST	Chlordane (total)	57-74-9	U	0.0000044	0.0000043	SLERA	1
Front Valley	CD	MW235-P39CD	PEST	Chlordane (total)	57-74-9	U	0.0000043	0.0000043	SLERA	1
Back Valley	AB	MW233-O20AB	PEST	Chlordane (total)	57-74-9	U	0.0000042	0.0000043	SLERA	1

1	Value is <=2.
5	Value is between 3 and 10.

EC20	20% effects concentration. Value taken from Daphnia (Daph), bass (Bass pop), or fish (Fish) studies found in ORNL.
LCV	Lowest acceptable chronic value. Value taken from Daphnia (Daph), plants (Plants), or fish (Fish) studies found in ORNL.
SLERA	Screening level ecological risk assessment.
U	Not detected.
UJ	The chemical was analyzed for and was not present above the level of the associated value.

M9-3A: pH Of Soil Samples
Chemtronics Site - Swannanoa, NC

Area	Sample	pH
B116128	B116128B11S1	5.55
B116128	B116128B1S1	5.55
B116128	B116128B3S1	4.55
B116128	B116128B4S1	5.15
B117	B117B1S1	5.34
B117	B117S1S1	5.34
B117	B117S1S1DUP	5.34
B117	B117S2S1 Unspiked	5.34
B117	B117S3S1	5.34
B117	B117S4S1	5.34
B155	B155B1S1	5.02
B155	B155B2S1	5.02
B155	B155B3S1	5.02
B155	B155B4S1	5.02
B155	B155S1S1	5.02
B155	B155S1S1DUP	5.02
B155	B155S2S1	5.02
DEBAREA1	DebrisArea1S10S1	5.78
DEBAREA1	DebrisArea1S11S1	5.78
DEBAREA1	DebrisArea1S12S1	5.78
DEBAREA1	DebrisArea1S13S1	5.78
DEBAREA1	DebrisArea1S14S1	5.78
DEBAREA1	DebrisArea1S15S1	5.78
DEBAREA1	DebrisArea1S16S1	5.78
DEBAREA1	DebrisArea1S17S1	5.78
DEBAREA1	DebrisArea1S18S1	5.78
DEBAREA1	DebrisArea1S19S1	5.78
DEBAREA1	DebrisArea1S1S1	5.78
DEBAREA1	DebrisArea1S1S1DUP	5.78
DEBAREA1	DebrisArea1S2S1	5.78
DEBAREA1	DebrisArea1S3S1	5.78
DEBAREA1	DebrisArea1S4S1	5.78
DEBAREA1	DebrisArea1S5S1	5.78
DEBAREA1	DebrisArea1S6S1	5.78
DEBAREA1	DebrisArea1S6S1MS	5.78
DEBAREA1	DebrisArea1S6S1MSD	5.78
DEBAREA1	DebrisArea1S7S1	5.78
DEBAREA1	DebrisArea1S7S1Dup	5.78
DEBAREA1	DebrisArea1S8S1	5.78
DEBAREA1	DebrisArea1S9S1	5.78
PSO	PSOB1S1	5.80
TA	TAS1S1	5.36
TA	TAS1S1DUP	5.36
TA	TAS2S1	5.36
TA	TAS3S1	5.36
TA	TAS4S1	5.36
TA	TAS5S1	5.36

M9-3A: pH Of Soil Samples
Chemtronics Site - Swannanoa, NC

Area	Sample	pH
TA	TAS6S1	5.36
TA	TAS7S1	5.36
TA	TAS8S1	5.36
TRA1	TRA1S1S1	5.39
TRA1	TRA1S2S1	5.39
TRA1	TRA1S3S1	5.39
TRA1	TRA1S3S1DUP	5.39
TRA1	TRA1S4S1 Unspiked	5.39
TRA2	TRA2S1S1	5.55
TRA2	TRA2S2S1	5.55
TRA2	TRA2S3S1	5.55
TRA2	TRA2S4S1	5.55
TRA2	TRA2S5S1	5.55
TRA2	TRA2S6S1	5.55
TRA3	TRA3S10S1	5.62
TRA3	TRA3S1S1	5.62
TRA3	TRA3S2S1	5.62
TRA3	TRA3S3S1	5.62
TRA3	TRA3S4S1	5.62
TRA3	TRA3S5S1	5.62
TRA3	TRA3S6S1	5.62
TRA3	TRA3S7S1	5.62
TRA3	TRA3S8S1	5.62
TRA3	TRA3S9S1	5.62

Sitewide Average	5.51
Sitewide Geometric Mean	5.50
Sitewide Minimum	4.55
Sitewide Maximum	5.80

M9-3B: Co-Located pH and Aluminum Data
Chemtronics Site - Swannanoa, NC

Area	Sample	Aluminum Result mg/kg	Flag	Aluminum SQL	pH	BKG 2x Mean	Result-BKG
B116128	B116128B3S1	28,100		26.7	4.55	69,317	<BKG
B155	B155S1S1	69,600		124	5.02	69,317	283
B155	B155S1S1DUP	68,800		124	5.02	69,317	<BKG
B155	B155B1S1	37,400		64	5.02	69,317	<BKG
B155	B155B4S1	32,800		61	5.02	69,317	<BKG
B155	B155B2S1	31,900		65.4	5.02	69,317	<BKG
B155	B155S2S1	31,600		83.7	5.02	69,317	<BKG
B155	B155B3S1	18,500		6.01	5.02	69,317	<BKG
B116128	B116128B4S1	31,400		6.43	5.15	69,317	<BKG
B117	B117S4S1	43,400		6.23	5.34	69,317	<BKG
B117	B117B1S1	40,600		59.2	5.34	69,317	<BKG
B117	B117S3S1	28,300		32.2	5.34	69,317	<BKG
B117	B117S1S1	26,700		28.8	5.34	69,317	<BKG
B117	B117S1S1DUP	24,100		29.4	5.34	69,317	<BKG
B117	B117S2S1 Unspiked	18,900		31.2	5.34	69,317	<BKG
TA	TAS8S1	30,500		5.81	5.36	69,317	<BKG
TA	TAS4S1	29,600		6.07	5.36	69,317	<BKG
TA	TAS2S1	26,200		31.2	5.36	69,317	<BKG
TA	TAS1S1DUP	25,300		29.6	5.36	69,317	<BKG
TA	TAS3S1	24,100		60.7	5.36	69,317	<BKG
TA	TAS5S1	24,000		30.6	5.36	69,317	<BKG
TA	TAS1S1	23,700		29.4	5.36	69,317	<BKG
TA	TAS6S1	21,700		30.1	5.36	69,317	<BKG
TA	TAS7S1	20,400		6.34	5.36	69,317	<BKG
TRA1	TRA1S2S1	45,900		64	5.39	69,317	<BKG
TRA1	TRA1S3S1	28,300		68.6	5.39	69,317	<BKG
TRA1	TRA1S1S1	28,200		30.9	5.39	69,317	<BKG
TRA1	TRA1S3S1DUP	27,600		62.6	5.39	69,317	<BKG
TRA1	TRA1S4S1 Unspiked	26,800		64.5	5.39	69,317	<BKG
TRA2	TRA2S1S1	30,700		6.61	5.55	69,317	<BKG
B116128	B116128B1S1	26,400		30.3	5.55	69,317	<BKG
TRA2	TRA2S2S1	24,500		7.29	5.55	69,317	<BKG
TRA2	TRA2S5S1	23,700		6.93	5.55	69,317	<BKG
TRA2	TRA2S6S1	23,200		6.97	5.55	69,317	<BKG
TRA2	TRA2S3S1	19,600		6.33	5.55	69,317	<BKG
TRA2	TRA2S4S1	11,900		6.03	5.55	69,317	<BKG
TRA3	TRA3S6S1	29,800		30.2	5.62	69,317	<BKG
TRA3	TRA3S9S1	28,500		68.8	5.62	69,317	<BKG
TRA3	TRA3S1S1	25,000		31.4	5.62	69,317	<BKG
TRA3	TRA3S7S1	25,000		60.9	5.62	69,317	<BKG
TRA3	TRA3S2S1	24,600		30.4	5.62	69,317	<BKG
TRA3	TRA3S10S1	24,300		28.6	5.62	69,317	<BKG
TRA3	TRA3S8S1	24,300		60.6	5.62	69,317	<BKG
TRA3	TRA3S3S1	23,300		64.5	5.62	69,317	<BKG
TRA3	TRA3S4S1	23,300		30.9	5.62	69,317	<BKG
TRA3	TRA3S5S1	22,700		30	5.62	69,317	<BKG
DEBAREA1	DebrisArea1S2S1	37,800		64.2	5.78	69,317	<BKG
DEBAREA1	DebrisArea1S3S1	23,000		49.8	5.78	69,317	<BKG
DEBAREA1	DebrisArea1S1S1DUP	20,700		28.6	5.78	69,317	<BKG
DEBAREA1	DebrisArea1S1S1	17,300		55.4	5.78	69,317	<BKG
PSO	PSOB1S1	21,300		5.64	5.80	69,317	<BKG
B152	B152S3S1	74,700		130		69,317	5,383
APDA789	APDA789B8S1	64,000		65.2		69,317	<BKG
B125136	B125136S2S1	63,200		125		69,317	<BKG
APDA789	APDA789B7S1DUP	61,900		69		69,317	<BKG
APDA789	APDA789B7S1	60,700		68.6		69,317	<BKG
B134	B134S4S1	60,100		6.6		69,317	<BKG
B125136	B125136S8S1	57,600		65.7		69,317	<BKG
B125136	B125136S1S1	56,900		64.7		69,317	<BKG
BGS	BGS6S1	54,900		5.88		69,317	<BKG
BGS	BGS5S1	54,100		5.93		69,317	<BKG
BGS	BGS10S1	53,300		6.08		69,317	<BKG
B109137	B109137B2S1	52,300		64.8		69,317	<BKG
B144	B144B1S1	51,900		66.8		69,317	<BKG
BP	BPS1S1	50,000		61.2		69,317	<BKG
B147	B147B1S1	49,900	J	127		69,317	<BKG
B114	B114B3S1	47,800		60.5		69,317	<BKG
B110111112	B110111112B3S1	47,700		6.12		69,317	<BKG
B105139	B105139B7S1	47,600		114		69,317	<BKG
B152	B152S1S1	46,900		60.2		69,317	<BKG
B125136	B125136S1S1DUP	46,100		64.7		69,317	<BKG
B142	B142B1S1	46,100		73.3		69,317	<BKG
BGS	BGS7S1	45,900		6.33		69,317	<BKG
B142	B142B1S1DUP	45,500		74.7		69,317	<BKG
B113	B113B11S1DUP	45,000		6.07		69,317	<BKG
APDA789	APDA789B5S1	44,900		64.2		69,317	<BKG
BP	BPB1S1	44,600		62.6		69,317	<BKG
B-E-R	BERS2S1	44,500		123		69,317	<BKG
B115	B115B1S1	44,400		28.4		69,317	<BKG
B110111112	B110111112B5S1	44,300		5.93		69,317	<BKG
BP	BPS1S1DUP	44,100		61.3		69,317	<BKG
B115	B115B3S1	44,000		30.1		69,317	<BKG
B113	B113B11S1	43,800		6.02		69,317	<BKG
B122	B122B9S1	43,800		61.3		69,317	<BKG

M9-3B: Co-Located pH and Aluminum Data
Chemtronics Site - Swannanoa, NC

Area	Sample	Aluminum Result mg/kg	Flag	Aluminum SQL	pH	BKG 2x Mean	Result-BKG
B154	B154S2S1	43,700		57.5		69,317	<BKG
B105139	B105139B10S1	43,600		60.7		69,317	<BKG
B154	B154B1S1	43,400		56.9		69,317	<BKG
B122	B122B1S1	42,900		63.7		69,317	<BKG
B115	B115B2S1	42,800		67.7		69,317	<BKG
B109137	B109137B1S1	42,700		60.4		69,317	<BKG
B110111112	B110111112B1S1	42,700		78.6		69,317	<BKG
B105139	B105139B12S1	42,500		123		69,317	<BKG
B107	B107B3S1	42,500		34.1		69,317	<BKG
B113	B113B7S1	41,900		5.9		69,317	<BKG
BGS	BGS3S1	41,600		6.17		69,317	<BKG
B147	B147B2S1	41,400		7.39		69,317	<BKG
BVL	BVLS1S1	41,400		5.49		69,317	<BKG
DA23	DA23B3S1	41,300		62.7		69,317	<BKG
B113	B113B8S1	40,700		5.62		69,317	<BKG
B153	B153B3S1	40,700		6.4		69,317	<BKG
B156	B156S2S1	40,200		6.51		69,317	<BKG
B104145	B104145B4S1	40,100		59.8		69,317	<BKG
DA23	DA23S1S1DUP	40,100		61		69,317	<BKG
B142	B142B2S1 Unspiked	40,000		64.2		69,317	<BKG
B124135	B124135B4S1	39,900		5.88		69,317	<BKG
DA23	DA23S1S1	39,500		61.9		69,317	<BKG
B147	B147B3S1	39,200	J	118		69,317	<BKG
B110111112	B110111112B7S1	38,500		5.98		69,317	<BKG
B125136	B125136S4S1	38,500		62.6		69,317	<BKG
B152	B152S2S1	38,500		61		69,317	<BKG
B104145	B104145B3S1	38,400		61.7		69,317	<BKG
B105139	B105139B11S1	38,100		65.2		69,317	<BKG
B110111112	B110111112B6S1	37,900		124		69,317	<BKG
B147	B147B11S1	37,800	J	128		69,317	<BKG
B106	B106S2S1	37,600		6.04		69,317	<BKG
B122	B122B6S1	37,500		66.5		69,317	<BKG
B148	B148B3S1	37,500		128		69,317	<BKG
B149	B149B3S1	37,500		5.93		69,317	<BKG
B125136	B125136B2S1	37,400		60.8		69,317	<BKG
B149	B149S1S1	37,400		6.26		69,317	<BKG
B147	B147B6S1	37,100		30.8		69,317	<BKG
B110111112	B110111112B4S1	37,000		6.16		69,317	<BKG
B147	B147B4S1	37,000	J	128		69,317	<BKG
B147	B147B10S1	36,600	J	128		69,317	<BKG
B144	B144S1S1	36,000		119		69,317	<BKG
B107	B107B5S1	35,900		28.8		69,317	<BKG
B147	B147B8S1	35,900	J	125		69,317	<BKG
B113	B113B1S1	35,500		61.1		69,317	<BKG
B147	B147B7S1	35,500	J	68.8		69,317	<BKG
B153	B153B2S1	35,300		57.1		69,317	<BKG
B149	B149S1S1DUP	35,000		6.26		69,317	<BKG
B122	B122B5S1	34,700		64.8		69,317	<BKG
APDA789	APDA789B6S1	34,400		61.4		69,317	<BKG
B104145	B104145B2S1	34,400		65.5		69,317	<BKG
B123	B123S1S1	34,400		30.7		69,317	<BKG
B125136	B125136S5S1	34,100		60.3		69,317	<BKG
B147	B147B12S1	34,000	J	61.6		69,317	<BKG
B142	B142B4S1	33,800		65.3		69,317	<BKG
B125136	B125136B3S1	33,500		62.7		69,317	<BKG
B113	B113B6S1	33,400		6.38		69,317	<BKG
B125136	B125136B1S1	33,100		60.7		69,317	<BKG
B107	B107S1S1	33,000		6.38		69,317	<BKG
B125136	B125136S6S1	32,900		59.9		69,317	<BKG
B104145	B104145B5S1	32,700		62.8		69,317	<BKG
B143	B143B1S1	32,700		37.3		69,317	<BKG
B149	B149B2S1	32,700		6.18		69,317	<BKG
B153	B153B1S1DUP	32,700		6.04		69,317	<BKG
BGS	BGS9S1	32,700		32.3		69,317	<BKG
B110111112	B110111112B2S1	32,600		6.11		69,317	<BKG
B125136	B125136S7S1	32,600		59.9		69,317	<BKG
B144	B144S1S1DUP	32,600		114		69,317	<BKG
B114	B114B2S1DUP	32,500		58.4		69,317	<BKG
B153	B153B1S1	32,500		6.22		69,317	<BKG
B105139	B105139B1S1	32,400		114		69,317	<BKG
B156	B156S1S1	32,200		6.55		69,317	<BKG
B107	B107B2S1	32,000		6.33		69,317	<BKG
B106	B106B1S1	31,900		6.06		69,317	<BKG
B108	B108S1S1DUP	31,700		59.2		69,317	<BKG
B149	B149B1S1	31,700		5.96		69,317	<BKG
B104145	B104145B8S1	31,600		32.1		69,317	<BKG
B110111112	B110111112B2S1DUP	31,600		5.88		69,317	<BKG
B147	B147B6S1DUP	31,600		5.98		69,317	<BKG
B109137	B109137B3S1	31,200		59.2		69,317	<BKG
B150151	B150151B2S1	31,100		5.86		69,317	<BKG
B107	B107B1S1	30,900		6.2		69,317	<BKG
B123	B123S3S1	30,600		31.1		69,317	<BKG
B154	B154S1S1	30,500		6.14		69,317	<BKG
B134	B134S2S1	30,400		6.15		69,317	<BKG

M9-3B: Co-Located pH and Aluminum Data
Chemtronics Site - Swannanoa, NC

Area	Sample	Aluminum Result mg/kg	Flag	Aluminum SQL	pH	BKG 2x Mean	Result-BKG
B124135	B124135B5S1	30,000		5.86		69,317	<BKG
B119120	B119120S1S1	29,900		30.7		69,317	<BKG
B105139	B105139B3S1DUP	29,500		57.7		69,317	<BKG
B108	B108S1S1	29,500		59.4		69,317	<BKG
DA23	DA23B2S1	29,500		33.6		69,317	<BKG
B113	B113B4S1	29,300		5.66		69,317	<BKG
B134	B134S1S1	29,000		6.26		69,317	<BKG
B-E-R	BERS1S1	28,600		34.9		69,317	<BKG
B124135	B124135S3S1	28,400		6.48		69,317	<BKG
APDA789	APDA789B1S1	28,300		31.8		69,317	<BKG
BGS	BGS11S1	28,000		5.79		69,317	<BKG
B124135	B124135B2S1	27,900		6.25		69,317	<BKG
B113	B113B9S1	27,800		6.41		69,317	<BKG
B147	B147B5S1	27,700		42.2		69,317	<BKG
B-E-R	BERS3S1	27,700		57.7		69,317	<BKG
BP	BPB2S1	27,600		29		69,317	<BKG
DUMP	DUMPTP3S1	27,400		7.12		69,317	<BKG
B150151	B150151B3S1	27,300		5.97		69,317	<BKG
B107	B107B4S1	27,200		27.4		69,317	<BKG
BP	BPS2S1	27,200		72.4		69,317	<BKG
B105139	B105139B6S1	26,900		31.2		69,317	<BKG
B105139	B105139B2S1	26,700		29.9		69,317	<BKG
B150151	B150151B1S1DUP	26,700		6.48		69,317	<BKG
B150151	B150151B1S1	26,600		6.55		69,317	<BKG
B103	B103B3S1	26,500		27.9		69,317	<BKG
B113	B113B5S1	26,500		6.01		69,317	<BKG
B103	B103B2S1	26,100		29.6		69,317	<BKG
B143	B143B2S1	26,000		38.4		69,317	<BKG
B124135	B124135B3S1	25,800		5.97		69,317	<BKG
DUMP	DUMPTP1S1	25,800		6.23		69,317	<BKG
B105139	B105139B8S1	25,600		31.1		69,317	<BKG
BGS	BGS4S1	25,400		6.22		69,317	<BKG
B104145	B104145B6S1	25,200		32.1		69,317	<BKG
DUMP	DUMPTP5S1	25,200		6.48		69,317	<BKG
B114	B114B2S1	25,100		29.2		69,317	<BKG
B113	B113B2S1	25,000		6.17		69,317	<BKG
B-E-R	BERS3S1DUP	24,800		58.1		69,317	<BKG
B156	B156B1S1	24,400		7.21		69,317	<BKG
B119120	B119120B1S1	24,200		5.91		69,317	<BKG
B104145	B104145B1S1DUP	24,000		28.1		69,317	<BKG
B146	B146B3S1	24,000		5.93		69,317	<BKG
B148	B148B1S1	23,800		29.9		69,317	<BKG
B119120	B119120B3S1	23,700		5.81		69,317	<BKG
B123	B123B1S1	23,600		6.38		69,317	<BKG
B147	B147B9S1	23,600	J	31.1		69,317	<BKG
B148	B148B2S1	23,500		29.7		69,317	<BKG
B105139	B105139B3S1	23,200		29.1		69,317	<BKG
B149	B149B4S1	23,100		6.11		69,317	<BKG
B148	B148B2S1DUP	22,500		29.1		69,317	<BKG
B107	B107B6S1	22,200		39.7		69,317	<BKG
B122	B122B8S1	22,200		29.4		69,317	<BKG
B105139	B105139B5S1	21,900		28.2		69,317	<BKG
B142	B142B3S1	21,900		64.7		69,317	<BKG
B124135	B124135B1S1	21,600		6.24		69,317	<BKG
B113	B113B10S1	21,300		6.01		69,317	<BKG
B124135	B124135S2S1	21,000		6.01		69,317	<BKG
BGS	BGS1S1	21,000		6.19		69,317	<BKG
DUMP	DUMPS1S1	21,000		6.07		69,317	<BKG
DUMP	DUMPS1S1DUP	21,000		6.15		69,317	<BKG
B143	B143B3S1	20,500		38.6		69,317	<BKG
B146	B146B1S1	20,300		5.71		69,317	<BKG
BGS	BGS2S1	20,100		6.02		69,317	<BKG
B105139	B105139B14S1	20,000		121		69,317	<BKG
B124135	B124135B8S1	19,900		6.26		69,317	<BKG
BGS	BGS12S1	19,600		5.9		69,317	<BKG
APDA789	APDA789B2S1	19,400		32.4		69,317	<BKG
B104145	B104145B1S1	19,300		28.9		69,317	<BKG
BGS	BGS8S1	19,300		6.05		69,317	<BKG
B105139	B105139B13S1	19,200		33.4		69,317	<BKG
B125136	B125136S3S1	17,900		30.1		69,317	<BKG
B119120	B119120B4S1	17,600		5.65		69,317	<BKG
B113	B113B3S1	17,500		5.48		69,317	<BKG
B104145	B104145B7S1	17,400		30.7		69,317	<BKG
B105139	B105139B9S1	17,400		25.7		69,317	<BKG
B124135	B124135B7S1	17,400		5.73		69,317	<BKG
B115	B115B4S1	17,300		32.7		69,317	<BKG
B149	B149B5S1	17,000		5.66		69,317	<BKG
B153	B153S1S1	16,700		6.68		69,317	<BKG
B105139	B105139B4S1	16,600		26.6		69,317	<BKG
B103	B103B1S1	16,500		118		69,317	<BKG
APDA789	APDA789B4S1	16,300		29.6		69,317	<BKG
B108	B108B2S1	16,200		28.4		69,317	<BKG
APDA789	APDA789B3S1	15,800		29.9		69,317	<BKG
B123	B123S2S1	15,600		5.56		69,317	<BKG

M9-3B: Co-Located pH and Aluminum Data
Chemtronics Site - Swannanoa, NC

Area	Sample	Aluminum Result mg/kg	Flag	Aluminum SQL	pH	BKG 2x Mean	Result-BKG
B134	B134S3S1	15,500		5.67		69,317	<BKG
B122	B122B7S1-DUP	15,200		27.5		69,317	<BKG
B122	B122B10S1	14,900		28.7		69,317	<BKG
B124135	B124135S1S1DUP	14,000		6.12		69,317	<BKG
B122	B122B7S1	13,900		27.4		69,317	<BKG
B124135	B124135S1S1	13,500		6.05		69,317	<BKG
B122	B122B3S1	11,400		5.83		69,317	<BKG
B122	B122B2S1	9,390		28.8		69,317	<BKG

<BKG	Less than background.
BKG	Background
J	Estimated value.
mg/kg	Milligram per kilogram.