April 4, 2016

North Carolina Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646

Att: Mr. Billy Meyer
DSCA Project Manager

Re: Prioritization Assessment Report
Model Laundry & Dry Cleaners DSCA Site ID #DC320027
808 Washington Street
Durham, Durham County, North Carolina

Dear Mr. Meyer:

URS Corporation – North Carolina (URS) is pleased to provide the attached *Prioritization Assessment Report* for the former Model Laundry & Dry Cleaners site located at 808 Washington Street, Durham, North Carolina.

Specifically, this report includes documentation pertaining to the following site investigation activities completed from December 2015 to March 2016 in accordance with State Lead Authorization for Work (SLAW) 001, dated November 3, 2015:

- Installation of 20 soil borings (SB-1 to SB-20) to delineate the extent of soil impacts;
- The development of preliminary Site-specific target level (SSTL) calculations for pertinent compounds necessary as part of initial soil quality evaluation;
- Collection of sub-slab vapor samples in the former drycleaner; and,
- Collection of indoor air and confirmatory indoor air samples in the former drycleaner.

This *Prioritization Assessment Report* includes the following: DSCA Assessment Report forms, DSCA Analytical Data Tables for soil and vapor results, soil boring logs, laboratory analytical reports, preliminary DSCA Risk Calculators, and updated soil and vapor quality figures.

URS Corporation – North Carolina
6000 Fairview Road, Suite 200
Charlotte, North Carolina 28210
(704) 522-0330 Phone
(704) 522-0063 Fax

If you have any questions or require additional information, please do not hesitate to call either Rob MacWilliams at 704-522-0330 or Carlin Slusher at 919-461-1341.

Sincerely,

URS CORPORATION-NORTH CAROLINA

Carlin E. Slusher
Project Manager

Robert H. MacWilliams, PG
Program Manager

Assessment Report Forms
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Model Laundry and Cleaners
	808 Washington Street, Durham, NC
DSCA ID No.:	DC320027
Submittal Date:	April 4, 2016
Prepared By:	Carlin Slusher; Rob MacWilliams, PG
	URS Corporation - North Carolina

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Form 5	Site Stratigraphy and Hydrogeology	☑
Form 6	Non-Aqueous Phase Liquid (NAPL) Information	☑
	Assessment Report Attachments	
Att. 1	Site location map.	☑
Att. 2	Historical aerial photograph.	☐
Att. 3	Historical maps and fire insurance records.	☐
Att. 4	Facility as-building drawings.	☐
Att. 5	Facility layout diagram indicating the following (if applicable): (i) Service doors, (ii) current and historic location of drycleaning equipment, (iii) solvent/waste storage areas (including ASTs and USTs), (iv) distillation unit, (v) location of septic tank/drainfield or sanitary sewer lateral line, (vi) floor drains, (vii) storm sewer, (viii) expansion joints and cracks in floor, (ix) location of utilities, and (x) location of dumpsters.	☑
Att. 6	Utility records, including videos of sewer lines and pressure testing.	☐
Att. 7	Scaled vicinity map illustrating surrounding land use within 500 foot and 0.5 mile radii of the site.	☑
Att. 8	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site.	☐
Att. 9	Area geologic map/relevant cross-sections.	☐
Att. 10	Soil boring logs which must include the following: (i) OVA or other field screening readings, (ii) depth of samples collect, (iii) odor, (iv) staining, (v) blow counts (if applicable), (vi) interval recovery, (vii) structures and/or bedding, (viii) moisture content, and (ix) borehole disposition (abandonment or conversion to monitor well).	☑
Att. 11	Site map showing location(s) of soil sample(s).	☑
Att. 12	Soil contaminant concentration maps showing the concentration at each sampling point.	☑
Att. 13	Soil isoconcentration maps.	☐
Att. 14	Site map showing location(s) of monitoring well(s).	☐
Att. 15	Well completion diagrams and records of construction submitted to state.	☐
Att. 16	Groundwater gradient map.	☐
Att. 17	Groundwater contaminant concentration maps showing the concentration at each sampling point and isoconcentration maps.	☐
Att. 18	Map showing location(s) of surface water sample(s) (if applicable).	☐
Att. 19	Surface water concentration map showing the concentration at each sampling point (if applicable).	☐

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DSCA ID No.: DC320027		
Form/Att. No.	**Description**	**Check box if included**
	Assessment Report Attachments continued (Page 2 of 2)	
Att. 20	Map showing location(s) of water supply well(s) (if applicable).	☐
Att. 21	Laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation.	☑
Att. 22	Surrounding Properties Map	☑
Att. 23	Air Quality Map	☑
Att. 24	Risk Calculators	☑
Att. 25	Preliminary SSTLs	☑

Note:

1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Facility Information **AR Form 1**

DSCA ID No.: DC320027

☐	Currently operating facility since	
☑	Previously operating facility since	1935
☐	Temporarily out of service from	to
☑	Permanently out of service since	1970

Provide the name, address and telephone number of the current dry-cleaning business and the dry-cleaning business owner. If no current business at the facility, provide the name and address of the last dry-cleaner doing business at the site.

Facility name:	United Dry Cleaners (1935-1945); Model Laundry (1945-1970)
Facility address (include name of shopping centre and the county where facility is located):	808 Washington Street Durham, NC
Facility telephone number (if applicable):	
Facility Owner's Name:	
Owner's Mailing Address:	Todd Atlas of Atlas Foster Real Estate 2409 Wrightwood Ave. Durham, NC 27701
Owner's Telephone number:	919-321-1538

Provide the earliest known date of the facility use for dry-cleaning buisness and the name of the dry-cleaning buisness (if applicable).

Approximately 1935

Provide information on businesses that occupied the facility that may use or have used solvents and other chemicals. Identify solvents and chemicals used at the facility (if applicable).

United Dry Cleaners operated from approximately 1935 to 1945 and Model Laundry Company operated as a dry cleaning department from 1945 to 1970, according to a Phase I ESA completed by ECS, Ltd on July 18, 2001.

Report Prepared By

I certify that the prioritization assessment as stated in this report was prepared under my supervision.

Contractor	Date
Rob MacWilliams, PG	URS Corporation - North Carolina
Printed Name	Company Name

DSCA ID No.: DC320027

Number of dry-cleaning machines used at current or former facility: **Unknown**

Type of dry-cleaning machines used at current or former facility (e.g., transfer, dry-to-dry with vented exhaust, etc.).

Unknown

Type of dry-cleaning solvents used by each type of machine.

Unknown

Where are/were the dry-cleaning solvents stored at the facility site? (Machine base tanks, UST(s), AST(s), etc.)

Unknown

Are chlorinated dry cleaning solvents delivered to the facility by means of a closed, direct-coupled delivery system?

Unknown

Are virgin (new) solvents stored in containers other than the dry-cleaning machine?	○ Yes	● No
Are or were any USTs or ASTs used to store any petroleum or hazardous substances other than dry-cleaning solvents at the facility	○ Yes	● No

If yes, provide information about the substance stored, year taken out of service, virgin solvent or waste solvent, etc.

What methods of disposal are used or have been used for separator water?

Unknown

Provide information about the current/historical waste management practices, including types of wastes that are/were generated and how the waste are/were stored and managed.

Unknown

Site History	AR Form 2

DSCA ID No.: DC320027

Ground Surface Conditions

☐ Unpaved
☑ Paved % area paved: 95
Any visible cracks in pavement? ◉ Yes ○ No

Subsurface Utilities

In the space provided for additional notes, please indicate the location and distance from soil and/or groundwater contamination to the nearest subsurface utility line and access point (e.g., manhole).

Have the utilities been screened for vapor levels? ○ Yes ◉ No
If YES, attach documentation of vapor monitoring results.

Indicate which of the following utilities currently act as conduits, or are likely to become conduits, under the columns entitled "Impacted by Release," and "Potentially Impacted by Release," respectively.

	Depth [feet]	Type of Material	Flow Direction	Impacted by Release	Potentially Impacted by Release
☑ Sanitary sewer	3-5			Unknown	Potentially
☐ Septic drainfields					
☐ Covered storm sewer					
☐ Open ditch					
☑ Water line	3-5			Unknown	Potentially
☑ Gas line	3-5			Unknown	Unlikely
☐ Electric line					
☐ Telephone line					
☐ Other					

Release Characterization

Date the release was discovered: 17-Feb-06
Date the release was reported: 20-Mar-06
Type of release (explain):

Has the release been abated?	◉ Yes ○ No	Dry cleaner no longer operating
Is native soil impacted?	◉ Yes ○ No	
Is groundwater impacted?	◉ Yes ○ No	
Is surface water impacted?	○ Yes ◉ No	Not evaluated

Release Discovery

☐ UST(s)/AST(s) removal
☐ Inventory control
☐ Facility remodeling/Construction activity
☑ Environmental assessment
☐ Other (specify) Subsurface Evaluation completed by Ed Aguirre & Associates, Inc. in February 2006.
☐ Known spill incident
☐ Citizen complaint
☐ Assessment on adjacent property
☐ Unknown

Site History	AR Form 2

DSCA ID No.: DC320027

Source(s) of Release

- [ ] Spills/Overfills
- [ ] Piping
- [ ] Other (specify)
- [ ] Tanks
- [x] Unknown

Chemicals of Concern

- [ ] 1,1,1-Trichloroethane
- [ ] 1,1,2,2-Tetrachloroethane
- [ ] 1,1,2-Trichloroethanae
- [ ] 1,1-Dichloroethane
- [ ] 1,1-Dichloroethylene
- [x] 1,2-Dichloroethane (EDC)
- [x] Benzene
- [ ] Benzo(a)pyrene
- [ ] Carbon tetrachloride
- [ ] Chloroform
- [x] Others
- [x] cis-1,2-Dichloroethylene
- [x] Ethylbenzene
- [x] Methyl tert-butyl ether (MTBE)
- [x] Naphthalene
- [x] Tetrachloroethylene
- [x] Toluene
- [ ] trans-1,2-Dichloroethylene
- [x] Trichloroethylene
- [x] Vinyl chloride
- [x] Xylenes (total)

Additional Notes

Chemicals of concern listed above are those analytes that have been detected above the NCAC 2L standard at the adjacent Scott & Roberts Cleaners (#DC320011) as part of groundwater assessment activities. Other VOC analytes detected above the NCAC 2L standard include: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropyl ether, n-propylbenzene, isopropylbenzene, sec-butylbenzene, and n-butylbenzene.

Land Use and Receptor Survey **AR Form 3**

DSCA ID No.: DC320027

Land Use

On-site Land Use	Current	Future
Residential	○	○
Commercial/Industrial	◉	◉
Other	○	○

Justify the choice for future land use:

Current use of the property is commercial. It is unlikely that future use will change.

Immediate Off-site Land Use (within 500 feet - at a minimum, state whether, residential, commercial/industrial, agricultural, or ecologically sensitive area). Indicate distances to residential/commercial/industrial buildings having basements which are occupied.

North:	Commercial - Gas station
Northeast:	Commercial/Residential
Northwest:	Residential - single-family residences
South:	Commercial
Southeast:	Commercial
Southwest:	Residential/Commercial
West:	Residential - Trinity Lofts
East:	Commercial/Residential

Receptor Survey

List the distance and the direction (downgradient, upgradient, or crossgradient) to these facilites within 0.5 mile radius of the site (If necessary provide details in additional notes).

	Distance [feet]	Direction
Nearest residential site:	50	Downgradient (W)
Nearest commercial/industrial site:	On-site	N/A
If site is vacant, nearest inhabited building:	N/A	N/A
Nearest ecologically sensitive area (agricultural areas, parks/recreational areas, widlife sanctuaries, wetlands):	~650	Downgradient (W)
Nearest school, hospital, day care, nursing home etc.:	350	Crossgradient (E)
Nearest public supply well:	> 1,500	N/A
Nearest private supply well:	> 1,500	N/A
Nearest point of exposure (current or potential) for groundwater ingestion:	420	N/A
Nearest surface water body:	~650	Crossgradient (NW)

Additional Notes

Nearest point of exposure (potential) is assumed to be the downgradient property boundary. Receptor survey was completed in accordance with the DSCA Program's Guidance for Conducting the Prioritization Assessment dated October 21, 2004. Receptor survey information provided in the Scott & Roberts Cleaners (#DC320011) Prioritization Assessment Report, dated March 1, 2011. The aforementioned information was obtained via the Durham County (http://www.co.durham.nc.us/) and the City of Durham (http://www.ci.durham.nc.us/) webpages.

Groundwater Use, Surface Water Use, and Ecological Survey	AR Form 4

DSCA ID No.: DC320027

Groundwater Use

Is the groundwater used on-site? ○ Yes ◉ No

If yes, specify the use:

- Potable domestic supply ☐
- Non-potable domestic supply ☐
- Public/Municipal supply ☐
- Industrial supply ☐
- Agriculture ☐
- Other (explain in space provided below)

Surface Water Use

Is a surface water body present in 1,000 feet radius of the site? ◉ Yes ○ No

If yes, specify the following:

Type of water body ○ River ○ Wet weather creek ○ Drain ditch ◉ Regular creek ○ Other: Tributary to Ellerbe Creek

North Carolina classification of water body

Does the water discharges into lake or reservoir? ○ Yes ◉ No

Surface water use:

- Potable domestic supply ☐
- Non-potable domestic supply ☐
- Public/Municipal supply ☐
- Industrial supply ☐
- Agriculture ☐
- Other (explain in space provided below)

Ecological Receptors and Habitats

1. Are there any ecological receptors or habitats present within 500 feet radius from the site? ○ Yes ◉ No
2. Are there visible indications of stressed receptors or habitats on or near the site that may be a result of chemical release? ○ Yes ◉ No

Water Well(s) Information

1. Are there public/municipal water supply wells within 0.5 mile radius from the ○ Yes ◉ No
2. Are there private water supply wells within 1500 feet radius from the site? ○ Yes ◉ No

Additional Notes

Receptor survey was completed in accordance with the DSCA Program's Guidance for Conducting the Prioritization Assessment dated October 21, 2004. Receptor survey information provided in the Scott & Roberts Cleaners (#DC320011) Prioritization Assessment Report, dated March 1, 2011.

Site Stratigraphy and Hydrogeology **AR Form 5**

DSCA ID No.: DC320027

Stratigraphy of Site

Depth [feet]	Description of Soil
0.5 - 19	Sandy Silt (ML)
19 - 37	Silty Sand (SM)

Predominent Soil Type: Mixture of sands and silts

Depth [feet]	Type of Bedrock and Geological Formation
~37	Triassic Basin Physiographic Province, Sanford-Durham Sub-Basin - tan,
	to very coarse grained, micaceous, arkosic sandstone of the Chatham Group

Hydrogeology of the Saturated Impacted Zone

Type of Aquifer? ○ Confined ◉ Unconfined ○ Perched

Underlying predominent aquifer name:	N/A
Aquifer classification (if applicable):	Surficial
Range of groundwater level fluctuations [feet bgs]:	1.68' - 56.00' bgs
Average depth to water table/static water level:	11.77' bgs
Flow direction:	South-Southwest
Hydraulic gradient (i) [--]:	0.027
Hydraulic conductivity (K) [cm/year]:	516.55
Darcy velocity (K x i) [cm/year-calculated]:	13.95
Groundwater velocity (K x i/Porosity) [cm/year]:	69.75
Annual precipitation (average for last 30 years) [inches/year]:	41.43

Additional Notes

Range of groundwater level fluctuations, average depth to water, hydraulic gradient, and hydraulic conductivity is taken from measurements collected from the adjacent Scott & Roberts Cleaners site (#DC320011) in Durham as part of groundwater assessment activities. Average annual precipitation obtained from National Climatic Data Center value for Raleigh, NC (http://www.ncdc.noaa.gov/cdo-web/search). Bedrock information obtained from Geologic Map of North Carolina, 1985.

Vadose Zone Characteristics

	Values/Range			Method
Dry bulk density [g/cm^3]	1.6	☑ Estimated	☐ Measured	
Total porosity [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Effective porosity [cm^3/cm^3]:	0.2	☑ Estimated	☐ Measured	
Water content [cm^3/cm^3]:	0.1	☑ Estimated	☐ Measured	
Fractional organic carbon content [g-C/g-soil]:	< 0.10	☑ Estimated	☐ Measured	

Saturated Zone Characteristics

	Values/Range			Method
Dry bulk density [g/cm^3]	1.6	☑ Estimated	☐ Measured	
Total porosity [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Effective porosity [cm^3/cm^3]	0.2	☑ Estimated	☐ Measured	
Water content [cm^3/cm^3]:	0.4	☑ Estimated	☐ Measured	
Fractional organic carbon content [g-C/g-soil]:	< 0.10	☑ Estimated	☐ Measured	

Additional Notes

Vadose and saturated zone dry bulk density, total porosity, water content, and fractional organic carbon were estimated based on observations of similar soils at other locations (Peck et al, 1974; Domenico et al, 1990; and ASTM, 1995).

Non-Aqueous Phase Liquid (NAPL) Information	AR Form 6

DSCA ID No.: DC320027

Was NAPL discovered at the site: ○ Yes ◉ No

If Yes, type of NAPL discovered: LNAPL ☐ DNAPL ☐

Summary of LNAPL

Date LNAPL was discovered?	
Type of LNAPL discovered (if known):	
Number of monitoring wells/points currently at site:	

Number of monitoring wells/points containing LNAPL (Note if any, list the monitoring wells/points containing NAPL):

Has LNAPL removal started?	
If No, cite reason:	
If Yes, specify method of removal (bailer, pump, etc.):	
Removal points (MW #, Boring #, etc.):	
Total number of recovery events to date:	
Total amount of purge-water recovered:	
Total amount of LNAPL recovered:	
Date of latest LNAPL removal report submitted:	

Summary of DNAPL

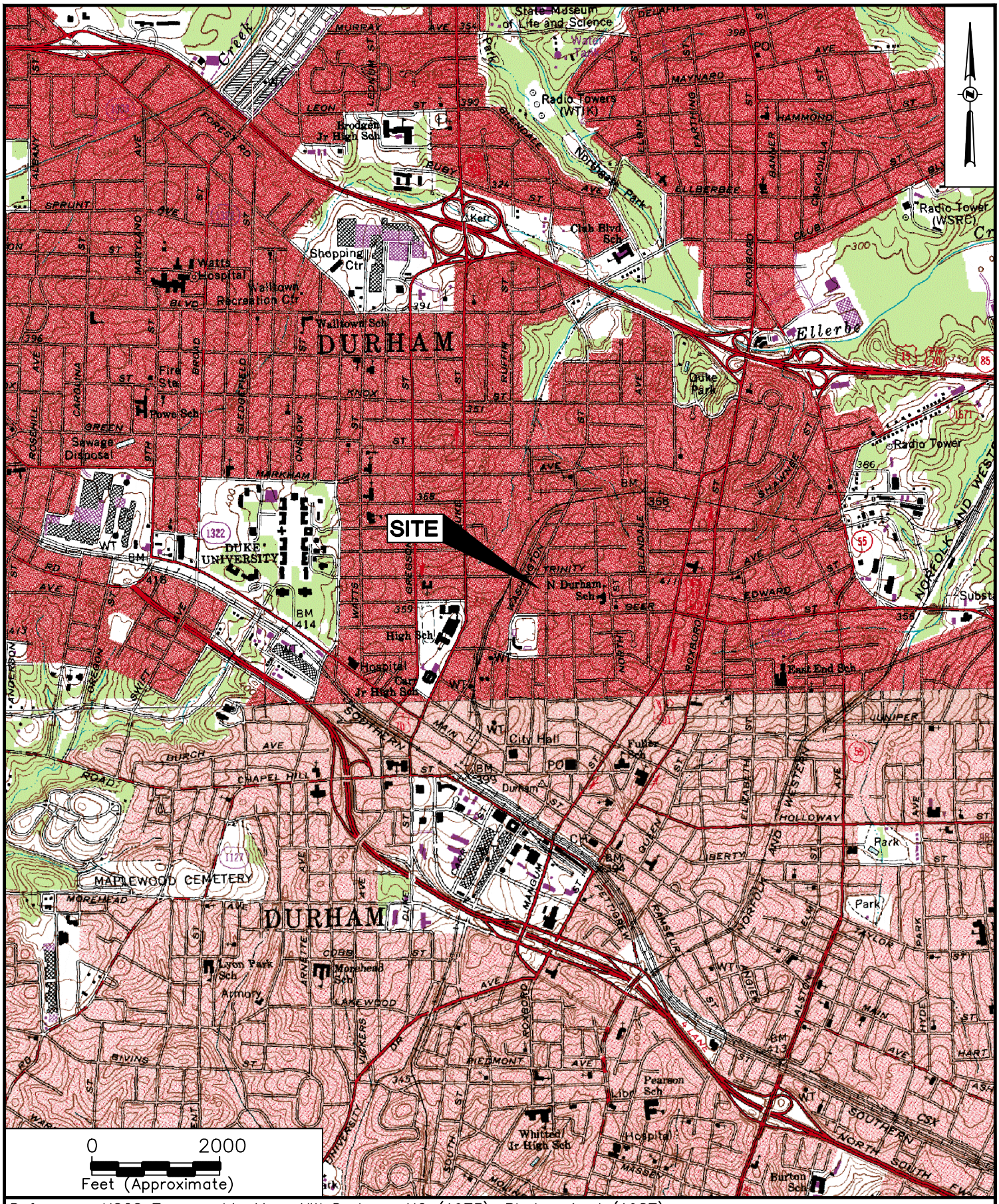
Date DNAPL was discovered?	
Type of DNAPL discovered (if known):	
Number of monitoring wells/points currently at site:	

Number of monitoring wells/points containing DNAPL (Note if any, list the monitoring wells/points containing

Has DNAPL removal started?	
If No, cite reason:	
If Yes, specify method of removal (bailer, pump, etc.):	
Removal points (MW #, Boring #, etc.):	
Total number of recovery events to date:	
Total amount of purge-water recovered:	
Total amount of DNAPL recovered:	
Date of latest DNAPL removal report submitted:	

Additonal Notes

ATTACHMENT 1
SITE LOCATION MAP



Reference: USGS Topographic Map: NW Durham, NC (1973), Photorevised (1987)

URS CORPORATION – NORTH CAROLINA
SOUTHPARK TOWERS
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

Site Location Map
Model Laundry
808 Washington Street
Durham, NC
DSCA Site # 32-0027

DRAWN BY:	CHECKED BY:	PROJECT NO:
TSH–02/02/16	CS–02/02/16	60476695

SHEET Att. 1

ATTACHMENT 5
UTILITY MAP

Utility Map
Model Laundry and Cleaners
808 Washington Street
Durham, NC
DSCA Site # DC320027

URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW DRIVE, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

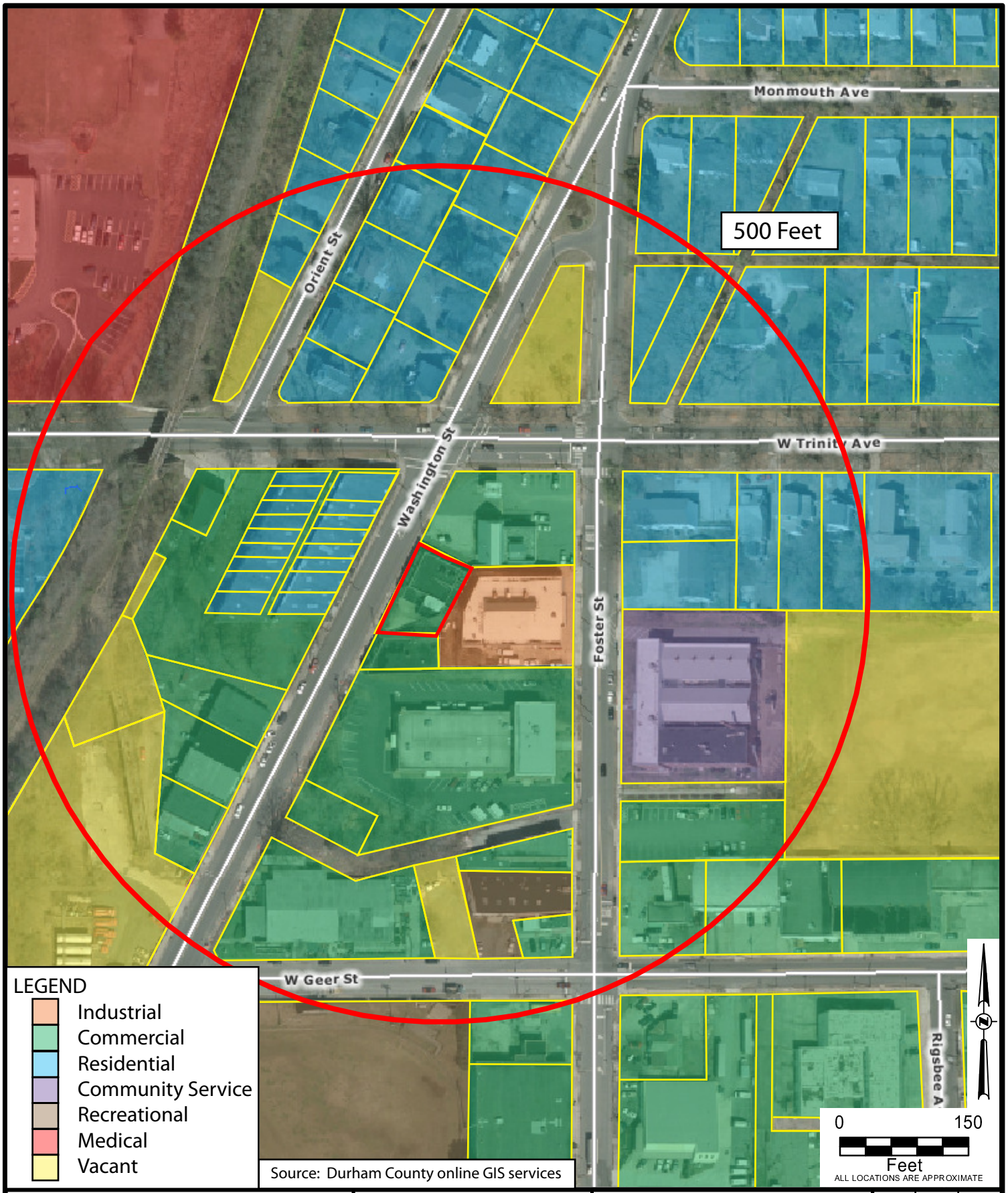
URS

NC Environmental Quality

DRAWN BY: CES - 2/9/16
CHECKED BY: SD - 2/9/16
PROJECT NO.: 60476695

SHEET: Att. 5

ATTACHMENT 7
VICINITY MAPS



URS
URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

NC Environmental Quality

Vicinity Map: 500 Feet
Model Laundry
808 Washington Street
Durham, NC
DSCA Site # DC320011

DRAWN BY:	CHECKED BY:	PROJECT NO:
CES - 2/5/16	SDW - 2/5/16	60476695

SHEET: Att 7

ATTACHMENT 10
BORING LOGS

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-1
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0	Hand Auger	SB-1 0-1'			Concrete	CL	14.1			
						Silty Clay: reddish-brown, firm, with gravel					
	-1					Boring terminated at 1 ft bgs					

SB-1 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-2
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete					
		Hand Auger	SB-2 0-1'			Sand: light brown, medium-grained	SP	0.1			
	-1		SB-2 1-1.2'			Silty Sand: reddish-brown, cemented layer	SM	0.1			
						Boring terminated at 14 in bgs					

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Environmental Quality

SB-2 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-3
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
	0.0 0	Hand Auger	SB-3 0-1'			Concrete	SM	24.5			
						Sandy Silt: reddish-brown, some clay, hard, nails, cemented sand					
	-1					Boring terminated at 1 ft bgs					

SB-3 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-4
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger	SB-4 0-1'			Concrete: slab, iron pipe and vapor barrier				
					Clayey Sand: brick, cemented sand, firm, with gravel	SC	56.7		
-1	Hammer Drill	SB-4 1-2'			Sand: hard, cemented sand, some silt (hammer drill)		24.6		
-2					Boring terminated at 2 ft bgs				

URS

Environmental Quality

SB-4 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-5
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0					Concrete: slab and vapor barrier				
-1	Hand Auger	SB-5 1-2'	100		Clay: reddish-orange, firm	CL	85.2		
-2		SB-5 2-3'					20.5		
-3					Boring terminated at 3 ft bgs				

SB-5 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-6
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger		100		Concrete: slab, iron pipe and vapor barrier	SC			
-1		SB-6 1-2'			Clayey Sand: light brown, with gravel, petroleum odor		153		
-2		SB-6 2-3'			Clayey Sand: light brown, with gravel, compacted, petroleum odor		170		
-3					Boring terminated at 2.75 ft bgs				

URS

Environmental Quality

SB-6 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-7
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete					
	-1	Hand Auger	SB-7 1-2'			Silty Clay: dark brown, with gravel, solid cemented sand at 2 ft bgs, strong petroleum odor	CL	1263			
	-2					Boring terminated at 2 ft bgs					

URS

Environmental Quality

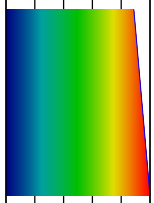
SB-7 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-8
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger	SB-8 0-1'			Concrete	CL			
					Silty Clay: brown, soft		444		
-1		SB-8 1-1.2'			Silty Sand: brown, cemented sand at 14 in bgs	SM	1044		
					Boring terminated at 14 in bgs				



URS

Environmental Quality

SB-8 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-9
PROJECT NAME: Model Laundry
DATE BEGAN: 12/1/2015
DATE FINISHED: 12/1/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0	Hand Auger				Concrete					
			SB-9 0-1'			Sandy Silt: light brown, brick fragments, cemented sand layer at 1 ft bgs	ML				
	-1					Boring terminated at 1 ft bgs					

URS

Environmental Quality

SB-9 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-10
PROJECT NAME: Model Laundry
DATE BEGAN: 12/2/2015
DATE FINISHED: 12/2/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete					
		Hand Auger	SB-10 0-1'			Sand: light brown, fine- to medium-grained, with sand concretions, hard cemented sand layer at 1 ft bgs	SW	0.3			
	-1		SB-10 1-1.3'					0.1			
						Boring terminated at 16 in bgs					

SB-10 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-11
PROJECT NAME: Model Laundry
DATE BEGAN: 12/2/2015
DATE FINISHED: 12/2/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger				Concrete: slab, vapor barrier, rebar and gravel				
		SB-11 0-1'			Clayey Silt: brown, with pieces of clay	MH	0.4		
-1					Clayey Silt: brown, saprolitic material at 2.8 ft bgs, hard		0.2		
-2		SB-11 2-3'					0.3		
-3					Boring terminated at 2.8 ft bgs				

URS

Environmental Quality

SB-11 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-12
PROJECT NAME: Model Laundry
DATE BEGAN: 12/2/2015
DATE FINISHED: 12/2/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger				Concrete: slab, vapor barrier, and gravel				
		SB-12 0-1'			Clayey Silt: brown, with pieces of clay	MH	0.0		
-1					Clayey Silt: brown		0.1		
-2		SB-12 2-3'			Clayey Silt: reddish-brown, hard cemented layer at 3 ft bgs		0.2		
-3					Boring terminated at 3 ft bgs				

URS

Environmental Quality

SB-12 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-13
PROJECT NAME: Model Laundry
DATE BEGAN: 12/2/2015
DATE FINISHED: 12/2/2015
FIELD ENGINEER: Carlin Slusher
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger				Concrete: slab, vapor barrier, and gravel				
		SB-13 0-1'			Clayey Silt: brown, with gravel	MH	0.0		
-1					Silty Clay: reddish-brown, mottled, firm	CL	0.1		
-2		SB-13 2-3'			Clayey Silt: reddish-brown, some mottling,	MH	0.2		
-3					Clayey Silt: brown, firm clay at 4 ft bgs		0.2		
-4					Boring terminated at 4 ft bgs				

URS

Environmental Quality

SB-13 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-14
PROJECT NAME: Model Laundry
DATE BEGAN: 1/20/2016
DATE FINISHED: 1/20/2016
FIELD ENGINEER: Jared Wilke
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger				Concrete: slab				
		SB-14 0-1'			Clay: light brown	CL			
-1					Silty Sand: light brown, coarse-grained, firm to hard	SM			
-2		SB-14 2-3'							
-3					Boring terminated at 3 ft bgs				

SB-14 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-15
PROJECT NAME: Model Laundry
DATE BEGAN: 1/20/2016
DATE FINISHED: 1/20/2016
FIELD ENGINEER: Jared Wilke
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0	Hand Auger				Concrete: slab				
		SB-15 0-1'			Silt: light brown, odor	ML			
-1					Silty Sand: light brown, firm	SM			
-2		SB-15 2-3'							
-3					Boring terminated at 3 ft bgs				

SB-15 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-16
PROJECT NAME: Model Laundry
DATE BEGAN: 3/4/2016
DATE FINISHED: 3/4/2016
FIELD ENGINEER: Adam Cox
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete: slab					
		Hand Auger	SB-16 0-1'			Silt: light brown (LITHOLOGY ESTIMATED BASED ON OBSERVATIONS OF SOIL CUTTINGS FROM SB-15)	ML	0.0			
	-1										

SB-16 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-17
PROJECT NAME: Model Laundry
DATE BEGAN: 3/4/2016
DATE FINISHED: 3/4/2016
FIELD ENGINEER: Adam Cox
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD:
DRILL EQUIP:
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete: slab					
			SB-17 0-1'			Silt: light brown (LITHOLOGY ESTIMATED BASED ON OBSERVATIONS OF SOIL CUTTINGS FROM SB-15)	ML	0.0			
	-1										

URS

Environmental Quality

SB-17 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-18
PROJECT NAME: Model Laundry
DATE BEGAN: 3/4/2016
DATE FINISHED: 3/4/2016
FIELD ENGINEER: Adam Cox
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete: slab					
		Hand Auger	SB-18 0-1'			Silt: light brown (LITHOLOGY ESTIMATED BASED ON OBSERVATIONS OF SOIL CUTTINGS FROM SB-15)	ML	0.0			
	-1										

SB-18 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-19
PROJECT NAME: Model Laundry
DATE BEGAN: 3/4/2016
DATE FINISHED: 3/4/2016
FIELD ENGINEER: Adam Cox
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)	PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0 0					Concrete: slab				
	Hand Auger	SB-19 0-1'			Silt: light brown (LITHOLOGY ESTIMATED BASED ON OBSERVATIONS OF SOIL CUTTINGS FROM SB-15)	ML	14.9		
-1									

SB-19 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

URS SOIL BORING LOG

PROJECT NO: 60476695
BORING NO: SB-20
PROJECT NAME: Model Laundry
DATE BEGAN: 3/4/2016
DATE FINISHED: 3/4/2016
FIELD ENGINEER: Adam Cox
DRILLER: URS
NORTH:
EAST:
GROUND SURFACE ELEVATION:
GWL DATE/TIME: N/A
GWL DEPTH: N/A
DRILLING METHOD: Hand Auger
DRILL EQUIP: Hand Auger
CHECKED BY: CES
CONTRACTOR: URS

	DEPTH (FT.)	DRILLING METHOD	SAMPLE TYPE / SAMPLE NUMBER	REC (%)	PROFILE	DESCRIPTION	USCS	PID (ppm)		PID Graph *0 to 500 ppm*	Laboratory Analytical Results
0.0	0					Concrete: slab					
		Hand Auger	SB-20 0-1'			Silt: light brown (LITHOLOGY ESTIMATED BASED ON OBSERVATIONS OF SOIL CUTTINGS FROM SB-15)	ML	0.0			
	-1										

URS

Environmental Quality

SB-20 Soil Boring Log
Model Laundry
808 Washington Street
Durham, NC
DSCA ID #DC320027

DRAWN BY: SDH
CHECKED BY: CES
PROJECT NO: 60476695
SHEET: Att. 10

ATTACHMENT 11
SOIL BORING LOCATION MAP

Soil Boring Location Map
Model Laundry and Cleaners
808 Washington Street
Durham, NC
DSCA Site # DC320027

URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW DRIVE, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

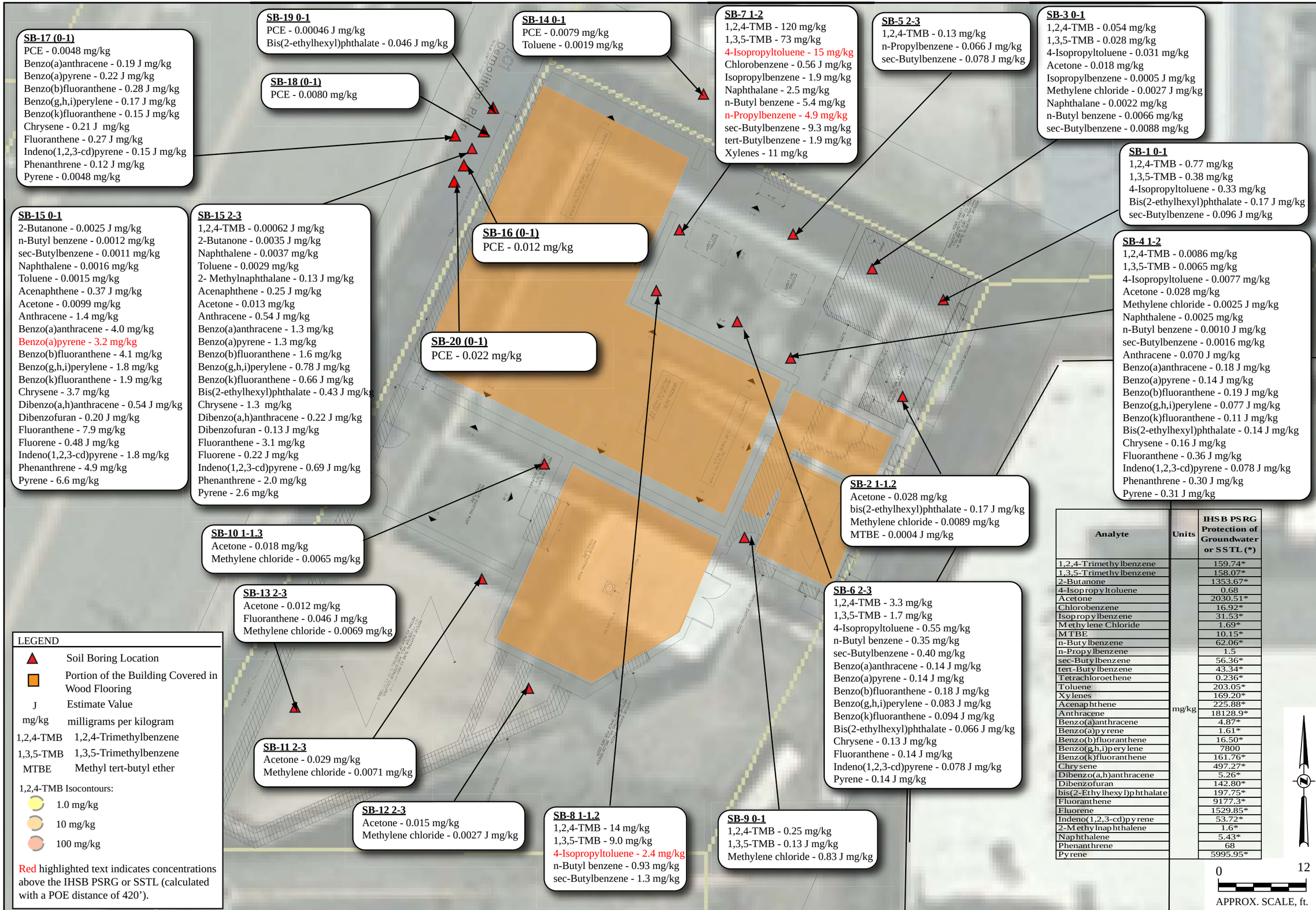
URS

NC Environmental Quality

DRAWN BY: CES - 2/9/16
CHECKED BY: SD - 2/9/16
PROJECT NO.: 60476695

SHEET: Att. 11

ATTACHMENT 12
SOIL QUALITY MAP



Analyte	Units	IHSB PSRG Protection of Groundwater or SSTL (*)
1,2,4-Trimethylbenzene	mg/kg	159.74*
1,3,5-Trimethylbenzene		158.07*
2-Butanone		1353.67*
4-Isopropyltoluene		0.68
Acetone		2030.51*
Chlorobenzene		16.92*
Isopropylbenzene		31.53*
Methylene Chloride		1.69*
MTBE		10.15*
n-Butylbenzene		62.06*
n-Propylbenzene		1.5
sec-Butylbenzene		56.36*
tert-Butylbenzene		43.34*
Tetrachloroethene		0.236*
Toluene		203.05*
Xylenes		169.20*
Acenaphthene		225.88*
Anthracene		18128.9*
Benzo(a)anthracene		4.87*
Benzo(a)pyrene		1.61*
Benzo(b)fluoranthene		16.50*
Benzo(g,h,i)perylene		7800
Benzo(k)fluoranthene		161.76*
Chrysene		497.27*
Dibenzo(a,h)anthracene		5.26*
Dibenzofuran		142.80*
bis(2-Ethylhexyl)phthalate		197.75*
Fluoranthene		9177.3*
Fluorene		1529.85*
Indeno(1,2,3-cd)pyrene		53.72*
2-Methylnaphthalene		1.6*
Naphthalene		5.43*
Phenanthrene		68
Pyrene		5995.95*

Soil Sampling Results
Model Laundry and Cleaners
808 Washington Street
Durham, NC
DSCA Site # DC320027

URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW DRIVE, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 2/9/16
CHECKED BY: SD - 2/9/16
PROJECT NO.: 60476695

SHEET: Att. 12

ATTACHMENT 21
LABORATORY REPORTS

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Wednesday, December 9, 2015
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0027 Model Laundry, Project Name/Desc: DSCA
ENCO Workorder(s): C514952

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 2, 2015.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 09 December 2015
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: C514952

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

Precision between duplicate 8260B LCS samples exceeded acceptance criteria. The LCS recoveries of 1,2,3-Trichlorobenzene and Naphthalene were outside of control limits; however, these analytes were not detected in the associated samples, reducing the impact of the deviations.

Precision between duplicate spikes of 2,4-Dinitrophenol, 2-Methyl-4,6-dinitrophenol, 4-Nitrophenol, and Benzoic Acid exceeded acceptance criteria for the 8270D MS and MSD samples. The QC batch was approved based on acceptable LCS recovery of these analytes.

Quality Control Remarks

The 8260B surrogate spike recovery of 4-Bromofluorobenzene was outside of control limits for samples SB-6 2-3, SB-4 1-2, SB-3 0-1, SB-7 1-2, and SB-8 1-1.2. The samples were approved based on acceptable recovery of the other surrogate standards.

The 8270D surrogate spike recoveries of Nitrobenzene-d5 and Phenol-d5 were outside of control limits for sample SB-7 1-2 and 2-Fluorophenol exceeded acceptance criteria for sample SB-1 0-1. The samples were approved based on acceptable recovery of the other surrogate standards.

Other Comments

The analyses of samples SB-5 2-3, SB-6 2-3, SB-8 1-1.2, and SB-9 0-1 for 8260B and SB-7 1-2 and SB-8 1-1.2 for 8270D were processed at dilutions due to matrix interference, resulting in elevated reporting limits.

Acetone and Methylene Chloride are common laboratory contaminants. The reported results may exhibit a high bias.

The reported samples were checked for Carbofuran via library search; however, none was detected.

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-5 2-3 **Lab ID: C514952-02** **Sampled: 12/01/15 12:58** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 16:51
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 14:08

Client ID: SB-5 2-3 **Lab ID: C514952-02RE1** **Sampled: 12/01/15 12:58** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 11:14

Client ID: SB-6 2-3 **Lab ID: C514952-04** **Sampled: 12/01/15 14:50** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 17:22
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 17:20

Client ID: SB-6 2-3 **Lab ID: C514952-04RE1** **Sampled: 12/01/15 14:50** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 11:43

Client ID: SB-4 1-2 **Lab ID: C514952-06** **Sampled: 12/01/15 15:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/07/15	00:00	12/07/15 14:37
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 16:26

Client ID: SB-4 1-2 **Lab ID: C514952-06RE1** **Sampled: 12/01/15 15:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 12:40

Client ID: SB-3 0-1 **Lab ID: C514952-07** **Sampled: 12/01/15 16:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 13:12
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 13:13

Client ID: SB-3 0-1 **Lab ID: C514952-07RE1** **Sampled: 12/01/15 16:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 19:28

Client ID: SB-1 0-1 **Lab ID: C514952-08** **Sampled: 12/01/15 16:35** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/07/15	00:00	12/07/15 15:40
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 15:31

Client ID: SB-1 0-1 **Lab ID: C514952-08RE1** **Sampled: 12/01/15 16:35** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 12:13

Client ID: SB-2 1-1.2 **Lab ID: C514952-10** **Sampled: 12/01/15 16:50** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/07/15	00:00	12/07/15 16:11
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 13:40

Client ID: SB-7 1-2 **Lab ID: C514952-11** **Sampled: 12/01/15 17:00** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/07/15	00:00	12/07/15 16:43
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 18:42

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-7 1-2 **Lab ID: C514952-11RE2** **Sampled: 12/01/15 17:00** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 12:42

Client ID: SB-7 1-2 **Lab ID: C514952-11RE3** **Sampled: 12/01/15 17:00** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 13:12

Client ID: SB-8 1-1.2 **Lab ID: C514952-13** **Sampled: 12/01/15 17:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 19:09

Client ID: SB-8 1-1.2 **Lab ID: C514952-13RE1** **Sampled: 12/01/15 17:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 18:25

Client ID: SB-8 1-1.2 **Lab ID: C514952-13RE2** **Sampled: 12/01/15 17:25** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 13:41

Client ID: SB-9 0-1 **Lab ID: C514952-14** **Sampled: 12/01/15 17:35** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/29/16		12/02/15	14:56	12/02/15 14:56
EPA 8260B	12/15/15		12/08/15	00:00	12/08/15 18:56
EPA 8270D	12/15/15	01/11/16	12/02/15	12:40	12/08/15 15:58

Client ID: SB-9 0-1 **Lab ID: C514952-14RE1** **Sampled: 12/01/15 17:35** **Received: 12/02/15 08:20**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/15/15		12/09/15	00:00	12/09/15 14:11

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SAMPLE DETECTION SUMMARY

Client ID: SB-5 2-3 **Lab ID: C514952-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	83		0.1	0.1	% by Weight	% Solids	
1,2,4-Trimethylbenzene	0.13	D	0.058	0.085	mg/kg dry	EPA 8260B	R-01
n-Propyl Benzene	0.066	JD	0.054	0.085	mg/kg dry	EPA 8260B	R-01
sec-Butylbenzene	0.078	JD	0.056	0.085	mg/kg dry	EPA 8260B	R-01

Client ID: SB-6 2-3 **Lab ID: C514952-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	87		0.1	0.1	% by Weight	% Solids	
Benzo(a)anthracene	0.14	J	0.032	0.38	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	0.14	J	0.038	0.38	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	0.18	J	0.021	0.38	mg/kg dry	EPA 8270D	
Benzo(g,h,i)perylene	0.083	J	0.054	0.38	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	0.094	J	0.038	0.38	mg/kg dry	EPA 8270D	
Bis(2-ethylhexyl)phthalate	0.066	J	0.040	0.38	mg/kg dry	EPA 8270D	
Chrysene	0.13	J	0.034	0.38	mg/kg dry	EPA 8270D	
Fluoranthene	0.14	J	0.041	0.38	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	0.078	J	0.054	0.38	mg/kg dry	EPA 8270D	
Pyrene	0.14	J	0.043	0.38	mg/kg dry	EPA 8270D	

Client ID: SB-6 2-3 **Lab ID: C514952-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	3.3	D	0.16	0.23	mg/kg dry	EPA 8260B	QR-02
1,3,5-Trimethylbenzene	1.7	D	0.13	0.23	mg/kg dry	EPA 8260B	QR-02
4-Isopropyltoluene	0.55	D	0.17	0.23	mg/kg dry	EPA 8260B	QR-02
n-Butyl Benzene	0.35	D	0.21	0.23	mg/kg dry	EPA 8260B	QR-02
sec-Butylbenzene	0.40	D	0.15	0.23	mg/kg dry	EPA 8260B	QR-02

Client ID: SB-4 1-2 **Lab ID: C514952-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	90		0.1	0.1	% by Weight	% Solids	
Anthracene	0.070	J	0.042	0.37	mg/kg dry	EPA 8270D	
Benzo(a)anthracene	0.18	J	0.031	0.37	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	0.14	J	0.037	0.37	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	0.19	J	0.020	0.37	mg/kg dry	EPA 8270D	
Benzo(g,h,i)perylene	0.077	J	0.052	0.37	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	0.11	J	0.037	0.37	mg/kg dry	EPA 8270D	
Bis(2-ethylhexyl)phthalate	0.14	J	0.039	0.37	mg/kg dry	EPA 8270D	
Chrysene	0.16	J	0.033	0.37	mg/kg dry	EPA 8270D	
Fluoranthene	0.36	J	0.040	0.37	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	0.078	J	0.052	0.37	mg/kg dry	EPA 8270D	
Phenanthrene	0.30	J	0.030	0.37	mg/kg dry	EPA 8270D	
Pyrene	0.31	J	0.042	0.37	mg/kg dry	EPA 8270D	

Client ID: SB-4 1-2 **Lab ID: C514952-06RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	0.0086		0.0008	0.0011	mg/kg dry	EPA 8260B	
1,3,5-Trimethylbenzene	0.0065		0.0007	0.0011	mg/kg dry	EPA 8260B	
4-Isopropyltoluene	0.0077		0.0008	0.0011	mg/kg dry	EPA 8260B	
Acetone	0.028		0.0042	0.0056	mg/kg dry	EPA 8260B	O-01
Methylene Chloride	0.0025	J	0.0022	0.0056	mg/kg dry	EPA 8260B	J-01, O-01
Naphthalene	0.0025		0.0006	0.0011	mg/kg dry	EPA 8260B	J-02
n-Butyl Benzene	0.0010	J	0.0010	0.0011	mg/kg dry	EPA 8260B	
sec-Butylbenzene	0.0016		0.0007	0.0011	mg/kg dry	EPA 8260B	

Client ID: SB-3 0-1 **Lab ID: C514952-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	83		0.1	0.1	% by Weight	% Solids	

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SAMPLE DETECTION SUMMARY

Client ID: SB-3 0-1 **Lab ID: C514952-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	0.054		0.0006	0.0009	mg/kg dry	EPA 8260B	
1,3,5-Trimethylbenzene	0.028		0.0005	0.0009	mg/kg dry	EPA 8260B	
4-Isopropyltoluene	0.031		0.0007	0.0009	mg/kg dry	EPA 8260B	
Acetone	0.018		0.0033	0.0043	mg/kg dry	EPA 8260B	O-01
Isopropylbenzene	0.0005	J	0.0005	0.0009	mg/kg dry	EPA 8260B	
Methylene Chloride	0.0027	J	0.0017	0.0043	mg/kg dry	EPA 8260B	J-01, O-01
Naphthalene	0.0022		0.0005	0.0009	mg/kg dry	EPA 8260B	J-02
n-Butyl Benzene	0.0066		0.0008	0.0009	mg/kg dry	EPA 8260B	
sec-Butylbenzene	0.0088		0.0006	0.0009	mg/kg dry	EPA 8260B	

Client ID: SB-1 0-1 **Lab ID: C514952-08**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	84		0.1	0.1	% by Weight	% Solids	
1,2,4-Trimethylbenzene	0.77	D	0.066	0.097	mg/kg dry	EPA 8260B	
1,3,5-Trimethylbenzene	0.38	D	0.057	0.097	mg/kg dry	EPA 8260B	
4-Isopropyltoluene	0.33	D	0.074	0.097	mg/kg dry	EPA 8260B	
Bis(2-ethylhexyl)phthalate	0.17	J	0.042	0.39	mg/kg dry	EPA 8270D	
sec-Butylbenzene	0.096	JD	0.063	0.097	mg/kg dry	EPA 8260B	

Client ID: SB-2 1-1.2 **Lab ID: C514952-10**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	89		0.1	0.1	% by Weight	% Solids	
Acetone	0.028		0.0043	0.0056	mg/kg dry	EPA 8260B	O-01
Bis(2-ethylhexyl)phthalate	0.17	J	0.039	0.37	mg/kg dry	EPA 8270D	
Methylene Chloride	0.0089		0.0022	0.0056	mg/kg dry	EPA 8260B	O-01
Methyl-tert-Butyl Ether	0.0004	J	0.0003	0.0011	mg/kg dry	EPA 8260B	

Client ID: SB-7 1-2 **Lab ID: C514952-11**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	85		0.1	0.1	% by Weight	% Solids	
1,3,5-Trimethylbenzene	73	D	0.57	0.97	mg/kg dry	EPA 8260B	
4-Isopropyltoluene	15	D	0.74	0.97	mg/kg dry	EPA 8260B	
Chlorobenzene	0.56	JD	0.46	0.97	mg/kg dry	EPA 8260B	
Isopropylbenzene	1.9	D	0.52	0.97	mg/kg dry	EPA 8260B	
Naphthalene	2.5	D	0.55	0.97	mg/kg dry	EPA 8260B	J-02
n-Butyl Benzene	5.4	D	0.87	0.97	mg/kg dry	EPA 8260B	
n-Propyl Benzene	4.9	D	0.61	0.97	mg/kg dry	EPA 8260B	
sec-Butylbenzene	9.3	D	0.63	0.97	mg/kg dry	EPA 8260B	
tert-Butylbenzene	1.9	D	0.58	0.97	mg/kg dry	EPA 8260B	
Xylenes (Total)	11	D	0.96	1.9	mg/kg dry	EPA 8260B	

Client ID: SB-7 1-2 **Lab ID: C514952-11RE3**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	120	D	3.3	4.8	mg/kg dry	EPA 8260B	QR-02

Client ID: SB-8 1-1.2 **Lab ID: C514952-13**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	86		0.1	0.1	% by Weight	% Solids	

Client ID: SB-8 1-1.2 **Lab ID: C514952-13RE2**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	14	D	0.35	0.52	mg/kg dry	EPA 8260B	QR-02
1,3,5-Trimethylbenzene	9.0	D	0.31	0.52	mg/kg dry	EPA 8260B	QR-02
4-Isopropyltoluene	2.4	D	0.40	0.52	mg/kg dry	EPA 8260B	QR-02
n-Butyl Benzene	0.93	D	0.47	0.52	mg/kg dry	EPA 8260B	QR-02
sec-Butylbenzene	1.3	D	0.34	0.52	mg/kg dry	EPA 8260B	QR-02

Client ID: SB-9 0-1 **Lab ID: C514952-14**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	79		0.1	0.1	% by Weight	% Solids	
1,2,4-Trimethylbenzene	0.25	D	0.15	0.22	mg/kg dry	EPA 8260B	R-01
1,3,5-Trimethylbenzene	0.13	JD	0.13	0.22	mg/kg dry	EPA 8260B	R-01

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SAMPLE DETECTION SUMMARY

Client ID: SB-9 0-1 **Lab ID:** C514952-14RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Methylene Chloride	0.83	JD	0.44	1.1	mg/kg dry	EPA 8260B	

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ANALYTICAL RESULTS

Description:	SB-5 2-3	**Lab Sample ID:**	C514952-02	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 12:58	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	82.76

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.033	U	mg/kg dry	1	0.033	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2,4-Dichlorophenol [120-83-2]^	0.029	U	mg/kg dry	1	0.029	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2,4-Dimethylphenol [105-67-9]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2,4-Dinitrophenol [51-28-5]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Chloronaphthalene [91-58-7]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Chlorophenol [95-57-8]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Methylnaphthalene [91-57-6]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Methylphenol [95-48-7]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
2-Nitrophenol [88-75-5]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.033	U	mg/kg dry	1	0.033	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
4-Nitrophenol [100-02-7]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Acenaphthene [83-32-9]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Acenaphthylene [208-96-8]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Anthracene [120-12-7]^	0.046	U	mg/kg dry	1	0.046	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzo(a)anthracene [56-55-3]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzo(a)pyrene [50-32-8]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.022	U	mg/kg dry	1	0.022	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.057	U	mg/kg dry	1	0.057	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzoic acid [65-85-0]^	0.18	U	mg/kg dry	1	0.18	2.1	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Benzyl alcohol [100-51-6]^	0.028	U	mg/kg dry	1	0.028	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.029	U	mg/kg dry	1	0.029	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.042	U	mg/kg dry	1	0.042	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Butylbenzylphthalate [85-68-7]^	0.048	U	mg/kg dry	1	0.048	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Chrysene [218-01-9]^	0.036	U	mg/kg dry	1	0.036	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.062	U	mg/kg dry	1	0.062	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Dibenzofuran [132-64-9]^	0.033	U	mg/kg dry	1	0.033	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Diethylphthalate [84-66-2]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Dimethylphthalate [131-11-3]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Di-n-butylphthalate [84-74-2]^	0.050	U	mg/kg dry	1	0.050	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Di-n-octylphthalate [117-84-0]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
DPH (as Azobenzene) [103-33-3]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Fluoranthene [206-44-0]^	0.044	U	mg/kg dry	1	0.044	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Fluorene [86-73-7]^	0.035	U	mg/kg dry	1	0.035	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Hexachlorobenzene [118-74-1]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Hexachlorobutadiene [87-68-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.047	U	mg/kg dry	1	0.047	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	

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ANALYTICAL RESULTS

Description:	SB-5 2-3	**Lab Sample ID:**	C514952-02	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 12:58	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	82.76

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.025	U	mg/kg dry	1	0.025	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.057	U	mg/kg dry	1	0.057	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Isophorone [78-59-1]^	0.036	U	mg/kg dry	1	0.036	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Nitrobenzene [98-95-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.025	U	mg/kg dry	1	0.025	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.098	U	mg/kg dry	1	0.098	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.065	U	mg/kg dry	1	0.065	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Pentachlorophenol [87-86-5]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Phenanthrene [85-01-8]^	0.033	U	mg/kg dry	1	0.033	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Phenol [108-95-2]^	0.027	U	mg/kg dry	1	0.027	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	
Pyrene [129-00-0]^	0.046	U	mg/kg dry	1	0.046	0.40	5L02028	EPA 8270D	12/08/15 14:08	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.5*	*1*	*4.03*	*88 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	
2-Fluorobiphenyl	*1.8*	*1*	*2.01*	*88 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	
2-Fluorophenol	*3.0*	*1*	*4.03*	*75 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.01*	*81 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	
Phenol-d5	*3.3*	*1*	*4.03*	*81 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*2.01*	*91 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 14:08*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 14:08	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**83**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.030	UD	mg/kg dry	70.7	0.030	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,1,2,2-Tetrachloroethane [79-34-5]^	0.039	UD	mg/kg dry	70.7	0.039	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,1,2-Trichloroethane [79-00-5]^	0.051	UD	mg/kg dry	70.7	0.051	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,1-Dichloroethane [75-34-3]^	0.049	UD	mg/kg dry	70.7	0.049	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,1-Dichloroethene [75-35-4]^	0.053	UD	mg/kg dry	70.7	0.053	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,1-Dichloropropene [563-58-6]^	0.046	UD	mg/kg dry	70.7	0.046	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2,3-Trichlorobenzene [87-61-6]^	0.078	UD	mg/kg dry	70.7	0.078	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	QL-02, R-01
1,2,3-Trichloropropane [96-18-4]^	0.32	UD	mg/kg dry	70.7	0.32	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2,4-Trichlorobenzene [120-82-1]^	0.073	UD	mg/kg dry	70.7	0.073	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2,4-Trimethylbenzene [95-63-6]^	**0.13**	D	mg/kg dry	70.7	0.058	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2-Dibromoethane [106-93-4]^	0.057	UD	mg/kg dry	70.7	0.057	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2-Dichlorobenzene [95-50-1]^	0.038	UD	mg/kg dry	70.7	0.038	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2-Dichloroethane [107-06-2]^	0.045	UD	mg/kg dry	70.7	0.045	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,2-Dichloropropane [78-87-5]^	0.047	UD	mg/kg dry	70.7	0.047	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-5 2-3	**Lab Sample ID:**	C514952-02	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 12:58	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	82.76

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3,5-Trimethylbenzene [108-67-8]^	0.050	UD	mg/kg dry	70.7	0.050	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,3-Dichlorobenzene [541-73-1]^	0.040	UD	mg/kg dry	70.7	0.040	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,3-Dichloropropane [142-28-9]^	0.043	UD	mg/kg dry	70.7	0.043	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
1,4-Dichlorobenzene [106-46-7]^	0.038	UD	mg/kg dry	70.7	0.038	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
2,2-Dichloropropane [594-20-7]^	0.034	UD	mg/kg dry	70.7	0.034	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
2-Butanone [78-93-3]^	0.17	UD	mg/kg dry	70.7	0.17	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
2-Chlorotoluene [95-49-8]^	0.041	UD	mg/kg dry	70.7	0.041	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
2-Hexanone [591-78-6]^	0.29	UD	mg/kg dry	70.7	0.29	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
4-Chlorotoluene [106-43-4]^	0.052	UD	mg/kg dry	70.7	0.052	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
4-Isopropyltoluene [99-87-6]^	0.065	UD	mg/kg dry	70.7	0.065	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
4-Methyl-2-pentanone [108-10-1]^	0.31	UD	mg/kg dry	70.7	0.31	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Acetone [67-64-1]^	0.32	UD	mg/kg dry	70.7	0.32	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Benzene [71-43-2]^	0.034	UD	mg/kg dry	70.7	0.034	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Bromobenzene [108-86-1]^	0.034	UD	mg/kg dry	70.7	0.034	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Bromochloromethane [74-97-5]^	0.064	UD	mg/kg dry	70.7	0.064	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Bromodichloromethane [75-27-4]^	0.040	UD	mg/kg dry	70.7	0.040	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Bromoform [75-25-2]^	0.044	UD	mg/kg dry	70.7	0.044	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Bromomethane [74-83-9]^	0.077	UD	mg/kg dry	70.7	0.077	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Carbon Tetrachloride [56-23-5]^	0.051	UD	mg/kg dry	70.7	0.051	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Chlorobenzene [108-90-7]^	0.041	UD	mg/kg dry	70.7	0.041	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Chloroethane [75-00-3]^	0.046	UD	mg/kg dry	70.7	0.046	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Chloroform [67-66-3]^	0.037	UD	mg/kg dry	70.7	0.037	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Chloromethane [74-87-3]^	0.056	UD	mg/kg dry	70.7	0.056	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
cis-1,2-Dichloroethene [156-59-2]^	0.045	UD	mg/kg dry	70.7	0.045	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
cis-1,3-Dichloropropene [10061-01-5]^	0.036	UD	mg/kg dry	70.7	0.036	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Dibromochloromethane [124-48-1]^	0.044	UD	mg/kg dry	70.7	0.044	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Dichlorodifluoromethane [75-71-8]^	0.053	UD	mg/kg dry	70.7	0.053	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Ethylbenzene [100-41-4]^	0.048	UD	mg/kg dry	70.7	0.048	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Isopropyl Ether [108-20-3]	0.034	UD	mg/kg dry	70.7	0.034	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Isopropylbenzene [98-82-8]^	0.046	UD	mg/kg dry	70.7	0.046	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Methylene Chloride [75-09-2]^	0.17	UD	mg/kg dry	70.7	0.17	0.43	5L08025	EPA 8260B	12/09/15 11:14	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.023	UD	mg/kg dry	70.7	0.023	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Naphthalene [91-20-3]^	0.049	UD	mg/kg dry	70.7	0.049	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
n-Butyl Benzene [104-51-8]^	0.077	UD	mg/kg dry	70.7	0.077	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
n-Propyl Benzene [103-65-1]^	**0.066**	JD	mg/kg dry	70.7	0.054	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
sec-Butylbenzene [135-98-8]^	**0.078**	JD	mg/kg dry	70.7	0.056	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Styrene [100-42-5]^	0.038	UD	mg/kg dry	70.7	0.038	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
tert-Butylbenzene [98-06-6]^	0.051	UD	mg/kg dry	70.7	0.051	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Tetrachloroethene [127-18-4]^	0.042	UD	mg/kg dry	70.7	0.042	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Toluene [108-88-3]^	0.039	UD	mg/kg dry	70.7	0.039	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
trans-1,2-Dichloroethene [156-60-5]^	0.059	UD	mg/kg dry	70.7	0.059	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
trans-1,3-Dichloropropene [10061-02-6]^	0.037	UD	mg/kg dry	70.7	0.037	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Trichloroethene [79-01-6]^	0.043	UD	mg/kg dry	70.7	0.043	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Trichlorofluoromethane [75-69-4]^	0.046	UD	mg/kg dry	70.7	0.046	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Vinyl acetate [108-05-4]^	0.023	UD	mg/kg dry	70.7	0.023	0.43	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Vinyl chloride [75-01-4]^	0.038	UD	mg/kg dry	70.7	0.038	0.085	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01
Xylenes (Total) [1330-20-7]^	0.085	UD	mg/kg dry	70.7	0.085	0.17	5L08017	EPA 8260B	12/08/15 16:51	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-5 2-3	**Lab Sample ID:**	C514952-02	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 12:58	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	82.76

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.049	0.707	0.0427	115 %	71-126	5L08017	EPA 8260B	12/08/15 16:51	KKW	
4-Bromofluorobenzene	0.049	0.707	0.0427	115 %	71-126	5L08017	EPA 8260B	12/08/15 16:51	KKW	
4-Bromofluorobenzene	0.040	0.707	0.0427	93 %	71-126	5L08025	EPA 8260B	12/09/15 11:14	JAJ	
Dibromofluoromethane	0.047	0.707	0.0427	109 %	72-133	5L08017	EPA 8260B	12/08/15 16:51	KKW	
Dibromofluoromethane	0.047	0.707	0.0427	109 %	72-133	5L08017	EPA 8260B	12/08/15 16:51	KKW	
Dibromofluoromethane	0.038	0.707	0.0427	90 %	72-133	5L08025	EPA 8260B	12/09/15 11:14	JAJ	
Toluene-d8	0.046	0.707	0.0427	108 %	80-123	5L08017	EPA 8260B	12/08/15 16:51	KKW	
Toluene-d8	0.046	0.707	0.0427	108 %	80-123	5L08017	EPA 8260B	12/08/15 16:51	KKW	
Toluene-d8	0.040	0.707	0.0427	93 %	80-123	5L08025	EPA 8260B	12/09/15 11:14	JAJ	

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ANALYTICAL RESULTS

Description: SB-6 2-3	**Lab Sample ID:** C514952-04	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 14:50	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.44

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2,4-Dimethylphenol [105-67-9]^	0.049	U	mg/kg dry	1	0.049	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2,4-Dinitrophenol [51-28-5]^	0.049	U	mg/kg dry	1	0.049	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Chloronaphthalene [91-58-7]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Chlorophenol [95-57-8]^	0.029	U	mg/kg dry	1	0.029	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Methylnaphthalene [91-57-6]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Methylphenol [95-48-7]^	0.029	U	mg/kg dry	1	0.029	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.030	U	mg/kg dry	1	0.030	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Acenaphthene [83-32-9]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Acenaphthylene [208-96-8]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzo(a)anthracene [56-55-3]^	**0.14**	J	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzo(a)pyrene [50-32-8]^	**0.14**	J	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzo(b)fluoranthene [205-99-2]^	**0.18**	J	mg/kg dry	1	0.021	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzo(g,h,i)perylene [191-24-2]^	**0.083**	J	mg/kg dry	1	0.054	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzo(k)fluoranthene [207-08-9]^	**0.094**	J	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.029	U	mg/kg dry	1	0.029	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.049	U	mg/kg dry	1	0.049	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.066**	J	mg/kg dry	1	0.040	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Butylbenzylphthalate [85-68-7]^	0.046	U	mg/kg dry	1	0.046	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Chrysene [218-01-9]^	**0.13**	J	mg/kg dry	1	0.034	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.058	U	mg/kg dry	1	0.058	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Diethylphthalate [84-66-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Dimethylphthalate [131-11-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Di-n-butylphthalate [84-74-2]^	0.047	U	mg/kg dry	1	0.047	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Di-n-octylphthalate [117-84-0]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Fluoranthene [206-44-0]^	**0.14**	J	mg/kg dry	1	0.041	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Hexachlorobenzene [118-74-1]^	0.030	U	mg/kg dry	1	0.030	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Hexachlorobutadiene [87-68-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.045	U	mg/kg dry	1	0.045	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	

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ANALYTICAL RESULTS

Description: SB-6 2-3	**Lab Sample ID:** C514952-04	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 14:50	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.44

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	**0.078**	J	mg/kg dry	1	0.054	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Nitrobenzene [98-95-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.093	U	mg/kg dry	1	0.093	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.062	U	mg/kg dry	1	0.062	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Pentachlorophenol [87-86-5]^	0.038	U	mg/kg dry	1	0.038	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Phenanthrene [85-01-8]^	0.031	U	mg/kg dry	1	0.031	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	
Pyrene [129-00-0]^	**0.14**	J	mg/kg dry	1	0.043	0.38	5L02028	EPA 8270D	12/08/15 17:20	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.1*	*1*	*3.81*	*83 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.91*	*85 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	
2-Fluorophenol	*3.5*	*1*	*3.81*	*92 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.91*	*81 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	
Phenol-d5	*3.6*	*1*	*3.81*	*93 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	
Terphenyl-d14	*1.6*	*1*	*1.91*	*82 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 17:20*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 17:20	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**87**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.080	UD	mg/kg dry	200	0.080	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,1,2,2-Tetrachloroethane [79-34-5]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,1,2-Trichloroethane [79-00-5]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,1-Dichloroethane [75-34-3]^	0.13	UD	mg/kg dry	200	0.13	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,1-Dichloroethene [75-35-4]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,1-Dichloropropene [563-58-6]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2,3-Trichlorobenzene [87-61-6]^	0.21	UD	mg/kg dry	200	0.21	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	QL-02, R-01
1,2,3-Trichloropropane [96-18-4]^	0.87	UD	mg/kg dry	200	0.87	1.1	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2,4-Trichlorobenzene [120-82-1]^	0.19	UD	mg/kg dry	200	0.19	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2,4-Trimethylbenzene [95-63-6]^	**3.3**	D	mg/kg dry	200	0.16	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
1,2-Dibromoethane [106-93-4]^	0.15	UD	mg/kg dry	200	0.15	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2-Dichlorobenzene [95-50-1]^	0.10	UD	mg/kg dry	200	0.10	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2-Dichloroethane [107-06-2]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,2-Dichloropropane [78-87-5]^	0.13	UD	mg/kg dry	200	0.13	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-6 2-3	**Lab Sample ID:**	C514952-04	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 14:50	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	87.44

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3,5-Trimethylbenzene [108-67-8]^	**1.7**	D	mg/kg dry	200	0.13	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
1,3-Dichlorobenzene [541-73-1]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,3-Dichloropropane [142-28-9]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
1,4-Dichlorobenzene [106-46-7]^	0.10	UD	mg/kg dry	200	0.10	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
2,2-Dichloropropane [594-20-7]^	0.091	UD	mg/kg dry	200	0.091	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
2-Butanone [78-93-3]^	0.46	UD	mg/kg dry	200	0.46	1.1	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
2-Chlorotoluene [95-49-8]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
2-Hexanone [591-78-6]^	0.78	UD	mg/kg dry	200	0.78	1.1	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
4-Chlorotoluene [106-43-4]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
4-Isopropyltoluene [99-87-6]^	**0.55**	D	mg/kg dry	200	0.17	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
4-Methyl-2-pentanone [108-10-1]^	0.82	UD	mg/kg dry	200	0.82	1.1	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Acetone [67-64-1]^	0.87	UD	mg/kg dry	200	0.87	1.1	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Benzene [71-43-2]^	0.091	UD	mg/kg dry	200	0.091	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Bromobenzene [108-86-1]^	0.091	UD	mg/kg dry	200	0.091	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Bromochloromethane [74-97-5]^	0.17	UD	mg/kg dry	200	0.17	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Bromodichloromethane [75-27-4]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Bromoform [75-25-2]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Bromomethane [74-83-9]^	0.21	UD	mg/kg dry	200	0.21	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Carbon Tetrachloride [56-23-5]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Chlorobenzene [108-90-7]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Chloroethane [75-00-3]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Chloroform [67-66-3]^	0.098	UD	mg/kg dry	200	0.098	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Chloromethane [74-87-3]^	0.15	UD	mg/kg dry	200	0.15	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
cis-1,2-Dichloroethene [156-59-2]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
cis-1,3-Dichloropropene [10061-01-5]^	0.096	UD	mg/kg dry	200	0.096	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Dibromochloromethane [124-48-1]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Dichlorodifluoromethane [75-71-8]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Ethylbenzene [100-41-4]^	0.13	UD	mg/kg dry	200	0.13	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Isopropyl Ether [108-20-3]	0.091	UD	mg/kg dry	200	0.091	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Isopropylbenzene [98-82-8]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Methylene Chloride [75-09-2]^	0.46	UD	mg/kg dry	200	0.46	1.1	5L08025	EPA 8260B	12/09/15 11:43	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.062	UD	mg/kg dry	200	0.062	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Naphthalene [91-20-3]^	0.13	UD	mg/kg dry	200	0.13	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
n-Butyl Benzene [104-51-8]^	**0.35**	D	mg/kg dry	200	0.21	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
n-Propyl Benzene [103-65-1]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
sec-Butylbenzene [135-98-8]^	**0.40**	D	mg/kg dry	200	0.15	0.23	5L08025	EPA 8260B	12/09/15 11:43	JAJ	QR-02
Styrene [100-42-5]^	0.10	UD	mg/kg dry	200	0.10	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
tert-Butylbenzene [98-06-6]^	0.14	UD	mg/kg dry	200	0.14	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Tetrachloroethene [127-18-4]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Toluene [108-88-3]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
trans-1,2-Dichloroethene [156-60-5]^	0.16	UD	mg/kg dry	200	0.16	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
trans-1,3-Dichloropropene [10061-02-6]^	0.098	UD	mg/kg dry	200	0.098	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Trichloroethene [79-01-6]^	0.11	UD	mg/kg dry	200	0.11	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Trichlorofluoromethane [75-69-4]^	0.12	UD	mg/kg dry	200	0.12	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Vinyl acetate [108-05-4]^	0.062	UD	mg/kg dry	200	0.062	1.1	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Vinyl chloride [75-01-4]^	0.10	UD	mg/kg dry	200	0.10	0.23	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01
Xylenes (Total) [1330-20-7]^	0.23	UD	mg/kg dry	200	0.23	0.46	5L08017	EPA 8260B	12/08/15 17:22	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-6 2-3	**Lab Sample ID:**	C514952-04	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 14:50	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	87.44

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.068	1	0.0525	130 %	71-126	5L08017	EPA 8260B	12/08/15 17:22	KKW	QS-03
4-Bromofluorobenzene	0.068	1	0.0525	130 %	71-126	5L08017	EPA 8260B	12/08/15 17:22	KKW	QS-03
4-Bromofluorobenzene	0.054	1	0.0525	103 %	71-126	5L08025	EPA 8260B	12/09/15 11:43	JAJ	
Dibromofluoromethane	0.057	1	0.0525	109 %	72-133	5L08017	EPA 8260B	12/08/15 17:22	KKW	
Dibromofluoromethane	0.057	1	0.0525	109 %	72-133	5L08017	EPA 8260B	12/08/15 17:22	KKW	
Dibromofluoromethane	0.047	1	0.0525	90 %	72-133	5L08025	EPA 8260B	12/09/15 11:43	JAJ	
Toluene-d8	0.058	1	0.0525	111 %	80-123	5L08017	EPA 8260B	12/08/15 17:22	KKW	
Toluene-d8	0.058	1	0.0525	111 %	80-123	5L08017	EPA 8260B	12/08/15 17:22	KKW	
Toluene-d8	0.049	1	0.0525	93 %	80-123	5L08025	EPA 8260B	12/09/15 11:43	JAJ	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: SB-4 1-2	**Lab Sample ID:** C514952-06	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 15:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 89.62

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2,4-Dimethylphenol [105-67-9]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2,4-Dinitrophenol [51-28-5]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Chloronaphthalene [91-58-7]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Chlorophenol [95-57-8]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Methylnaphthalene [91-57-6]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Methylphenol [95-48-7]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
4-Chloroaniline [106-47-8]^	0.10	U	mg/kg dry	1	0.10	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Acenaphthene [83-32-9]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Acenaphthylene [208-96-8]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Anthracene [120-12-7]^	**0.070**	J	mg/kg dry	1	0.042	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzo(a)anthracene [56-55-3]^	**0.18**	J	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzo(a)pyrene [50-32-8]^	**0.14**	J	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzo(b)fluoranthene [205-99-2]^	**0.19**	J	mg/kg dry	1	0.020	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzo(g,h,i)perylene [191-24-2]^	**0.077**	J	mg/kg dry	1	0.052	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzo(k)fluoranthene [207-08-9]^	**0.11**	J	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.14**	J	mg/kg dry	1	0.039	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Butylbenzylphthalate [85-68-7]^	0.045	U	mg/kg dry	1	0.045	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Chrysene [218-01-9]^	**0.16**	J	mg/kg dry	1	0.033	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.057	U	mg/kg dry	1	0.057	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Dibenzofuran [132-64-9]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Diethylphthalate [84-66-2]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Dimethylphthalate [131-11-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Di-n-butylphthalate [84-74-2]^	0.046	U	mg/kg dry	1	0.046	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Di-n-octylphthalate [117-84-0]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
DPH (as Azobenzene) [103-33-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Fluoranthene [206-44-0]^	**0.36**	J	mg/kg dry	1	0.040	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Fluorene [86-73-7]^	0.032	U	mg/kg dry	1	0.032	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Hexachlorobenzene [118-74-1]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Hexachlorobutadiene [87-68-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.044	U	mg/kg dry	1	0.044	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	

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ANALYTICAL RESULTS

Description: SB-4 1-2	**Lab Sample ID:** C514952-06	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 15:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 89.62

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.023	U	mg/kg dry	1	0.023	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	**0.078**	J	mg/kg dry	1	0.052	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Isophorone [78-59-1]^	0.033	U	mg/kg dry	1	0.033	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Nitrobenzene [98-95-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.023	U	mg/kg dry	1	0.023	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.090	U	mg/kg dry	1	0.090	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.060	U	mg/kg dry	1	0.060	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Pentachlorophenol [87-86-5]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Phenanthrene [85-01-8]^	**0.30**	J	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	
Pyrene [129-00-0]^	**0.31**	J	mg/kg dry	1	0.042	0.37	5L02028	EPA 8270D	12/08/15 16:26	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.7*	*1*	*3.72*	*72 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*1.86*	*76 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	
2-Fluorophenol	*2.1*	*1*	*3.72*	*55 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	
Nitrobenzene-d5	*1.2*	*1*	*1.86*	*63 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	
Phenol-d5	*2.3*	*1*	*3.72*	*61 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	
Terphenyl-d14	*1.5*	*1*	*1.86*	*81 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 16:26*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 16:26	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**90**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,1-Dichloroethane [75-34-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0042	U	mg/kg dry	1	0.0042	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	**0.0086**		mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2-Dibromoethane [106-93-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	**0.0065**		mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	

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ANALYTICAL RESULTS

Description:	SB-4 1-2	**Lab Sample ID:**	C514952-06	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 15:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	89.62

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,3-Dichloropropane [142-28-9]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
2,2-Dichloropropane [594-20-7]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
2-Butanone [78-93-3]^	0.0022	U	mg/kg dry	1	0.0022	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	
2-Chlorotoluene [95-49-8]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
2-Hexanone [591-78-6]^	0.0038	U	mg/kg dry	1	0.0038	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	
4-Chlorotoluene [106-43-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
4-Isopropyltoluene [99-87-6]^	**0.0077**		mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0040	U	mg/kg dry	1	0.0040	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Acetone [67-64-1]^	**0.028**		mg/kg dry	1	0.0042	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	O-01
Benzene [71-43-2]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Bromobenzene [108-86-1]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Bromochloromethane [74-97-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Bromomethane [74-83-9]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Chloromethane [74-87-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Isopropyl Ether [108-20-3]	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 14:37	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Methylene Chloride [75-09-2]^	**0.0025**	J	mg/kg dry	1	0.0022	0.0056	5L08017	EPA 8260B	12/08/15 12:40	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Naphthalene [91-20-3]^	**0.0025**		mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	J-02
n-Butyl Benzene [104-51-8]^	**0.0010**	J	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
n-Propyl Benzene [103-65-1]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
sec-Butylbenzene [135-98-8]^	**0.0016**		mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
tert-Butylbenzene [98-06-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Tetrachloroethene [127-18-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0056	5L07015	EPA 8260B	12/07/15 14:37	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Xylenes (Total) [1330-20-7]^	0.0011	U	mg/kg dry	1	0.0011	0.0022	5L08017	EPA 8260B	12/08/15 12:40	KKW	

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ANALYTICAL RESULTS

Description:	SB-4 1-2	**Lab Sample ID:**	C514952-06	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 15:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	89.62

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.082	1	0.0549	150 %	71-126	5L07015	EPA 8260B	12/07/15 14:37	KKW	QS-03
4-Bromofluorobenzene	0.082	1	0.0514	160 %	71-126	5L08017	EPA 8260B	12/08/15 12:40	KKW	QS-06
Dibromofluoromethane	0.063	1	0.0549	116 %	72-133	5L07015	EPA 8260B	12/07/15 14:37	KKW	
Dibromofluoromethane	0.059	1	0.0514	115 %	72-133	5L08017	EPA 8260B	12/08/15 12:40	KKW	
Toluene-d8	0.061	1	0.0549	111 %	80-123	5L07015	EPA 8260B	12/07/15 14:37	KKW	
Toluene-d8	0.058	1	0.0514	113 %	80-123	5L08017	EPA 8260B	12/08/15 12:40	KKW	

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ANALYTICAL RESULTS

Description: SB-3 0-1	**Lab Sample ID:** C514952-07	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 83.10

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.032	U	mg/kg dry	1	0.032	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2,4-Dichlorophenol [120-83-2]^	0.029	U	mg/kg dry	1	0.029	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2,4-Dimethylphenol [105-67-9]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2,4-Dinitrophenol [51-28-5]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Chloronaphthalene [91-58-7]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Chlorophenol [95-57-8]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Methylnaphthalene [91-57-6]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Methylphenol [95-48-7]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
2-Nitrophenol [88-75-5]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.032	U	mg/kg dry	1	0.032	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
4-Nitrophenol [100-02-7]^	0.037	U	mg/kg dry	1	0.037	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Acenaphthene [83-32-9]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Acenaphthylene [208-96-8]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Anthracene [120-12-7]^	0.046	U	mg/kg dry	1	0.046	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzo(a)anthracene [56-55-3]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzo(a)pyrene [50-32-8]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.022	U	mg/kg dry	1	0.022	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.057	U	mg/kg dry	1	0.057	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzoic acid [65-85-0]^	0.18	U	mg/kg dry	1	0.18	2.0	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Benzyl alcohol [100-51-6]^	0.028	U	mg/kg dry	1	0.028	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.030	U	mg/kg dry	1	0.030	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.052	U	mg/kg dry	1	0.052	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.029	U	mg/kg dry	1	0.029	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.042	U	mg/kg dry	1	0.042	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Butylbenzylphthalate [85-68-7]^	0.048	U	mg/kg dry	1	0.048	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Chrysene [218-01-9]^	0.036	U	mg/kg dry	1	0.036	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.061	U	mg/kg dry	1	0.061	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Dibenzofuran [132-64-9]^	0.032	U	mg/kg dry	1	0.032	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Diethylphthalate [84-66-2]^	0.034	U	mg/kg dry	1	0.034	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Dimethylphthalate [131-11-3]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Di-n-butylphthalate [84-74-2]^	0.049	U	mg/kg dry	1	0.049	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Di-n-octylphthalate [117-84-0]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
DPH (as Azobenzene) [103-33-3]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Fluoranthene [206-44-0]^	0.043	U	mg/kg dry	1	0.043	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Fluorene [86-73-7]^	0.035	U	mg/kg dry	1	0.035	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Hexachlorobenzene [118-74-1]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Hexachlorobutadiene [87-68-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.047	U	mg/kg dry	1	0.047	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	

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ANALYTICAL RESULTS

Description: SB-3 0-1	**Lab Sample ID:** C514952-07	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 83.10

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.025	U	mg/kg dry	1	0.025	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.057	U	mg/kg dry	1	0.057	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Isophorone [78-59-1]^	0.036	U	mg/kg dry	1	0.036	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Nitrobenzene [98-95-3]^	0.031	U	mg/kg dry	1	0.031	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.025	U	mg/kg dry	1	0.025	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.097	U	mg/kg dry	1	0.097	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.065	U	mg/kg dry	1	0.065	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Pentachlorophenol [87-86-5]^	0.040	U	mg/kg dry	1	0.040	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Phenanthrene [85-01-8]^	0.032	U	mg/kg dry	1	0.032	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Phenol [108-95-2]^	0.026	U	mg/kg dry	1	0.026	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	
Pyrene [129-00-0]^	0.046	U	mg/kg dry	1	0.046	0.40	5L02028	EPA 8270D	12/08/15 13:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*1*	*4.01*	*84 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*2.01*	*85 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	
2-Fluorophenol	*2.9*	*1*	*4.01*	*73 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.01*	*79 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	
Phenol-d5	*3.2*	*1*	*4.01*	*80 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	
Terphenyl-d14	*1.6*	*1*	*2.01*	*81 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 13:13*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 13:13	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**83**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0003	U	mg/kg dry	0.723	0.0003	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,1-Dichloroethane [75-34-3]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,1-Dichloroethene [75-35-4]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,1-Dichloropropene [563-58-6]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0008	U	mg/kg dry	0.723	0.0008	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0033	U	mg/kg dry	0.723	0.0033	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0007	U	mg/kg dry	0.723	0.0007	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	**0.054**		mg/kg dry	0.723	0.0006	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2-Dibromoethane [106-93-4]^	0.0006	U	mg/kg dry	0.723	0.0006	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2-Dichloroethane [107-06-2]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,2-Dichloropropane [78-87-5]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	**0.028**		mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	

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ANALYTICAL RESULTS

Description:	SB-3 0-1	**Lab Sample ID:**	C514952-07	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 16:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	83.10

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,3-Dichloropropane [142-28-9]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
2,2-Dichloropropane [594-20-7]^	0.0003	U	mg/kg dry	0.723	0.0003	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
2-Butanone [78-93-3]^	0.0017	U	mg/kg dry	0.723	0.0017	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	
2-Chlorotoluene [95-49-8]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
2-Hexanone [591-78-6]^	0.0030	U	mg/kg dry	0.723	0.0030	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	
4-Chlorotoluene [106-43-4]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
4-Isopropyltoluene [99-87-6]^	**0.031**		mg/kg dry	0.723	0.0007	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0031	U	mg/kg dry	0.723	0.0031	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Acetone [67-64-1]^	**0.018**		mg/kg dry	0.723	0.0033	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	O-01
Benzene [71-43-2]^	0.0003	U	mg/kg dry	0.723	0.0003	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Bromobenzene [108-86-1]^	0.0003	U	mg/kg dry	0.723	0.0003	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Bromochloromethane [74-97-5]^	0.0007	U	mg/kg dry	0.723	0.0007	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Bromodichloromethane [75-27-4]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Bromoform [75-25-2]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Bromomethane [74-83-9]^	0.0008	U	mg/kg dry	0.723	0.0008	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Carbon Tetrachloride [56-23-5]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Chlorobenzene [108-90-7]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Chloroethane [75-00-3]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Chloroform [67-66-3]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Chloromethane [74-87-3]^	0.0006	U	mg/kg dry	0.723	0.0006	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Dibromochloromethane [124-48-1]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Ethylbenzene [100-41-4]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Isopropyl Ether [108-20-3]	0.0004	U	mg/kg dry	0.8	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 13:12	KKW	
Isopropylbenzene [98-82-8]^	**0.0005**	J	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Methylene Chloride [75-09-2]^	**0.0027**	J	mg/kg dry	0.723	0.0017	0.0043	5L08017	EPA 8260B	12/08/15 19:28	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0002	U	mg/kg dry	0.723	0.0002	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Naphthalene [91-20-3]^	**0.0022**		mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	J-02
n-Butyl Benzene [104-51-8]^	**0.0066**		mg/kg dry	0.723	0.0008	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
n-Propyl Benzene [103-65-1]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
sec-Butylbenzene [135-98-8]^	**0.0088**		mg/kg dry	0.723	0.0006	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Styrene [100-42-5]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
tert-Butylbenzene [98-06-6]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Tetrachloroethene [127-18-4]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Toluene [108-88-3]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0006	U	mg/kg dry	0.723	0.0006	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Trichloroethene [79-01-6]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Trichlorofluoromethane [75-69-4]^	0.0005	U	mg/kg dry	0.723	0.0005	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	0.8	0.0003	0.0048	5L08017	EPA 8260B	12/08/15 13:12	KKW	
Vinyl chloride [75-01-4]^	0.0004	U	mg/kg dry	0.723	0.0004	0.0009	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Xylenes (Total) [1330-20-7]^	0.0009	U	mg/kg dry	0.723	0.0009	0.0017	5L08017	EPA 8260B	12/08/15 19:28	KKW	

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ANALYTICAL RESULTS

Description:	SB-3 0-1	**Lab Sample ID:**	C514952-07	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 16:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	83.10

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.10	0.8	0.0481	212 %	71-126	5L08017	EPA 8260B	12/08/15 13:12	KKW	QS-06
4-Bromofluorobenzene	0.11	0.723	0.0435	249 %	71-126	5L08017	EPA 8260B	12/08/15 19:28	KKW	QS-06
Dibromofluoromethane	0.055	0.8	0.0481	113 %	72-133	5L08017	EPA 8260B	12/08/15 13:12	KKW	
Dibromofluoromethane	0.049	0.723	0.0435	113 %	72-133	5L08017	EPA 8260B	12/08/15 19:28	KKW	
Toluene-d8	0.053	0.8	0.0481	111 %	80-123	5L08017	EPA 8260B	12/08/15 13:12	KKW	
Toluene-d8	0.049	0.723	0.0435	112 %	80-123	5L08017	EPA 8260B	12/08/15 19:28	KKW	

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ANALYTICAL RESULTS

Description: SB-1 0-1	**Lab Sample ID:** C514952-08	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:35	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.33

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.032	U	mg/kg dry	1	0.032	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2,4-Dichlorophenol [120-83-2]^	0.028	U	mg/kg dry	1	0.028	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2,4-Dimethylphenol [105-67-9]^	0.051	U	mg/kg dry	1	0.051	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2,4-Dinitrophenol [51-28-5]^	0.051	U	mg/kg dry	1	0.051	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.037	U	mg/kg dry	1	0.037	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Chloronaphthalene [91-58-7]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Chlorophenol [95-57-8]^	0.030	U	mg/kg dry	1	0.030	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Methylnaphthalene [91-57-6]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Methylphenol [95-48-7]^	0.030	U	mg/kg dry	1	0.030	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
2-Nitrophenol [88-75-5]^	0.037	U	mg/kg dry	1	0.037	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.031	U	mg/kg dry	1	0.031	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.032	U	mg/kg dry	1	0.032	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.031	U	mg/kg dry	1	0.031	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
4-Nitrophenol [100-02-7]^	0.037	U	mg/kg dry	1	0.037	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Acenaphthene [83-32-9]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Acenaphthylene [208-96-8]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Anthracene [120-12-7]^	0.045	U	mg/kg dry	1	0.045	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzo(a)anthracene [56-55-3]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzo(a)pyrene [50-32-8]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.021	U	mg/kg dry	1	0.021	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.056	U	mg/kg dry	1	0.056	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzoic acid [65-85-0]^	0.18	U	mg/kg dry	1	0.18	2.0	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Benzyl alcohol [100-51-6]^	0.027	U	mg/kg dry	1	0.027	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.030	U	mg/kg dry	1	0.030	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.051	U	mg/kg dry	1	0.051	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.028	U	mg/kg dry	1	0.028	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.17**	J	mg/kg dry	1	0.042	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Butylbenzylphthalate [85-68-7]^	0.047	U	mg/kg dry	1	0.047	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Chrysene [218-01-9]^	0.036	U	mg/kg dry	1	0.036	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.060	U	mg/kg dry	1	0.060	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Dibenzofuran [132-64-9]^	0.032	U	mg/kg dry	1	0.032	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Diethylphthalate [84-66-2]^	0.033	U	mg/kg dry	1	0.033	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Dimethylphthalate [131-11-3]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Di-n-butylphthalate [84-74-2]^	0.049	U	mg/kg dry	1	0.049	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Di-n-octylphthalate [117-84-0]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
DPH (as Azobenzene) [103-33-3]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Fluoranthene [206-44-0]^	0.043	U	mg/kg dry	1	0.043	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Fluorene [86-73-7]^	0.034	U	mg/kg dry	1	0.034	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Hexachlorobenzene [118-74-1]^	0.031	U	mg/kg dry	1	0.031	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Hexachlorobutadiene [87-68-3]^	0.031	U	mg/kg dry	1	0.031	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.046	U	mg/kg dry	1	0.046	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	

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ANALYTICAL RESULTS

Description: SB-1 0-1	**Lab Sample ID:** C514952-08	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:35	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.33

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.025	U	mg/kg dry	1	0.025	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.056	U	mg/kg dry	1	0.056	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Isophorone [78-59-1]^	0.036	U	mg/kg dry	1	0.036	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Nitrobenzene [98-95-3]^	0.031	U	mg/kg dry	1	0.031	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.025	U	mg/kg dry	1	0.025	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.096	U	mg/kg dry	1	0.096	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.064	U	mg/kg dry	1	0.064	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Pentachlorophenol [87-86-5]^	0.039	U	mg/kg dry	1	0.039	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Phenanthrene [85-01-8]^	0.032	U	mg/kg dry	1	0.032	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Phenol [108-95-2]^	0.026	U	mg/kg dry	1	0.026	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	
Pyrene [129-00-0]^	0.045	U	mg/kg dry	1	0.045	0.39	5L02028	EPA 8270D	12/08/15 15:31	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*1.2*	*1*	*3.95*	*31 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.98*	*83 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	
2-Fluorophenol	*1.5*	*1*	*3.95*	*37 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	*QS-03*
Nitrobenzene-d5	*1.6*	*1*	*1.98*	*81 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	
Phenol-d5	*2.7*	*1*	*3.95*	*68 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	
Terphenyl-d14	*1.6*	*1*	*1.98*	*81 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 15:31*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 15:31	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**84**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.034	UD	mg/kg dry	81.6	0.034	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.044	UD	mg/kg dry	81.6	0.044	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.058	UD	mg/kg dry	81.6	0.058	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,1-Dichloroethane [75-34-3]^	0.055	UD	mg/kg dry	81.6	0.055	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,1-Dichloroethene [75-35-4]^	0.060	UD	mg/kg dry	81.6	0.060	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,1-Dichloropropene [563-58-6]^	0.052	UD	mg/kg dry	81.6	0.052	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.088	UD	mg/kg dry	81.6	0.088	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2,3-Trichloropropane [96-18-4]^	0.37	UD	mg/kg dry	81.6	0.37	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.082	UD	mg/kg dry	81.6	0.082	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	**0.77**	D	mg/kg dry	81.6	0.066	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2-Dibromoethane [106-93-4]^	0.065	UD	mg/kg dry	81.6	0.065	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.043	UD	mg/kg dry	81.6	0.043	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2-Dichloroethane [107-06-2]^	0.051	UD	mg/kg dry	81.6	0.051	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,2-Dichloropropane [78-87-5]^	0.053	UD	mg/kg dry	81.6	0.053	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	**0.38**	D	mg/kg dry	81.6	0.057	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	

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ANALYTICAL RESULTS

Description: SB-1 0-1	**Lab Sample ID:** C514952-08	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:35	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.33

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.045	UD	mg/kg dry	81.6	0.045	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,3-Dichloropropane [142-28-9]^	0.048	UD	mg/kg dry	81.6	0.048	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.044	UD	mg/kg dry	81.6	0.044	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
2,2-Dichloropropane [594-20-7]^	0.039	UD	mg/kg dry	81.6	0.039	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
2-Butanone [78-93-3]^	0.19	UD	mg/kg dry	81.6	0.19	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
2-Chlorotoluene [95-49-8]^	0.046	UD	mg/kg dry	81.6	0.046	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
2-Hexanone [591-78-6]^	0.33	UD	mg/kg dry	81.6	0.33	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
4-Chlorotoluene [106-43-4]^	0.059	UD	mg/kg dry	81.6	0.059	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
4-Isopropyltoluene [99-87-6]^	**0.33**	D	mg/kg dry	81.6	0.074	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.35	UD	mg/kg dry	81.6	0.35	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Acetone [67-64-1]^	0.37	UD	mg/kg dry	81.6	0.37	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Benzene [71-43-2]^	0.039	UD	mg/kg dry	81.6	0.039	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Bromobenzene [108-86-1]^	0.039	UD	mg/kg dry	81.6	0.039	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Bromochloromethane [74-97-5]^	0.073	UD	mg/kg dry	81.6	0.073	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Bromodichloromethane [75-27-4]^	0.045	UD	mg/kg dry	81.6	0.045	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Bromoform [75-25-2]^	0.049	UD	mg/kg dry	81.6	0.049	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Bromomethane [74-83-9]^	0.087	UD	mg/kg dry	81.6	0.087	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Carbon Tetrachloride [56-23-5]^	0.058	UD	mg/kg dry	81.6	0.058	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Chlorobenzene [108-90-7]^	0.046	UD	mg/kg dry	81.6	0.046	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Chloroethane [75-00-3]^	0.052	UD	mg/kg dry	81.6	0.052	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Chloroform [67-66-3]^	0.042	UD	mg/kg dry	81.6	0.042	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Chloromethane [74-87-3]^	0.063	UD	mg/kg dry	81.6	0.063	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.051	UD	mg/kg dry	81.6	0.051	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.041	UD	mg/kg dry	81.6	0.041	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Dibromochloromethane [124-48-1]^	0.050	UD	mg/kg dry	81.6	0.050	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Dichlorodifluoromethane [75-71-8]^	0.060	UD	mg/kg dry	81.6	0.060	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Ethylbenzene [100-41-4]^	0.054	UD	mg/kg dry	81.6	0.054	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Isopropyl Ether [108-20-3]	0.039	UD	mg/kg dry	81.6	0.039	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Isopropylbenzene [98-82-8]^	0.052	UD	mg/kg dry	81.6	0.052	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Methylene Chloride [75-09-2]^	0.19	UD	mg/kg dry	81.6	0.19	0.48	5L08025	EPA 8260B	12/09/15 12:13	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.026	UD	mg/kg dry	81.6	0.026	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Naphthalene [91-20-3]^	0.055	UD	mg/kg dry	81.6	0.055	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	QL-02
n-Butyl Benzene [104-51-8]^	0.087	UD	mg/kg dry	81.6	0.087	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
n-Propyl Benzene [103-65-1]^	0.061	UD	mg/kg dry	81.6	0.061	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
sec-Butylbenzene [135-98-8]^	**0.096**	JD	mg/kg dry	81.6	0.063	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Styrene [100-42-5]^	0.043	UD	mg/kg dry	81.6	0.043	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
tert-Butylbenzene [98-06-6]^	0.058	UD	mg/kg dry	81.6	0.058	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Tetrachloroethene [127-18-4]^	0.047	UD	mg/kg dry	81.6	0.047	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Toluene [108-88-3]^	0.044	UD	mg/kg dry	81.6	0.044	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.067	UD	mg/kg dry	81.6	0.067	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.042	UD	mg/kg dry	81.6	0.042	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Trichloroethene [79-01-6]^	0.048	UD	mg/kg dry	81.6	0.048	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Trichlorofluoromethane [75-69-4]^	0.052	UD	mg/kg dry	81.6	0.052	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Vinyl acetate [108-05-4]^	0.026	UD	mg/kg dry	81.6	0.026	0.48	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Vinyl chloride [75-01-4]^	0.043	UD	mg/kg dry	81.6	0.043	0.097	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Xylenes (Total) [1330-20-7]^	0.096	UD	mg/kg dry	81.6	0.096	0.19	5L07015	EPA 8260B	12/07/15 15:40	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes

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ANALYTICAL RESULTS

Description:	SB-1 0-1	**Lab Sample ID:**	C514952-08	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 16:35	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	84.33

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.058	0.816	0.0484	120 %	71-126	5L07015	EPA 8260B	12/07/15 15:40	KKW	
4-Bromofluorobenzene	0.058	0.816	0.0484	120 %	71-126	5L07015	EPA 8260B	12/07/15 15:40	KKW	
4-Bromofluorobenzene	0.046	0.816	0.0484	95 %	71-126	5L08025	EPA 8260B	12/09/15 12:13	JAJ	
Dibromofluoromethane	0.055	0.816	0.0484	113 %	72-133	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Dibromofluoromethane	0.055	0.816	0.0484	113 %	72-133	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Dibromofluoromethane	0.044	0.816	0.0484	91 %	72-133	5L08025	EPA 8260B	12/09/15 12:13	JAJ	
Toluene-d8	0.055	0.816	0.0484	113 %	80-123	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Toluene-d8	0.055	0.816	0.0484	113 %	80-123	5L07015	EPA 8260B	12/07/15 15:40	KKW	
Toluene-d8	0.045	0.816	0.0484	93 %	80-123	5L08025	EPA 8260B	12/09/15 12:13	JAJ	

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ANALYTICAL RESULTS

Description: SB-2 1-1.2	**Lab Sample ID:** C514952-10	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:50	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 89.12

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2,4-Dimethylphenol [105-67-9]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2,4-Dinitrophenol [51-28-5]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Chloronaphthalene [91-58-7]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Chlorophenol [95-57-8]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Methylnaphthalene [91-57-6]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Methylphenol [95-48-7]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
4-Chloroaniline [106-47-8]^	0.10	U	mg/kg dry	1	0.10	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Acenaphthene [83-32-9]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Acenaphthylene [208-96-8]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzo(a)anthracene [56-55-3]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzo(a)pyrene [50-32-8]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.020	U	mg/kg dry	1	0.020	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.053	U	mg/kg dry	1	0.053	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.028	U	mg/kg dry	1	0.028	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.048	U	mg/kg dry	1	0.048	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.17**	J	mg/kg dry	1	0.039	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Butylbenzylphthalate [85-68-7]^	0.045	U	mg/kg dry	1	0.045	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Chrysene [218-01-9]^	0.034	U	mg/kg dry	1	0.034	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.057	U	mg/kg dry	1	0.057	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Dibenzofuran [132-64-9]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Diethylphthalate [84-66-2]^	0.031	U	mg/kg dry	1	0.031	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Dimethylphthalate [131-11-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Di-n-butylphthalate [84-74-2]^	0.046	U	mg/kg dry	1	0.046	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Di-n-octylphthalate [117-84-0]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
DPH (as Azobenzene) [103-33-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Fluoranthene [206-44-0]^	0.040	U	mg/kg dry	1	0.040	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Hexachlorobenzene [118-74-1]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Hexachlorobutadiene [87-68-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.044	U	mg/kg dry	1	0.044	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	

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ANALYTICAL RESULTS

Description: SB-2 1-1.2	**Lab Sample ID:** C514952-10	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:50	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 89.12

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.053	U	mg/kg dry	1	0.053	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Nitrobenzene [98-95-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.091	U	mg/kg dry	1	0.091	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.061	U	mg/kg dry	1	0.061	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Pentachlorophenol [87-86-5]^	0.037	U	mg/kg dry	1	0.037	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Phenanthrene [85-01-8]^	0.030	U	mg/kg dry	1	0.030	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	
Pyrene [129-00-0]^	0.043	U	mg/kg dry	1	0.043	0.37	5L02028	EPA 8270D	12/08/15 13:40	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.9*	*1*	*3.74*	*78 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	
2-Fluorobiphenyl	*1.5*	*1*	*1.87*	*83 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	
2-Fluorophenol	*2.6*	*1*	*3.74*	*69 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	
Nitrobenzene-d5	*1.4*	*1*	*1.87*	*76 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	
Phenol-d5	*2.8*	*1*	*3.74*	*75 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	
Terphenyl-d14	*1.6*	*1*	*1.87*	*87 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 13:40*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 13:40	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**89**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,1-Dichloroethane [75-34-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2,3-Trichloropropane [96-18-4]^	0.0043	U	mg/kg dry	1	0.0043	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2-Dibromoethane [106-93-4]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	

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ANALYTICAL RESULTS

Description: SB-2 1-1.2	**Lab Sample ID:** C514952-10	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 16:50	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 89.12

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,3-Dichloropropane [142-28-9]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
2,2-Dichloropropane [594-20-7]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
2-Butanone [78-93-3]^	0.0022	U	mg/kg dry	1	0.0022	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	
2-Chlorotoluene [95-49-8]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
2-Hexanone [591-78-6]^	0.0038	U	mg/kg dry	1	0.0038	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	
4-Chlorotoluene [106-43-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
4-Isopropyltoluene [99-87-6]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0040	U	mg/kg dry	1	0.0040	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Acetone [67-64-1]^	**0.028**		mg/kg dry	1	0.0043	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	O-01
Benzene [71-43-2]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Bromobenzene [108-86-1]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Bromochloromethane [74-97-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Bromomethane [74-83-9]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Chloromethane [74-87-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Isopropyl Ether [108-20-3]	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Methylene Chloride [75-09-2]^	**0.0089**		mg/kg dry	1	0.0022	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	**0.0004**	J	mg/kg dry	1	0.0003	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Naphthalene [91-20-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	QL-02
n-Butyl Benzene [104-51-8]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
n-Propyl Benzene [103-65-1]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
sec-Butylbenzene [135-98-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
tert-Butylbenzene [98-06-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Tetrachloroethene [127-18-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0056	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Xylenes (Total) [1330-20-7]^	0.0011	U	mg/kg dry	1	0.0011	0.0022	5L07015	EPA 8260B	12/07/15 16:11	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes

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ANALYTICAL RESULTS

Description:	SB-2 1-1.2	**Lab Sample ID:**	C514952-10	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 16:50	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	89.12

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.058	1	0.0542	107 %	71-126	5L07015	EPA 8260B	12/07/15 16:11	KKW	
4-Bromofluorobenzene	0.058	1	0.0542	107 %	71-126	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Dibromofluoromethane	0.065	1	0.0542	119 %	72-133	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Dibromofluoromethane	0.065	1	0.0542	119 %	72-133	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Toluene-d8	0.059	1	0.0542	109 %	80-123	5L07015	EPA 8260B	12/07/15 16:11	KKW	
Toluene-d8	0.059	1	0.0542	109 %	80-123	5L07015	EPA 8260B	12/07/15 16:11	KKW	

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ANALYTICAL RESULTS

Description: SB-7 1-2	**Lab Sample ID:** C514952-11	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:00	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.90

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.64	UD	mg/kg dry	20	0.64	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2,4-Dichlorophenol [120-83-2]^	0.57	UD	mg/kg dry	20	0.57	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2,4-Dimethylphenol [105-67-9]^	1.0	UD	mg/kg dry	20	1.0	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2,4-Dinitrophenol [51-28-5]^	1.0	UD	mg/kg dry	20	1.0	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2,4-Dinitrotoluene [121-14-2]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2,6-Dinitrotoluene [606-20-2]^	0.73	UD	mg/kg dry	20	0.73	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Chloronaphthalene [91-58-7]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Chlorophenol [95-57-8]^	0.59	UD	mg/kg dry	20	0.59	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Methylnaphthalene [91-57-6]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Methylphenol [95-48-7]^	0.59	UD	mg/kg dry	20	0.59	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
2-Nitrophenol [88-75-5]^	0.73	UD	mg/kg dry	20	0.73	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.61	UD	mg/kg dry	20	0.61	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
3,3'-Dichlorobenzidine [91-94-1]^	2.3	UD	mg/kg dry	20	2.3	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
4-Bromophenyl-phenylether [101-55-3]^	0.64	UD	mg/kg dry	20	0.64	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
4-Chloro-3-methylphenol [59-50-7]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
4-Chloroaniline [106-47-8]^	2.2	UD	mg/kg dry	20	2.2	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
4-Chlorophenyl-phenylether [7005-72-3]^	0.61	UD	mg/kg dry	20	0.61	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
4-Nitrophenol [100-02-7]^	0.73	UD	mg/kg dry	20	0.73	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Acenaphthene [83-32-9]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Acenaphthylene [208-96-8]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Anthracene [120-12-7]^	0.90	UD	mg/kg dry	20	0.90	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzo(a)anthracene [56-55-3]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzo(a)pyrene [50-32-8]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzo(b)fluoranthene [205-99-2]^	0.42	UD	mg/kg dry	20	0.42	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzo(g,h,i)perylene [191-24-2]^	1.1	UD	mg/kg dry	20	1.1	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzo(k)fluoranthene [207-08-9]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzoic acid [65-85-0]^	3.5	UD	mg/kg dry	20	3.5	40	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Benzyl alcohol [100-51-6]^	0.54	UD	mg/kg dry	20	0.54	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Bis(2-chloroethoxy)methane [111-91-1]^	0.59	UD	mg/kg dry	20	0.59	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Bis(2-chloroethyl)ether [111-44-4]^	1.0	UD	mg/kg dry	20	1.0	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Bis(2-chloroisopropyl)ether [108-60-1]^	0.57	UD	mg/kg dry	20	0.57	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.82	UD	mg/kg dry	20	0.82	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Butylbenzylphthalate [85-68-7]^	0.94	UD	mg/kg dry	20	0.94	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Chrysene [218-01-9]^	0.71	UD	mg/kg dry	20	0.71	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Dibenzo(a,h)anthracene [53-70-3]^	1.2	UD	mg/kg dry	20	1.2	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Dibenzofuran [132-64-9]^	0.64	UD	mg/kg dry	20	0.64	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Diethylphthalate [84-66-2]^	0.66	UD	mg/kg dry	20	0.66	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Dimethylphthalate [131-11-3]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Di-n-butylphthalate [84-74-2]^	0.97	UD	mg/kg dry	20	0.97	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Di-n-octylphthalate [117-84-0]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
DPH (as Azobenzene) [103-33-3]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Fluoranthene [206-44-0]^	0.85	UD	mg/kg dry	20	0.85	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Fluorene [86-73-7]^	0.68	UD	mg/kg dry	20	0.68	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Hexachlorobenzene [118-74-1]^	0.61	UD	mg/kg dry	20	0.61	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Hexachlorobutadiene [87-68-3]^	0.61	UD	mg/kg dry	20	0.61	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Hexachlorocyclopentadiene [77-47-4]^	0.92	UD	mg/kg dry	20	0.92	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05

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ANALYTICAL RESULTS

Description: SB-7 1-2	**Lab Sample ID:** C514952-11	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:00	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.90

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.49	UD	mg/kg dry	20	0.49	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Indeno(1,2,3-cd)pyrene [193-39-5]^	1.1	UD	mg/kg dry	20	1.1	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Isophorone [78-59-1]^	0.71	UD	mg/kg dry	20	0.71	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Nitrobenzene [98-95-3]^	0.61	UD	mg/kg dry	20	0.61	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
N-Nitrosodimethylamine [62-75-9]^	0.49	UD	mg/kg dry	20	0.49	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
N-Nitroso-di-n-propylamine [621-64-7]^	1.9	UD	mg/kg dry	20	1.9	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	1.3	UD	mg/kg dry	20	1.3	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Pentachlorophenol [87-86-5]^	0.78	UD	mg/kg dry	20	0.78	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Phenanthrene [85-01-8]^	0.64	UD	mg/kg dry	20	0.64	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Phenol [108-95-2]^	0.52	UD	mg/kg dry	20	0.52	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05
Pyrene [129-00-0]^	0.90	UD	mg/kg dry	20	0.90	7.8	5L02028	EPA 8270D	12/08/15 18:42	DFM	R-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.6*	*20*	*3.93*	*91 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*R-05*
2-Fluorobiphenyl	*2.3*	*20*	*1.96*	*115 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*R-05*
2-Fluorophenol	*4.6*	*20*	*3.93*	*117 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*R-05*
Nitrobenzene-d5	*3.8*	*20*	*1.96*	*193 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*QS-03, R-05*
Phenol-d5	*24*	*20*	*3.93*	*624 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*QS-03, R-05*
Terphenyl-d14	*2.3*	*20*	*1.96*	*115 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 18:42*	*DFM*	*R-05*

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	UD	mg/kg dry	20			5L02028	EPA 8270D	12/08/15 18:42	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**85**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.34	UD	mg/kg dry	822	0.34	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.45	UD	mg/kg dry	822	0.45	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.58	UD	mg/kg dry	822	0.58	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,1-Dichloroethane [75-34-3]^	0.55	UD	mg/kg dry	822	0.55	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,1-Dichloroethene [75-35-4]^	0.60	UD	mg/kg dry	822	0.60	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,1-Dichloropropene [563-58-6]^	0.52	UD	mg/kg dry	822	0.52	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.88	UD	mg/kg dry	822	0.88	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2,3-Trichloropropane [96-18-4]^	3.7	UD	mg/kg dry	822	3.7	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.82	UD	mg/kg dry	822	0.82	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	**120**	D	mg/kg dry	4110	3.3	4.8	5L08025	EPA 8260B	12/09/15 13:12	JAJ	QR-02
1,2-Dibromoethane [106-93-4]^	0.65	UD	mg/kg dry	822	0.65	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.43	UD	mg/kg dry	822	0.43	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2-Dichloroethane [107-06-2]^	0.51	UD	mg/kg dry	822	0.51	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,2-Dichloropropane [78-87-5]^	0.53	UD	mg/kg dry	822	0.53	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	

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ANALYTICAL RESULTS

Description: SB-7 1-2	**Lab Sample ID:** C514952-11	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:00	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 84.90

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3,5-Trimethylbenzene [108-67-8]^	**73**	D	mg/kg dry	822	0.57	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.46	UD	mg/kg dry	822	0.46	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,3-Dichloropropane [142-28-9]^	0.48	UD	mg/kg dry	822	0.48	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.44	UD	mg/kg dry	822	0.44	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
2,2-Dichloropropane [594-20-7]^	0.39	UD	mg/kg dry	822	0.39	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
2-Butanone [78-93-3]^	1.9	UD	mg/kg dry	822	1.9	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
2-Chlorotoluene [95-49-8]^	0.46	UD	mg/kg dry	822	0.46	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
2-Hexanone [591-78-6]^	3.3	UD	mg/kg dry	822	3.3	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
4-Chlorotoluene [106-43-4]^	0.59	UD	mg/kg dry	822	0.59	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
4-Isopropyltoluene [99-87-6]^	**15**	D	mg/kg dry	822	0.74	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
4-Methyl-2-pentanone [108-10-1]^	3.5	UD	mg/kg dry	822	3.5	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Acetone [67-64-1]^	3.7	UD	mg/kg dry	822	3.7	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Benzene [71-43-2]^	0.39	UD	mg/kg dry	822	0.39	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Bromobenzene [108-86-1]^	0.39	UD	mg/kg dry	822	0.39	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Bromochloromethane [74-97-5]^	0.73	UD	mg/kg dry	822	0.73	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Bromodichloromethane [75-27-4]^	0.46	UD	mg/kg dry	822	0.46	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Bromoform [75-25-2]^	0.49	UD	mg/kg dry	822	0.49	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Bromomethane [74-83-9]^	0.87	UD	mg/kg dry	822	0.87	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Carbon Tetrachloride [56-23-5]^	0.58	UD	mg/kg dry	822	0.58	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Chlorobenzene [108-90-7]^	**0.56**	JD	mg/kg dry	822	0.46	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Chloroethane [75-00-3]^	0.52	UD	mg/kg dry	822	0.52	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Chloroform [67-66-3]^	0.42	UD	mg/kg dry	822	0.42	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Chloromethane [74-87-3]^	0.63	UD	mg/kg dry	822	0.63	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.51	UD	mg/kg dry	822	0.51	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.41	UD	mg/kg dry	822	0.41	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Dibromochloromethane [124-48-1]^	0.50	UD	mg/kg dry	822	0.50	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Dichlorodifluoromethane [75-71-8]^	0.60	UD	mg/kg dry	822	0.60	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Ethylbenzene [100-41-4]^	0.54	UD	mg/kg dry	822	0.54	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Isopropyl Ether [108-20-3]	0.39	UD	mg/kg dry	822	0.39	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Isopropylbenzene [98-82-8]^	**1.9**	D	mg/kg dry	822	0.52	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Methylene Chloride [75-09-2]^	1.9	UD	mg/kg dry	822	1.9	4.8	5L08025	EPA 8260B	12/09/15 12:42	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.26	UD	mg/kg dry	822	0.26	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Naphthalene [91-20-3]^	**2.5**	D	mg/kg dry	822	0.55	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	J-02
n-Butyl Benzene [104-51-8]^	**5.4**	D	mg/kg dry	822	0.87	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
n-Propyl Benzene [103-65-1]^	**4.9**	D	mg/kg dry	822	0.61	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
sec-Butylbenzene [135-98-8]^	**9.3**	D	mg/kg dry	822	0.63	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Styrene [100-42-5]^	0.43	UD	mg/kg dry	822	0.43	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
tert-Butylbenzene [98-06-6]^	**1.9**	D	mg/kg dry	822	0.58	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Tetrachloroethene [127-18-4]^	0.47	UD	mg/kg dry	822	0.47	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Toluene [108-88-3]^	0.45	UD	mg/kg dry	822	0.45	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.67	UD	mg/kg dry	822	0.67	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.42	UD	mg/kg dry	822	0.42	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Trichloroethene [79-01-6]^	0.48	UD	mg/kg dry	822	0.48	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Trichlorofluoromethane [75-69-4]^	0.52	UD	mg/kg dry	822	0.52	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Vinyl acetate [108-05-4]^	0.26	UD	mg/kg dry	822	0.26	4.8	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Vinyl chloride [75-01-4]^	0.43	UD	mg/kg dry	822	0.43	0.97	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Xylenes (Total) [1330-20-7]^	**11**	D	mg/kg dry	822	0.96	1.9	5L07015	EPA 8260B	12/07/15 16:43	KKW	

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ANALYTICAL RESULTS

Description:	SB-7 1-2	**Lab Sample ID:**	C514952-11	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 17:00	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	84.90

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.091	0.822	0.0484	187 %	71-126	5L07015	EPA 8260B	12/07/15 16:43	KKW	QS-03
4-Bromofluorobenzene	0.091	0.822	0.0484	187 %	71-126	5L07015	EPA 8260B	12/07/15 16:43	KKW	QS-03
4-Bromofluorobenzene	0.058	0.822	0.0484	119 %	71-126	5L08025	EPA 8260B	12/09/15 12:42	JAJ	
4-Bromofluorobenzene	0.050	0.822	0.0484	104 %	71-126	5L08025	EPA 8260B	12/09/15 13:12	JAJ	
Dibromofluoromethane	0.055	0.822	0.0484	114 %	72-133	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Dibromofluoromethane	0.055	0.822	0.0484	114 %	72-133	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Dibromofluoromethane	0.044	0.822	0.0484	91 %	72-133	5L08025	EPA 8260B	12/09/15 12:42	JAJ	
Dibromofluoromethane	0.044	0.822	0.0484	91 %	72-133	5L08025	EPA 8260B	12/09/15 13:12	JAJ	
Toluene-d8	0.054	0.822	0.0484	111 %	80-123	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Toluene-d8	0.054	0.822	0.0484	111 %	80-123	5L07015	EPA 8260B	12/07/15 16:43	KKW	
Toluene-d8	0.045	0.822	0.0484	94 %	80-123	5L08025	EPA 8260B	12/09/15 12:42	JAJ	
Toluene-d8	0.045	0.822	0.0484	94 %	80-123	5L08025	EPA 8260B	12/09/15 13:12	JAJ	

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ANALYTICAL RESULTS

Description: SB-8 1-1.2	**Lab Sample ID:** C514952-13	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 85.62

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.63	UD	mg/kg dry	20	0.63	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2,4-Dichlorophenol [120-83-2]^	0.56	UD	mg/kg dry	20	0.56	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2,4-Dimethylphenol [105-67-9]^	1.0	UD	mg/kg dry	20	1.0	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2,4-Dinitrophenol [51-28-5]^	1.0	UD	mg/kg dry	20	1.0	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2,4-Dinitrotoluene [121-14-2]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2,6-Dinitrotoluene [606-20-2]^	0.72	UD	mg/kg dry	20	0.72	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Chloronaphthalene [91-58-7]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Chlorophenol [95-57-8]^	0.58	UD	mg/kg dry	20	0.58	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Methylnaphthalene [91-57-6]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Methylphenol [95-48-7]^	0.58	UD	mg/kg dry	20	0.58	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
2-Nitrophenol [88-75-5]^	0.72	UD	mg/kg dry	20	0.72	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.61	UD	mg/kg dry	20	0.61	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
3,3'-Dichlorobenzidine [91-94-1]^	2.3	UD	mg/kg dry	20	2.3	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
4-Bromophenyl-phenylether [101-55-3]^	0.63	UD	mg/kg dry	20	0.63	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
4-Chloro-3-methylphenol [59-50-7]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
4-Chloroaniline [106-47-8]^	2.2	UD	mg/kg dry	20	2.2	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
4-Chlorophenyl-phenylether [7005-72-3]^	0.61	UD	mg/kg dry	20	0.61	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
4-Nitrophenol [100-02-7]^	0.72	UD	mg/kg dry	20	0.72	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Acenaphthene [83-32-9]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Acenaphthylene [208-96-8]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Anthracene [120-12-7]^	0.89	UD	mg/kg dry	20	0.89	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzo(a)anthracene [56-55-3]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzo(a)pyrene [50-32-8]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzo(b)fluoranthene [205-99-2]^	0.42	UD	mg/kg dry	20	0.42	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzo(g,h,i)perylene [191-24-2]^	1.1	UD	mg/kg dry	20	1.1	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzo(k)fluoranthene [207-08-9]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzoic acid [65-85-0]^	3.5	UD	mg/kg dry	20	3.5	40	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Benzyl alcohol [100-51-6]^	0.54	UD	mg/kg dry	20	0.54	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Bis(2-chloroethoxy)methane [111-91-1]^	0.58	UD	mg/kg dry	20	0.58	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Bis(2-chloroethyl)ether [111-44-4]^	1.0	UD	mg/kg dry	20	1.0	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Bis(2-chloroisopropyl)ether [108-60-1]^	0.56	UD	mg/kg dry	20	0.56	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.82	UD	mg/kg dry	20	0.82	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Butylbenzylphthalate [85-68-7]^	0.93	UD	mg/kg dry	20	0.93	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Chrysene [218-01-9]^	0.70	UD	mg/kg dry	20	0.70	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Dibenzo(a,h)anthracene [53-70-3]^	1.2	UD	mg/kg dry	20	1.2	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Dibenzofuran [132-64-9]^	0.63	UD	mg/kg dry	20	0.63	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Diethylphthalate [84-66-2]^	0.65	UD	mg/kg dry	20	0.65	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Dimethylphthalate [131-11-3]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Di-n-butylphthalate [84-74-2]^	0.96	UD	mg/kg dry	20	0.96	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Di-n-octylphthalate [117-84-0]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
DPH (as Azobenzene) [103-33-3]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Fluoranthene [206-44-0]^	0.84	UD	mg/kg dry	20	0.84	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Fluorene [86-73-7]^	0.68	UD	mg/kg dry	20	0.68	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Hexachlorobenzene [118-74-1]^	0.61	UD	mg/kg dry	20	0.61	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Hexachlorobutadiene [87-68-3]^	0.61	UD	mg/kg dry	20	0.61	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Hexachlorocyclopentadiene [77-47-4]^	0.91	UD	mg/kg dry	20	0.91	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05

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ANALYTICAL RESULTS

Description: SB-8 1-1.2	**Lab Sample ID:** C514952-13	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:25	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 85.62

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.49	UD	mg/kg dry	20	0.49	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Indeno(1,2,3-cd)pyrene [193-39-5]^	1.1	UD	mg/kg dry	20	1.1	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Isophorone [78-59-1]^	0.70	UD	mg/kg dry	20	0.70	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Nitrobenzene [98-95-3]^	0.61	UD	mg/kg dry	20	0.61	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
N-Nitrosodimethylamine [62-75-9]^	0.49	UD	mg/kg dry	20	0.49	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
N-Nitroso-di-n-propylamine [621-64-7]^	1.9	UD	mg/kg dry	20	1.9	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	1.3	UD	mg/kg dry	20	1.3	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Pentachlorophenol [87-86-5]^	0.77	UD	mg/kg dry	20	0.77	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Phenanthrene [85-01-8]^	0.63	UD	mg/kg dry	20	0.63	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Phenol [108-95-2]^	0.51	UD	mg/kg dry	20	0.51	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05
Pyrene [129-00-0]^	0.89	UD	mg/kg dry	20	0.89	7.7	5L02028	EPA 8270D	12/08/15 19:09	DFM	R-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.8*	*20*	*3.89*	*71 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*
2-Fluorobiphenyl	*2.1*	*20*	*1.95*	*108 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*
2-Fluorophenol	*3.5*	*20*	*3.89*	*90 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*
Nitrobenzene-d5	*2.0*	*20*	*1.95*	*100 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*
Phenol-d5	*3.8*	*20*	*3.89*	*98 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*
Terphenyl-d14	*2.1*	*20*	*1.95*	*107 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 19:09*	*DFM*	*R-05*

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	UD	mg/kg dry	20			5L02028	EPA 8270D	12/08/15 19:09	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**86**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.18	UD	mg/kg dry	446	0.18	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,1,2,2-Tetrachloroethane [79-34-5]^	0.24	UD	mg/kg dry	446	0.24	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,1,2-Trichloroethane [79-00-5]^	0.31	UD	mg/kg dry	446	0.31	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,1-Dichloroethane [75-34-3]^	0.30	UD	mg/kg dry	446	0.30	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,1-Dichloroethene [75-35-4]^	0.32	UD	mg/kg dry	446	0.32	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,1-Dichloropropene [563-58-6]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2,3-Trichlorobenzene [87-61-6]^	0.47	UD	mg/kg dry	446	0.47	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	QL-02, R-01
1,2,3-Trichloropropane [96-18-4]^	2.0	UD	mg/kg dry	446	2.0	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2,4-Trichlorobenzene [120-82-1]^	0.44	UD	mg/kg dry	446	0.44	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2,4-Trimethylbenzene [95-63-6]^	**14**	D	mg/kg dry	446	0.35	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
1,2-Dibromoethane [106-93-4]^	0.35	UD	mg/kg dry	446	0.35	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2-Dichlorobenzene [95-50-1]^	0.23	UD	mg/kg dry	446	0.23	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2-Dichloroethane [107-06-2]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,2-Dichloropropane [78-87-5]^	0.29	UD	mg/kg dry	446	0.29	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-8 1-1.2	**Lab Sample ID:**	C514952-13	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 17:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	85.62

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3,5-Trimethylbenzene [108-67-8]^	**9.0**	D	mg/kg dry	446	0.31	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
1,3-Dichlorobenzene [541-73-1]^	0.25	UD	mg/kg dry	446	0.25	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,3-Dichloropropane [142-28-9]^	0.26	UD	mg/kg dry	446	0.26	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
1,4-Dichlorobenzene [106-46-7]^	0.23	UD	mg/kg dry	446	0.23	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
2,2-Dichloropropane [594-20-7]^	0.21	UD	mg/kg dry	446	0.21	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
2-Butanone [78-93-3]^	1.0	UD	mg/kg dry	446	1.0	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
2-Chlorotoluene [95-49-8]^	0.25	UD	mg/kg dry	446	0.25	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
2-Hexanone [591-78-6]^	1.8	UD	mg/kg dry	446	1.8	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
4-Chlorotoluene [106-43-4]^	0.32	UD	mg/kg dry	446	0.32	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
4-Isopropyltoluene [99-87-6]^	**2.4**	D	mg/kg dry	446	0.40	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
4-Methyl-2-pentanone [108-10-1]^	1.9	UD	mg/kg dry	446	1.9	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Acetone [67-64-1]^	2.0	UD	mg/kg dry	446	2.0	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Benzene [71-43-2]^	0.21	UD	mg/kg dry	446	0.21	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Bromobenzene [108-86-1]^	0.21	UD	mg/kg dry	446	0.21	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Bromochloromethane [74-97-5]^	0.39	UD	mg/kg dry	446	0.39	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Bromodichloromethane [75-27-4]^	0.25	UD	mg/kg dry	446	0.25	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Bromoform [75-25-2]^	0.27	UD	mg/kg dry	446	0.27	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Bromomethane [74-83-9]^	0.47	UD	mg/kg dry	446	0.47	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Carbon Tetrachloride [56-23-5]^	0.31	UD	mg/kg dry	446	0.31	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Chlorobenzene [108-90-7]^	0.25	UD	mg/kg dry	446	0.25	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Chloroethane [75-00-3]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Chloroform [67-66-3]^	0.22	UD	mg/kg dry	446	0.22	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Chloromethane [74-87-3]^	0.34	UD	mg/kg dry	446	0.34	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
cis-1,2-Dichloroethene [156-59-2]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
cis-1,3-Dichloropropene [10061-01-5]^	0.22	UD	mg/kg dry	446	0.22	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Dibromochloromethane [124-48-1]^	0.27	UD	mg/kg dry	446	0.27	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Dichlorodifluoromethane [75-71-8]^	0.32	UD	mg/kg dry	446	0.32	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Ethylbenzene [100-41-4]^	0.29	UD	mg/kg dry	446	0.29	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Isopropyl Ether [108-20-3]	0.21	UD	mg/kg dry	446	0.21	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Isopropylbenzene [98-82-8]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Methylene Chloride [75-09-2]^	1.0	UD	mg/kg dry	446	1.0	2.6	5L08025	EPA 8260B	12/09/15 13:41	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.14	UD	mg/kg dry	446	0.14	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Naphthalene [91-20-3]^	0.30	UD	mg/kg dry	446	0.30	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
n-Butyl Benzene [104-51-8]^	**0.93**	D	mg/kg dry	446	0.47	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
n-Propyl Benzene [103-65-1]^	0.33	UD	mg/kg dry	446	0.33	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
sec-Butylbenzene [135-98-8]^	**1.3**	D	mg/kg dry	446	0.34	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
Styrene [100-42-5]^	0.23	UD	mg/kg dry	446	0.23	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
tert-Butylbenzene [98-06-6]^	0.31	UD	mg/kg dry	446	0.31	0.52	5L08025	EPA 8260B	12/09/15 13:41	JAJ	QR-02
Tetrachloroethene [127-18-4]^	0.26	UD	mg/kg dry	446	0.26	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Toluene [108-88-3]^	0.24	UD	mg/kg dry	446	0.24	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
trans-1,2-Dichloroethene [156-60-5]^	0.36	UD	mg/kg dry	446	0.36	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
trans-1,3-Dichloropropene [10061-02-6]^	0.22	UD	mg/kg dry	446	0.22	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Trichloroethene [79-01-6]^	0.26	UD	mg/kg dry	446	0.26	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Trichlorofluoromethane [75-69-4]^	0.28	UD	mg/kg dry	446	0.28	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Vinyl acetate [108-05-4]^	0.14	UD	mg/kg dry	446	0.14	2.6	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Vinyl chloride [75-01-4]^	0.23	UD	mg/kg dry	446	0.23	0.52	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01
Xylenes (Total) [1330-20-7]^	0.52	UD	mg/kg dry	446	0.52	1.0	5L08017	EPA 8260B	12/08/15 18:25	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-8 1-1.2	**Lab Sample ID:**	C514952-13	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 17:25	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	85.62

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.073	0.893	0.0521	141 %	71-126	5L08017	EPA 8260B	12/08/15 18:25	KKW	QS-06
4-Bromofluorobenzene	0.073	0.893	0.0521	141 %	71-126	5L08017	EPA 8260B	12/08/15 18:25	KKW	QS-06
4-Bromofluorobenzene	0.058	0.893	0.0521	112 %	71-126	5L08025	EPA 8260B	12/09/15 13:41	JAJ	
Dibromofluoromethane	0.056	0.893	0.0521	108 %	72-133	5L08017	EPA 8260B	12/08/15 18:25	KKW	
Dibromofluoromethane	0.056	0.893	0.0521	108 %	72-133	5L08017	EPA 8260B	12/08/15 18:25	KKW	
Dibromofluoromethane	0.048	0.893	0.0521	91 %	72-133	5L08025	EPA 8260B	12/09/15 13:41	JAJ	
Toluene-d8	0.057	0.893	0.0521	110 %	80-123	5L08017	EPA 8260B	12/08/15 18:25	KKW	
Toluene-d8	0.057	0.893	0.0521	110 %	80-123	5L08017	EPA 8260B	12/08/15 18:25	KKW	
Toluene-d8	0.049	0.893	0.0521	93 %	80-123	5L08025	EPA 8260B	12/09/15 13:41	JAJ	

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ANALYTICAL RESULTS

Description: SB-9 0-1	**Lab Sample ID:** C514952-14	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:35	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 79.26

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.034	U	mg/kg dry	1	0.034	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2,4-Dichlorophenol [120-83-2]^	0.030	U	mg/kg dry	1	0.030	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2,4-Dimethylphenol [105-67-9]^	0.054	U	mg/kg dry	1	0.054	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2,4-Dinitrophenol [51-28-5]^	0.054	U	mg/kg dry	1	0.054	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.039	U	mg/kg dry	1	0.039	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Chloronaphthalene [91-58-7]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Chlorophenol [95-57-8]^	0.032	U	mg/kg dry	1	0.032	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Methylnaphthalene [91-57-6]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Methylphenol [95-48-7]^	0.032	U	mg/kg dry	1	0.032	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
2-Nitrophenol [88-75-5]^	0.039	U	mg/kg dry	1	0.039	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.033	U	mg/kg dry	1	0.033	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.034	U	mg/kg dry	1	0.034	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
4-Chloroaniline [106-47-8]^	0.12	U	mg/kg dry	1	0.12	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.033	U	mg/kg dry	1	0.033	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
4-Nitrophenol [100-02-7]^	0.039	U	mg/kg dry	1	0.039	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Acenaphthene [83-32-9]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Acenaphthylene [208-96-8]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Anthracene [120-12-7]^	0.048	U	mg/kg dry	1	0.048	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzo(a)anthracene [56-55-3]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzo(a)pyrene [50-32-8]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.023	U	mg/kg dry	1	0.023	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.059	U	mg/kg dry	1	0.059	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzoic acid [65-85-0]^	0.19	U	mg/kg dry	1	0.19	2.1	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Benzyl alcohol [100-51-6]^	0.029	U	mg/kg dry	1	0.029	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.032	U	mg/kg dry	1	0.032	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.054	U	mg/kg dry	1	0.054	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.030	U	mg/kg dry	1	0.030	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.044	U	mg/kg dry	1	0.044	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Butylbenzylphthalate [85-68-7]^	0.050	U	mg/kg dry	1	0.050	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Chrysene [218-01-9]^	0.038	U	mg/kg dry	1	0.038	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.064	U	mg/kg dry	1	0.064	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Dibenzofuran [132-64-9]^	0.034	U	mg/kg dry	1	0.034	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Diethylphthalate [84-66-2]^	0.035	U	mg/kg dry	1	0.035	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Dimethylphthalate [131-11-3]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Di-n-butylphthalate [84-74-2]^	0.052	U	mg/kg dry	1	0.052	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Di-n-octylphthalate [117-84-0]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
DPH (as Azobenzene) [103-33-3]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Fluoranthene [206-44-0]^	0.045	U	mg/kg dry	1	0.045	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Fluorene [86-73-7]^	0.037	U	mg/kg dry	1	0.037	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Hexachlorobenzene [118-74-1]^	0.033	U	mg/kg dry	1	0.033	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Hexachlorobutadiene [87-68-3]^	0.033	U	mg/kg dry	1	0.033	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.049	U	mg/kg dry	1	0.049	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	

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ANALYTICAL RESULTS

Description: SB-9 0-1	**Lab Sample ID:** C514952-14	**Received:** 12/02/15 08:20
Matrix: Soil	**Sampled:** 12/01/15 17:35	**Work Order:** C514952
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 79.26

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.026	U	mg/kg dry	1	0.026	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.059	U	mg/kg dry	1	0.059	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Isophorone [78-59-1]^	0.038	U	mg/kg dry	1	0.038	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Nitrobenzene [98-95-3]^	0.033	U	mg/kg dry	1	0.033	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.026	U	mg/kg dry	1	0.026	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.10	U	mg/kg dry	1	0.10	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.068	U	mg/kg dry	1	0.068	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Pentachlorophenol [87-86-5]^	0.042	U	mg/kg dry	1	0.042	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Phenanthrene [85-01-8]^	0.034	U	mg/kg dry	1	0.034	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Phenol [108-95-2]^	0.028	U	mg/kg dry	1	0.028	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	
Pyrene [129-00-0]^	0.048	U	mg/kg dry	1	0.048	0.42	5L02028	EPA 8270D	12/08/15 15:58	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*1*	*4.21*	*81 %*	*28-130*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*2.10*	*82 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	
2-Fluorophenol	*2.9*	*1*	*4.21*	*70 %*	*49-126*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.10*	*74 %*	*50-117*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	
Phenol-d5	*3.2*	*1*	*4.21*	*77 %*	*56-120*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	
Terphenyl-d14	*1.5*	*1*	*2.10*	*69 %*	*36-151*	*5L02028*	*EPA 8270D*	*12/08/15 15:58*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L02028	EPA 8270D	12/08/15 15:58	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**79**		% by Weight	1	0.1	0.1	5L02041	% Solids	12/02/15 14:56	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.076	UD	mg/kg dry	172	0.076	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,1,2,2-Tetrachloroethane [79-34-5]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,1,2-Trichloroethane [79-00-5]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,1-Dichloroethane [75-34-3]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,1-Dichloroethene [75-35-4]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,1-Dichloropropene [563-58-6]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2,3-Trichlorobenzene [87-61-6]^	0.20	UD	mg/kg dry	172	0.20	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	QL-02, R-01
1,2,3-Trichloropropane [96-18-4]^	0.83	UD	mg/kg dry	172	0.83	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2,4-Trichlorobenzene [120-82-1]^	0.18	UD	mg/kg dry	172	0.18	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2,4-Trimethylbenzene [95-63-6]^	**0.25**	D	mg/kg dry	172	0.15	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2-Dibromoethane [106-93-4]^	0.15	UD	mg/kg dry	172	0.15	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2-Dichlorobenzene [95-50-1]^	0.096	UD	mg/kg dry	172	0.096	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2-Dichloroethane [107-06-2]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,2-Dichloropropane [78-87-5]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-9 0-1	**Lab Sample ID:**	C514952-14	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 17:35	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	79.26

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3,5-Trimethylbenzene [108-67-8]^	**0.13**	JD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,3-Dichlorobenzene [541-73-1]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,3-Dichloropropane [142-28-9]^	0.11	UD	mg/kg dry	172	0.11	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
1,4-Dichlorobenzene [106-46-7]^	0.098	UD	mg/kg dry	172	0.098	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
2,2-Dichloropropane [594-20-7]^	0.087	UD	mg/kg dry	172	0.087	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
2-Butanone [78-93-3]^	0.44	UD	mg/kg dry	172	0.44	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
2-Chlorotoluene [95-49-8]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
2-Hexanone [591-78-6]^	0.74	UD	mg/kg dry	172	0.74	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
4-Chlorotoluene [106-43-4]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
4-Isopropyltoluene [99-87-6]^	0.17	UD	mg/kg dry	172	0.17	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
4-Methyl-2-pentanone [108-10-1]^	0.78	UD	mg/kg dry	172	0.78	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Acetone [67-64-1]^	0.83	UD	mg/kg dry	172	0.83	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Benzene [71-43-2]^	0.087	UD	mg/kg dry	172	0.087	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Bromobenzene [108-86-1]^	0.087	UD	mg/kg dry	172	0.087	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Bromochloromethane [74-97-5]^	0.16	UD	mg/kg dry	172	0.16	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Bromodichloromethane [75-27-4]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Bromoform [75-25-2]^	0.11	UD	mg/kg dry	172	0.11	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Bromomethane [74-83-9]^	0.20	UD	mg/kg dry	172	0.20	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Carbon Tetrachloride [56-23-5]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Chlorobenzene [108-90-7]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Chloroethane [75-00-3]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Chloroform [67-66-3]^	0.094	UD	mg/kg dry	172	0.094	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Chloromethane [74-87-3]^	0.14	UD	mg/kg dry	172	0.14	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
cis-1,2-Dichloroethene [156-59-2]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
cis-1,3-Dichloropropene [10061-01-5]^	0.091	UD	mg/kg dry	172	0.091	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Dibromochloromethane [124-48-1]^	0.11	UD	mg/kg dry	172	0.11	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Dichlorodifluoromethane [75-71-8]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Ethylbenzene [100-41-4]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Isopropyl Ether [108-20-3]	0.087	UD	mg/kg dry	172	0.087	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Isopropylbenzene [98-82-8]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Methylene Chloride [75-09-2]^	**0.83**	JD	mg/kg dry	172	0.44	1.1	5L08025	EPA 8260B	12/09/15 14:11	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.059	UD	mg/kg dry	172	0.059	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Naphthalene [91-20-3]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
n-Butyl Benzene [104-51-8]^	0.20	UD	mg/kg dry	172	0.20	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
n-Propyl Benzene [103-65-1]^	0.14	UD	mg/kg dry	172	0.14	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
sec-Butylbenzene [135-98-8]^	0.14	UD	mg/kg dry	172	0.14	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Styrene [100-42-5]^	0.096	UD	mg/kg dry	172	0.096	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
tert-Butylbenzene [98-06-6]^	0.13	UD	mg/kg dry	172	0.13	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Tetrachloroethene [127-18-4]^	0.11	UD	mg/kg dry	172	0.11	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Toluene [108-88-3]^	0.10	UD	mg/kg dry	172	0.10	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
trans-1,2-Dichloroethene [156-60-5]^	0.15	UD	mg/kg dry	172	0.15	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
trans-1,3-Dichloropropene [10061-02-6]^	0.094	UD	mg/kg dry	172	0.094	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Trichloroethene [79-01-6]^	0.11	UD	mg/kg dry	172	0.11	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Trichlorofluoromethane [75-69-4]^	0.12	UD	mg/kg dry	172	0.12	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Vinyl acetate [108-05-4]^	0.059	UD	mg/kg dry	172	0.059	1.1	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Vinyl chloride [75-01-4]^	0.096	UD	mg/kg dry	172	0.096	0.22	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01
Xylenes (Total) [1330-20-7]^	0.22	UD	mg/kg dry	172	0.22	0.44	5L08017	EPA 8260B	12/08/15 18:56	KKW	R-01

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ANALYTICAL RESULTS

Description:	SB-9 0-1	**Lab Sample ID:**	C514952-14	**Received:**	12/02/15 08:20
Matrix:	Soil	**Sampled:**	12/01/15 17:35	**Work Order:**	C514952
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	79.26

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.12	1.72	0.109	114 %	71-126	5L08017	EPA 8260B	12/08/15 18:56	KKW	
4-Bromofluorobenzene	0.12	1.72	0.109	114 %	71-126	5L08017	EPA 8260B	12/08/15 18:56	KKW	
4-Bromofluorobenzene	0.10	1.72	0.109	93 %	71-126	5L08025	EPA 8260B	12/09/15 14:11	JAJ	
Dibromofluoromethane	0.12	1.72	0.109	110 %	72-133	5L08017	EPA 8260B	12/08/15 18:56	KKW	
Dibromofluoromethane	0.12	1.72	0.109	110 %	72-133	5L08017	EPA 8260B	12/08/15 18:56	KKW	
Dibromofluoromethane	0.096	1.72	0.109	89 %	72-133	5L08025	EPA 8260B	12/09/15 14:11	JAJ	
Toluene-d8	0.12	1.72	0.109	111 %	80-123	5L08017	EPA 8260B	12/08/15 18:56	KKW	
Toluene-d8	0.12	1.72	0.109	111 %	80-123	5L08017	EPA 8260B	12/08/15 18:56	KKW	
Toluene-d8	0.10	1.72	0.109	92 %	80-123	5L08025	EPA 8260B	12/09/15 14:11	JAJ	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS

Blank (5L02028-BLK1) Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							
Benzyl alcohol	0.023	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

Blank (5L02028-BLK1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
DPH (as Azobenzene)	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

Blank (5L02028-BLK1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Tribromophenol	*2.5*			*mg/kg wet*	*3.33*		*75*	*28-130*			
2-Fluorobiphenyl	*1.5*			*mg/kg wet*	*1.67*		*93*	*56-120*			
2-Fluorophenol	*2.5*			*mg/kg wet*	*3.33*		*74*	*49-126*			
Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*83*	*50-117*			
Phenol-d5	*2.6*			*mg/kg wet*	*3.33*		*79*	*56-120*			
Terphenyl-d14	*1.4*			*mg/kg wet*	*1.67*		*84*	*36-151*			

LCS (5L02028-BS1) Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.5		0.33	mg/kg wet	1.67		92	61-121			
2,4-Dichlorophenol	1.4		0.33	mg/kg wet	1.67		87	62-126			
2,4-Dimethylphenol	1.3		0.33	mg/kg wet	1.67		79	39-123			
2,4-Dinitrophenol	1.5		0.33	mg/kg wet	1.67		90	10-192			
2,4-Dinitrotoluene	1.5		0.33	mg/kg wet	1.67		87	63-127			
2,6-Dinitrotoluene	1.5		0.33	mg/kg wet	1.67		87	56-118			
2-Chloronaphthalene	1.4		0.33	mg/kg wet	1.67		87	48-95			
2-Chlorophenol	1.4		0.33	mg/kg wet	1.67		86	56-120			
2-Methyl-4,6-dinitrophenol	1.5		0.33	mg/kg wet	1.67		92	31-164			
2-Methylnaphthalene	1.5		0.33	mg/kg wet	1.67		88	61-128			
2-Methylphenol	1.5		0.33	mg/kg wet	1.67		88	57-123			
2-Nitrophenol	1.4		0.33	mg/kg wet	1.67		81	50-123			
3 & 4-Methylphenol	1.4		0.33	mg/kg wet	1.67		83	63-131			
3,3'-Dichlorobenzidine	1.1		0.33	mg/kg wet	1.67		64	63-96			
4-Bromophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		91	52-104			
4-Chloro-3-methylphenol	1.5		0.33	mg/kg wet	1.67		87	59-121			
4-Chloroaniline	0.72		0.33	mg/kg wet	1.67		43	33-86			
4-Chlorophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		88	62-125			
4-Nitrophenol	1.5		0.33	mg/kg wet	1.67		92	73-147			
Acenaphthene	1.5		0.33	mg/kg wet	1.67		87	64-131			
Acenaphthylene	1.4		0.33	mg/kg wet	1.67		86	65-141			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

LCS (5L02028-BS1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Anthracene	1.4		0.33	mg/kg wet	1.67		86	63-146			
Benzo(a)anthracene	1.5		0.33	mg/kg wet	1.67		91	58-137			
Benzo(a)pyrene	1.5		0.33	mg/kg wet	1.67		89	60-137			
Benzo(b)fluoranthene	1.4		0.33	mg/kg wet	1.67		83	44-173			
Benzo(g,h,i)perylene	1.7		0.33	mg/kg wet	1.67		100	42-154			
Benzo(k)fluoranthene	1.6		0.33	mg/kg wet	1.67		94	58-144			
Benzoic acid	1.3	J	1.7	mg/kg wet	1.67		76	10-200			
Benzyl alcohol	1.5		0.33	mg/kg wet	1.67		90	19-183			
Bis(2-chloroethoxy)methane	1.4		0.33	mg/kg wet	1.67		87	57-134			
Bis(2-chloroethyl)ether	1.5		0.33	mg/kg wet	1.67		91	44-114			
Bis(2-chloroisopropyl)ether	1.5		0.33	mg/kg wet	1.67		89	48-118			
Bis(2-ethylhexyl)phthalate	1.5		0.33	mg/kg wet	1.67		90	42-147			
Butylbenzylphthalate	1.5		0.33	mg/kg wet	1.67		88	10-193			
Chrysene	1.5		0.33	mg/kg wet	1.67		88	63-143			
Dibenzo(a,h)anthracene	1.6		0.33	mg/kg wet	1.67		99	50-150			
Dibenzofuran	1.5		0.33	mg/kg wet	1.67		89	65-122			
Diethylphthalate	1.5		0.33	mg/kg wet	1.67		87	65-128			
Dimethylphthalate	1.5		0.33	mg/kg wet	1.67		91	63-124			
Di-n-butylphthalate	1.5		0.33	mg/kg wet	1.67		89	63-133			
Di-n-octylphthalate	1.6		0.33	mg/kg wet	1.67		93	54-142			
DPH (as Azobenzene)	1.5		0.33	mg/kg wet	1.67		88	75-125			
Fluoranthene	1.5		0.33	mg/kg wet	1.67		88	67-152			
Fluorene	1.4		0.33	mg/kg wet	1.67		85	68-135			
Hexachlorobenzene	1.5		0.33	mg/kg wet	1.67		92	60-120			
Hexachlorobutadiene	1.4		0.33	mg/kg wet	1.67		85	55-136			
Hexachlorocyclopentadiene	1.5		0.33	mg/kg wet	1.67		88	24-132			
Hexachloroethane	1.4		0.33	mg/kg wet	1.67		82	47-117			
Indeno(1,2,3-cd)pyrene	1.6		0.33	mg/kg wet	1.67		99	47-153			
Isophorone	1.5		0.33	mg/kg wet	1.67		89	61-135			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

LCS (5L02028-BS1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrobenzene	1.4		0.33	mg/kg wet	1.67		84	49-122			
N-Nitrosodimethylamine	1.4		0.33	mg/kg wet	1.67		85	36-117			
N-Nitroso-di-n-propylamine	1.5		0.33	mg/kg wet	1.67		90	55-135			
Pentachlorophenol	1.5		0.33	mg/kg wet	1.67		91	45-117			
Phenanthrene	1.5		0.33	mg/kg wet	1.67		90	62-137			
Phenol	1.4		0.33	mg/kg wet	1.67		84	54-121			
Pyrene	1.5		0.33	mg/kg wet	1.67		91	65-146			
2,4,6-Tribromophenol	*2.8*			*mg/kg wet*	*3.33*		*83*	*28-130*			
2-Fluorobiphenyl	*1.5*			*mg/kg wet*	*1.67*		*89*	*56-120*			
2-Fluorophenol	*2.5*			*mg/kg wet*	*3.33*		*75*	*49-126*			
Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*85*	*50-117*			
Phenol-d5	*2.7*			*mg/kg wet*	*3.33*		*81*	*56-120*			
Terphenyl-d14	*1.5*			*mg/kg wet*	*1.67*		*88*	*36-151*			

Matrix Spike (5L02028-MS1) Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 14:35

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.8		0.40	mg/kg dry	2.01	0.033 U	88	61-121			
2,4-Dichlorophenol	1.7		0.40	mg/kg dry	2.01	0.029 U	85	62-126			
2,4-Dimethylphenol	1.7		0.40	mg/kg dry	2.01	0.052 U	83	39-123			
2,4-Dinitrophenol	1.2		0.40	mg/kg dry	2.01	0.052 U	61	10-192			
2,4-Dinitrotoluene	1.8		0.40	mg/kg dry	2.01	0.034 U	88	63-127			
2,6-Dinitrotoluene	1.8		0.40	mg/kg dry	2.01	0.037 U	88	56-118			
2-Chloronaphthalene	1.7		0.40	mg/kg dry	2.01	0.034 U	86	49-95			
2-Chlorophenol	1.7		0.40	mg/kg dry	2.01	0.030 U	86	56-120			
2-Methyl-4,6-dinitrophenol	1.7		0.40	mg/kg dry	2.01	0.040 U	83	31-164			
2-Methylnaphthalene	1.8		0.40	mg/kg dry	2.01	0.034 U	90	61-128			
2-Methylphenol	1.8		0.40	mg/kg dry	2.01	0.030 U	88	57-123			
2-Nitrophenol	1.6		0.40	mg/kg dry	2.01	0.037 U	78	50-123			
3 & 4-Methylphenol	1.6		0.40	mg/kg dry	2.01	0.031 U	81	63-131			
3,3'-Dichlorobenzidine	1.9		0.40	mg/kg dry	2.01	0.12 U	94	63-96			
4-Bromophenyl-phenylether	1.8		0.40	mg/kg dry	2.01	0.033 U	90	52-104			
4-Chloro-3-methylphenol	1.7		0.40	mg/kg dry	2.01	0.040 U	87	59-121			
4-Chloroaniline	1.3		0.40	mg/kg dry	2.01	0.11 U	63	33-86			
4-Chlorophenyl-phenylether	1.7		0.40	mg/kg dry	2.01	0.031 U	86	62-125			
4-Nitrophenol	1.7		0.40	mg/kg dry	2.01	0.037 U	86	73-147			
Acenaphthene	1.7		0.40	mg/kg dry	2.01	0.034 U	84	64-131			
Acenaphthylene	1.7		0.40	mg/kg dry	2.01	0.034 U	86	65-141			
Anthracene	1.7		0.40	mg/kg dry	2.01	0.046 U	86	63-146			
Benzo(a)anthracene	1.8		0.40	mg/kg dry	2.01	0.034 U	90	58-137			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

Matrix Spike (5L02028-MS1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 14:35

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(a)pyrene	1.8		0.40	mg/kg dry	2.01	0.040 U	90	60-137			
Benzo(b)fluoranthene	1.7		0.40	mg/kg dry	2.01	0.022 U	87	44-173			
Benzo(g,h,i)perylene	2.1		0.40	mg/kg dry	2.01	0.057 U	105	42-154			
Benzo(k)fluoranthene	1.8		0.40	mg/kg dry	2.01	0.040 U	91	58-144			
Benzoic acid	0.37	J	2.1	mg/kg dry	2.01	0.18 U	18	10-200			
Benzyl alcohol	1.8		0.40	mg/kg dry	2.01	0.028 U	89	19-183			
Bis(2-chloroethoxy)methane	1.8		0.40	mg/kg dry	2.01	0.030 U	89	57-134			
Bis(2-chloroethyl)ether	1.8		0.40	mg/kg dry	2.01	0.052 U	90	44-114			
Bis(2-chloroisopropyl)ether	1.9		0.40	mg/kg dry	2.01	0.029 U	92	48-118			
Bis(2-ethylhexyl)phthalate	1.8		0.40	mg/kg dry	2.01	0.042 U	91	42-147			
Butylbenzylphthalate	1.9		0.40	mg/kg dry	2.01	0.048 U	93	10-193			
Chrysene	1.8		0.40	mg/kg dry	2.01	0.036 U	90	63-143			
Dibenzo(a,h)anthracene	2.1		0.40	mg/kg dry	2.01	0.062 U	102	50-150			
Dibenzofuran	1.8		0.40	mg/kg dry	2.01	0.033 U	87	65-122			
Diethylphthalate	1.8		0.40	mg/kg dry	2.01	0.034 U	90	65-128			
Dimethylphthalate	1.8		0.40	mg/kg dry	2.01	0.040 U	89	63-124			
Di-n-butylphthalate	1.8		0.40	mg/kg dry	2.01	0.050 U	90	63-133			
Di-n-octylphthalate	1.9		0.40	mg/kg dry	2.01	0.040 U	93	54-142			
DPH (as Azobenzene)	1.8		0.40	mg/kg dry	2.01	0.040 U	88	75-125			
Fluoranthene	1.8		0.40	mg/kg dry	2.01	0.044 U	88	67-152			
Fluorene	1.7		0.40	mg/kg dry	2.01	0.035 U	84	68-135			
Hexachlorobenzene	1.9		0.40	mg/kg dry	2.01	0.031 U	93	60-120			
Hexachlorobutadiene	1.8		0.40	mg/kg dry	2.01	0.031 U	88	55-136			
Hexachlorocyclopentadiene	1.6		0.40	mg/kg dry	2.01	0.047 U	80	24-132			
Hexachloroethane	1.7		0.40	mg/kg dry	2.01	0.025 U	84	47-117			
Indeno(1,2,3-cd)pyrene	2.1		0.40	mg/kg dry	2.01	0.057 U	102	47-153			
Isophorone	1.8		0.40	mg/kg dry	2.01	0.036 U	90	61-135			
Nitrobenzene	1.7		0.40	mg/kg dry	2.01	0.031 U	85	49-122			
N-Nitrosodimethylamine	1.8		0.40	mg/kg dry	2.01	0.025 U	89	36-117			
N-Nitroso-di-n-propylamine	1.8		0.40	mg/kg dry	2.01	0.098 U	90	55-135			
Pentachlorophenol	1.8		0.40	mg/kg dry	2.01	0.040 U	89	45-117			
Phenanthrene	1.8		0.40	mg/kg dry	2.01	0.033 U	90	62-137			
Phenol	1.7		0.40	mg/kg dry	2.01	0.027 U	84	54-121			
Pyrene	1.8		0.40	mg/kg dry	2.01	0.046 U	92	65-146			
2,4,6-Tribromophenol	*3.3*			*mg/kg dry*	*4.03*		*82*	*28-130*			
2-Fluorobiphenyl	*1.7*			*mg/kg dry*	*2.01*		*85*	*56-120*			
2-Fluorophenol	*3.1*			*mg/kg dry*	*4.03*		*77*	*49-126*			
Nitrobenzene-d5	*1.8*			*mg/kg dry*	*2.01*		*87*	*50-117*			
Phenol-d5	*3.2*			*mg/kg dry*	*4.03*		*80*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg dry*	*2.01*		*86*	*36-151*			

Matrix Spike Dup (5L02028-MSD1) Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 15:03

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.9		0.40	mg/kg dry	2.01	0.033 U	93	61-121	5	11	
2,4-Dichlorophenol	1.8		0.40	mg/kg dry	2.01	0.029 U	92	62-126	8	10	
2,4-Dimethylphenol	1.8		0.40	mg/kg dry	2.01	0.052 U	88	39-123	6	11	
2,4-Dinitrophenol	1.7		0.40	mg/kg dry	2.01	0.052 U	84	10-192	32	22	QR-02
2,4-Dinitrotoluene	2.0		0.40	mg/kg dry	2.01	0.034 U	97	63-127	10	10	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

Matrix Spike Dup (5L02028-MSD1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 15:03

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,6-Dinitrotoluene	2.0		0.40	mg/kg dry	2.01	0.037 U	97	56-118	10	10	
2-Chloronaphthalene	1.8		0.40	mg/kg dry	2.01	0.034 U	89	49-95	4	11	
2-Chlorophenol	1.8		0.40	mg/kg dry	2.01	0.030 U	89	56-120	4	11	
2-Methyl-4,6-dinitrophenol	1.9		0.40	mg/kg dry	2.01	0.040 U	96	31-164	15	12	QR-02
2-Methylnaphthalene	1.9		0.40	mg/kg dry	2.01	0.034 U	93	61-128	3	20	
2-Methylphenol	1.8		0.40	mg/kg dry	2.01	0.030 U	91	57-123	3	18	
2-Nitrophenol	1.7		0.40	mg/kg dry	2.01	0.037 U	84	50-123	7	12	
3 & 4-Methylphenol	1.8		0.40	mg/kg dry	2.01	0.031 U	90	63-131	10	12	
3,3'-Dichlorobenzidine	1.9		0.40	mg/kg dry	2.01	0.12 U	95	63-96	0.8	10	
4-Bromophenyl-phenylether	1.8		0.40	mg/kg dry	2.01	0.033 U	92	52-104	2	10	
4-Chloro-3-methylphenol	1.9		0.40	mg/kg dry	2.01	0.040 U	94	59-121	8	10	
4-Chloroaniline	1.4		0.40	mg/kg dry	2.01	0.11 U	69	33-86	8	50	
4-Chlorophenyl-phenylether	1.9		0.40	mg/kg dry	2.01	0.031 U	92	62-125	7	10	
4-Nitrophenol	2.2		0.40	mg/kg dry	2.01	0.037 U	107	73-147	22	10	QM-11
Acenaphthene	1.8		0.40	mg/kg dry	2.01	0.034 U	89	64-131	6	19	
Acenaphthylene	1.8		0.40	mg/kg dry	2.01	0.034 U	90	65-141	5	21	
Anthracene	1.8		0.40	mg/kg dry	2.01	0.046 U	91	63-146	6	22	
Benzo(a)anthracene	1.9		0.40	mg/kg dry	2.01	0.034 U	94	58-137	5	50	
Benzo(a)pyrene	1.9		0.40	mg/kg dry	2.01	0.040 U	94	60-137	4	50	
Benzo(b)fluoranthene	1.8		0.40	mg/kg dry	2.01	0.022 U	89	44-173	3	50	
Benzo(g,h,i)perylene	1.9		0.40	mg/kg dry	2.01	0.057 U	94	42-154	11	50	
Benzo(k)fluoranthene	2.0		0.40	mg/kg dry	2.01	0.040 U	99	58-144	9	50	
Benzoic acid	0.51	J	2.1	mg/kg dry	2.01	0.18 U	26	10-200	32	25	QR-02
Benzyl alcohol	1.9		0.40	mg/kg dry	2.01	0.028 U	96	19-183	7	18	
Bis(2-chloroethoxy)methane	1.8		0.40	mg/kg dry	2.01	0.030 U	90	57-134	0.6	12	
Bis(2-chloroethyl)ether	1.9		0.40	mg/kg dry	2.01	0.052 U	94	44-114	4	14	
Bis(2-chloroisopropyl)ether	1.9		0.40	mg/kg dry	2.01	0.029 U	93	48-118	0.8	14	
Bis(2-ethylhexyl)phthalate	1.9		0.40	mg/kg dry	2.01	0.042 U	94	42-147	3	10	
Butylbenzylphthalate	1.8		0.40	mg/kg dry	2.01	0.048 U	87	10-193	6	16	
Chrysene	1.8		0.40	mg/kg dry	2.01	0.036 U	89	63-143	1	50	
Dibenzo(a,h)anthracene	1.9		0.40	mg/kg dry	2.01	0.062 U	95	50-150	7	50	
Dibenzofuran	1.9		0.40	mg/kg dry	2.01	0.033 U	94	65-122	7	10	
Diethylphthalate	1.9		0.40	mg/kg dry	2.01	0.034 U	94	65-128	4	10	
Dimethylphthalate	1.9		0.40	mg/kg dry	2.01	0.040 U	94	63-124	6	10	
Di-n-butylphthalate	1.8		0.40	mg/kg dry	2.01	0.050 U	88	63-133	2	10	
Di-n-octylphthalate	1.9		0.40	mg/kg dry	2.01	0.040 U	92	54-142	1	10	
DPH (as Azobenzene)	1.9		0.40	mg/kg dry	2.01	0.040 U	94	75-125	6	25	
Fluoranthene	1.8		0.40	mg/kg dry	2.01	0.044 U	91	67-152	3	50	
Fluorene	1.8		0.40	mg/kg dry	2.01	0.035 U	91	68-135	8	20	
Hexachlorobenzene	1.8		0.40	mg/kg dry	2.01	0.031 U	91	60-120	2	10	
Hexachlorobutadiene	1.8		0.40	mg/kg dry	2.01	0.031 U	87	55-136	2	12	
Hexachlorocyclopentadiene	1.7		0.40	mg/kg dry	2.01	0.047 U	87	24-132	8	16	
Hexachloroethane	1.7		0.40	mg/kg dry	2.01	0.025 U	85	47-117	0.8	13	
Indeno(1,2,3-cd)pyrene	1.9		0.40	mg/kg dry	2.01	0.057 U	95	47-153	7	50	
Isophorone	1.8		0.40	mg/kg dry	2.01	0.036 U	91	61-135	0.5	10	
Nitrobenzene	1.8		0.40	mg/kg dry	2.01	0.031 U	88	49-122	3	11	
N-Nitrosodimethylamine	1.8		0.40	mg/kg dry	2.01	0.025 U	87	36-117	1	11	
N-Nitroso-di-n-propylamine	1.9		0.40	mg/kg dry	2.01	0.098 U	95	55-135	5	10	
Pentachlorophenol	2.0		0.40	mg/kg dry	2.01	0.040 U	98	45-117	9	10	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS - Continued

Matrix Spike Dup (5L02028-MSD1) Continued Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 15:03

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenanthrene	1.8		0.40	mg/kg dry	2.01	0.033 U	90	62-137	0.07	50	
Phenol	1.8		0.40	mg/kg dry	2.01	0.027 U	90	54-121	7	13	
Pyrene	1.8		0.40	mg/kg dry	2.01	0.046 U	90	65-146	2	50	
2,4,6-Tribromophenol	*3.7*			*mg/kg dry*	*4.03*		*92*	*28-130*			
2-Fluorobiphenyl	*1.7*			*mg/kg dry*	*2.01*		*85*	*56-120*			
2-Fluorophenol	*3.1*			*mg/kg dry*	*4.03*		*77*	*49-126*			
Nitrobenzene-d5	*1.8*			*mg/kg dry*	*2.01*		*88*	*50-117*			
Phenol-d5	*3.4*			*mg/kg dry*	*4.03*		*84*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg dry*	*2.01*		*84*	*36-151*			

Tentatively Identified Compounds by Semivolatile GCMS - Quality Control

Batch 5L02028 - EPA 3550C_MS

Blank (5L02028-BLK1) Prepared: 12/02/2015 12:40 Analyzed: 12/08/2015 12:18

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		mg/kg wet							

Classical Chemistry Parameters - Quality Control

Batch 5L02041 - % Solids

Duplicate (5L02041-DUP1) Prepared & Analyzed: 12/02/2015 14:56

Source: C514952-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	83		0.1	% by Weight		83			0.3	10	

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS

Blank (5L07015-BLK1) Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 09:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.0005	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.0009	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.0038	U	0.0050	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

Blank (5L07015-BLK1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 09:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.0008	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.0007	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.0007	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.0004	U	0.0010	mg/kg wet							
2-Butanone	0.0020	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.0005	U	0.0010	mg/kg wet							
2-Hexanone	0.0034	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.0006	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.0008	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.0036	U	0.0050	mg/kg wet							
Acetone	0.0038	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromobenzene	0.0004	U	0.0010	mg/kg wet							
Bromochloromethane	0.0008	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

Blank (5L07015-BLK1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 09:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
Isopropyl Ether	0.0004	U	0.0010	mg/kg wet							
Isopropylbenzene	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	0.0020	U	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
Naphthalene	0.0006	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.0009	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.0006	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Styrene	0.0004	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl acetate	0.0003	U	0.0050	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.055*			*mg/kg wet*	*0.0500*		*111*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*117*	*72-133*			
Toluene-d8	*0.055*			*mg/kg wet*	*0.0500*		*110*	*80-123*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

LCS (5L07015-BS1) Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200		99	45-157			
1,1,2,2-Tetrachloroethane	0.022		0.0010	mg/kg wet	0.0200		111	47-151			
1,1,2-Trichloroethane	0.022		0.0010	mg/kg wet	0.0200		109	49-148			
1,1-Dichloroethane	0.022		0.0010	mg/kg wet	0.0200		108	52-148			
1,1-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		99	22-166			
1,1-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		117	49-144			
1,2,3-Trichlorobenzene	0.028		0.0010	mg/kg wet	0.0200		140	39-166			
1,2,3-Trichloropropane	0.022		0.0050	mg/kg wet	0.0200		109	45-150			
1,2,4-Trichlorobenzene	0.024		0.0010	mg/kg wet	0.0200		122	47-155			
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200		104	57-137			
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		100	52-145			
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		102	59-131			
1,2-Dichloroethane	0.020		0.0010	mg/kg wet	0.0200		100	39-162			
1,2-Dichloropropane	0.020		0.0010	mg/kg wet	0.0200		102	52-139			
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		99	57-134			
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		100	60-131			
1,3-Dichloropropane	0.020		0.0010	mg/kg wet	0.0200		99	45-154			
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		98	61-135			
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200		108	46-150			
2-Butanone	0.15		0.0050	mg/kg wet	0.100		153	10-180			
2-Chlorotoluene	0.021		0.0010	mg/kg wet	0.0200		103	55-135			
2-Hexanone	0.11		0.0050	mg/kg wet	0.100		114	43-177			
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		100	59-135			
4-Isopropyltoluene	0.020		0.0010	mg/kg wet	0.0200		100	65-154			
4-Methyl-2-pentanone	0.11		0.0050	mg/kg wet	0.100		109	31-174			
Acetone	0.16		0.0050	mg/kg wet	0.100		158	21-180			
Benzene	0.021		0.0010	mg/kg wet	0.0200		103	49-142			
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		92	49-157			
Bromochloromethane	0.022		0.0010	mg/kg wet	0.0200		110	47-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

LCS (5L07015-BS1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200		107	45-146			
Bromoform	0.022		0.0010	mg/kg wet	0.0200		112	40-155			
Bromomethane	0.012		0.0010	mg/kg wet	0.0200		60	10-180			
Carbon Tetrachloride	0.020		0.0010	mg/kg wet	0.0200		98	43-163			
Chlorobenzene	0.019		0.0010	mg/kg wet	0.0200		94	45-147			
Chloroethane	0.022		0.0010	mg/kg wet	0.0200		108	10-180			
Chloroform	0.021		0.0010	mg/kg wet	0.0200		107	48-148			
Chloromethane	0.020		0.0010	mg/kg wet	0.0200		102	38-160			
cis-1,2-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		101	48-137			
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		106	54-140			
Dibromochloromethane	0.022		0.0010	mg/kg wet	0.0200		109	44-149			
Dichlorodifluoromethane	0.017		0.0010	mg/kg wet	0.0200		83	15-180			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		93	54-139			
Isopropyl Ether	0.025		0.0010	mg/kg wet	0.0200		124	10-161			
Isopropylbenzene	0.019		0.0010	mg/kg wet	0.0200		95	55-137			
Methylene Chloride	0.018		0.0050	mg/kg wet	0.0200		90	28-152			
Methyl-tert-Butyl Ether	0.024		0.0010	mg/kg wet	0.0200		121	40-153			
Naphthalene	0.038		0.0010	mg/kg wet	0.0200		192	26-180			J-02, QL-02
n-Butyl Benzene	0.020		0.0010	mg/kg wet	0.0200		102	52-148			
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200		99	54-141			
sec-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200		99	61-134			
Styrene	0.020		0.0010	mg/kg wet	0.0200		99	55-139			
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		96	59-134			
Tetrachloroethene	0.018		0.0010	mg/kg wet	0.0200		90	46-163			
Toluene	0.019		0.0010	mg/kg wet	0.0200		94	55-136			
trans-1,2-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	50-138			
trans-1,3-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		116	52-155			
Trichloroethene	0.019		0.0010	mg/kg wet	0.0200		97	51-147			
Trichlorofluoromethane	0.017		0.0010	mg/kg wet	0.0200		87	49-163			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

LCS (5L07015-BS1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl acetate	0.022		0.0050	mg/kg wet	0.0200		109	10-180			
Vinyl chloride	0.020		0.0010	mg/kg wet	0.0200		100	29-158			
Xylenes (Total)	0.056		0.0020	mg/kg wet				0-200			
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*118*	*72-133*			
Toluene-d8	*0.055*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

LCS Dup (5L07015-BSD1) Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		107	45-157	8	27	
1,1,2,2-Tetrachloroethane	0.022		0.0010	mg/kg wet	0.0200		109	47-151	2	27	
1,1,2-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		103	49-148	5	28	
1,1-Dichloroethane	0.022		0.0010	mg/kg wet	0.0200		111	52-148	2	37	
1,1-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		106	22-166	6	23	
1,1-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200		119	49-144	2	42	
1,2,3-Trichlorobenzene	0.028		0.0010	mg/kg wet	0.0200		142	39-166	1	41	
1,2,3-Trichloropropane	0.022		0.0050	mg/kg wet	0.0200		110	45-150	0.8	27	
1,2,4-Trichlorobenzene	0.024		0.0010	mg/kg wet	0.0200		118	47-155	3	43	
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200		103	57-137	1	33	
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		102	52-145	2	36	
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		101	59-131	1	35	
1,2-Dichloroethane	0.020		0.0010	mg/kg wet	0.0200		102	39-162	2	20	
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		103	52-139	1	27	
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		98	57-134	1	28	
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	60-131	0.7	32	
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		97	45-154	2	38	
1,4-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		97	61-135	2	33	
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200		110	46-150	1	28	
2-Butanone	0.15		0.0050	mg/kg wet	0.100		154	10-180	0.5	35	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

LCS Dup (5L07015-BSD1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		102	55-135	0.8	26	
2-Hexanone	0.11		0.0050	mg/kg wet	0.100		114	43-177	0.7	31	
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		98	59-135	2	29	
4-Isopropyltoluene	0.020		0.0010	mg/kg wet	0.0200		100	65-154	0.7	29	
4-Methyl-2-pentanone	0.11		0.0050	mg/kg wet	0.100		114	31-174	4	33	
Acetone	0.17		0.0050	mg/kg wet	0.100		165	21-180	4	50	
Benzene	0.020		0.0010	mg/kg wet	0.0200		101	49-142	2	19	
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		90	49-157	2	33	
Bromochloromethane	0.022		0.0010	mg/kg wet	0.0200		110	47-148	0.7	33	
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200		104	45-146	2	21	
Bromoform	0.022		0.0010	mg/kg wet	0.0200		108	40-155	4	27	
Bromomethane	0.015		0.0010	mg/kg wet	0.0200		73	10-180	18	34	
Carbon Tetrachloride	0.019		0.0010	mg/kg wet	0.0200		94	43-163	4	20	
Chlorobenzene	0.018		0.0010	mg/kg wet	0.0200		92	45-147	2	18	
Chloroethane	0.022		0.0010	mg/kg wet	0.0200		111	10-180	3	49	
Chloroform	0.021		0.0010	mg/kg wet	0.0200		107	48-148	0.3	29	
Chloromethane	0.021		0.0010	mg/kg wet	0.0200		104	38-160	2	30	
cis-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		104	48-137	3	20	
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		103	54-140	2	27	
Dibromochloromethane	0.023		0.0010	mg/kg wet	0.0200		113	44-149	3	25	
Dichlorodifluoromethane	0.016		0.0010	mg/kg wet	0.0200		81	15-180	3	44	
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		94	54-139	0.7	33	
Isopropyl Ether	0.025		0.0010	mg/kg wet	0.0200		124	10-161	0.04	30	
Isopropylbenzene	0.019		0.0010	mg/kg wet	0.0200		95	55-137	0.7	28	
Methylene Chloride	0.019		0.0050	mg/kg wet	0.0200		94	28-152	4	50	
Methyl-tert-Butyl Ether	0.024		0.0010	mg/kg wet	0.0200		118	40-153	2	42	
Naphthalene	0.036		0.0010	mg/kg wet	0.0200		179	26-180	7	44	
n-Butyl Benzene	0.020		0.0010	mg/kg wet	0.0200		100	52-148	2	31	
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200		99	54-141	0.5	32	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L07015 - EPA 5030B_MS - Continued

LCS Dup (5L07015-BSD1) Continued Prepared: 12/07/2015 00:00 Analyzed: 12/07/2015 08:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200		99	61-134	0.05	27	
Styrene	0.019		0.0010	mg/kg wet	0.0200		97	55-139	2	31	
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		94	59-134	2	25	
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200		96	46-163	7	26	
Toluene	0.019		0.0010	mg/kg wet	0.0200		93	55-136	0.9	21	
trans-1,2-Dichloroethene	0.024		0.0010	mg/kg wet	0.0200		118	50-138	1	29	
trans-1,3-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		114	52-155	1	21	
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		98	51-147	0.8	26	
Trichlorofluoromethane	0.017		0.0010	mg/kg wet	0.0200		86	49-163	2	42	
Vinyl acetate	0.021		0.0050	mg/kg wet	0.0200		106	10-180	3	30	
Vinyl chloride	0.020		0.0010	mg/kg wet	0.0200		101	29-158	0.8	23	
Xylenes (Total)	0.057		0.0020	mg/kg wet				0-200	2	200	
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.061*			*mg/kg wet*	*0.0500*		*122*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

Batch 5L08017 - EPA 5030B_MS

Blank (5L08017-BLK1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.0005	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.0009	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.0038	U	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	0.0008	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.0007	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

Blank (5L08017-BLK1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromoethane	0.0007	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.0004	U	0.0010	mg/kg wet							
2-Butanone	0.0020	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.0005	U	0.0010	mg/kg wet							
2-Hexanone	0.0034	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.0006	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.0008	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.0036	U	0.0050	mg/kg wet							
Acetone	0.0038	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromobenzene	0.0004	U	0.0010	mg/kg wet							
Bromochloromethane	0.0008	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

Blank (5L08017-BLK1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
Isopropyl Ether	0.0004	U	0.0010	mg/kg wet							
Isopropylbenzene	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	**0.0027**	**J**	0.0050	mg/kg wet							J-01, O-01
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
Naphthalene	0.0006	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.0009	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.0006	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Styrene	0.0004	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl acetate	0.0003	U	0.0050	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.058*			*mg/kg wet*	*0.0500*		*116*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

LCS (5L08017-BS1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.022		0.0010	mg/kg wet	0.0200		109	45-157			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,2,2-Tetrachloroethane	0.020		0.0010	mg/kg wet	0.0200		102	47-151			
1,1,2-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		103	49-148			
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		115	52-148			
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		113	22-166			
1,1-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200		122	49-144			
1,2,3-Trichlorobenzene	0.036		0.0010	mg/kg wet	0.0200		178	39-166			QL-02
1,2,3-Trichloropropane	0.021		0.0050	mg/kg wet	0.0200		105	45-150			
1,2,4-Trichlorobenzene	0.026		0.0010	mg/kg wet	0.0200		129	47-155			
1,2,4-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		102	57-137			
1,2-Dibromoethane	0.018		0.0010	mg/kg wet	0.0200		92	52-145			
1,2-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		97	59-131			
1,2-Dichloroethane	0.019		0.0010	mg/kg wet	0.0200		97	39-162			
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		103	52-139			
1,3,5-Trimethylbenzene	0.019		0.0010	mg/kg wet	0.0200		97	57-134			
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	60-131			
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		96	45-154			
1,4-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	61-135			
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200		111	46-150			
2-Butanone	0.14		0.0050	mg/kg wet	0.100		138	10-180			
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		100	55-135			
2-Hexanone	0.099		0.0050	mg/kg wet	0.100		99	43-177			
4-Chlorotoluene	0.019		0.0010	mg/kg wet	0.0200		97	59-135			
4-Isopropyltoluene	0.020		0.0010	mg/kg wet	0.0200		101	65-154			
4-Methyl-2-pentanone	0.099		0.0050	mg/kg wet	0.100		99	31-174			
Acetone	0.15		0.0050	mg/kg wet	0.100		147	21-180			
Benzene	0.021		0.0010	mg/kg wet	0.0200		103	49-142			
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		90	49-157			
Bromochloromethane	0.021		0.0010	mg/kg wet	0.0200		103	47-148			
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200		104	45-146			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.020		0.0010	mg/kg wet	0.0200		101	40-155			
Bromomethane	0.014		0.0010	mg/kg wet	0.0200		72	10-180			
Carbon Tetrachloride	0.017		0.0010	mg/kg wet	0.0200		83	43-163			
Chlorobenzene	0.018		0.0010	mg/kg wet	0.0200		92	45-147			
Chloroethane	0.023		0.0010	mg/kg wet	0.0200		117	10-180			
Chloroform	0.021		0.0010	mg/kg wet	0.0200		106	48-148			
Chloromethane	0.023		0.0010	mg/kg wet	0.0200		114	38-160			
cis-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		105	48-137			
cis-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200		102	54-140			
Dibromochloromethane	0.020		0.0010	mg/kg wet	0.0200		102	44-149			
Dichlorodifluoromethane	0.017		0.0010	mg/kg wet	0.0200		86	15-180			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		93	54-139			
Isopropyl Ether	0.024		0.0010	mg/kg wet	0.0200		120	10-161			
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200		98	55-137			
Methylene Chloride	0.023		0.0050	mg/kg wet	0.0200		116	28-152			
Methyl-tert-Butyl Ether	0.022		0.0010	mg/kg wet	0.0200		110	40-153			
Naphthalene	0.040		0.0010	mg/kg wet	0.0200		198	26-180			J-02, QL-02
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200		104	52-148			
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200		101	54-141			
sec-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200		100	61-134			
Styrene	0.020		0.0010	mg/kg wet	0.0200		98	55-139			
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		94	59-134			
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200		96	46-163			
Toluene	0.019		0.0010	mg/kg wet	0.0200		95	55-136			
trans-1,2-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	50-138			
trans-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200		108	52-155			
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		98	51-147			
Trichlorofluoromethane	0.019		0.0010	mg/kg wet	0.0200		95	49-163			
Vinyl acetate	0.019		0.0050	mg/kg wet	0.0200		97	10-180			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl chloride	0.022		0.0010	mg/kg wet	0.0200		109	29-158			
Xylenes (Total)	0.058		0.0020	mg/kg wet				0-200			
4-Bromofluorobenzene	*0.053*			*mg/kg wet*	*0.0500*		*106*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*119*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

LCS Dup (5L08017-BSD1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		107	45-157	2	27	
1,1,2,2-Tetrachloroethane	0.021		0.0010	mg/kg wet	0.0200		104	47-151	2	27	
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200		102	49-148	0.4	28	
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		115	52-148	0.09	37	
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	22-166	3	23	
1,1-Dichloropropene	0.025		0.0010	mg/kg wet	0.0200		125	49-144	3	42	
1,2,3-Trichlorobenzene	0.028		0.0010	mg/kg wet	0.0200		141	39-166	24	41	
1,2,3-Trichloropropane	0.021		0.0050	mg/kg wet	0.0200		107	45-150	2	27	
1,2,4-Trichlorobenzene	0.023		0.0010	mg/kg wet	0.0200		116	47-155	10	43	
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200		103	57-137	1	33	
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		100	52-145	7	36	
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	59-131	2	35	
1,2-Dichloroethane	0.019		0.0010	mg/kg wet	0.0200		94	39-162	3	20	
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		104	52-139	1	27	
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		101	57-134	4	28	
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		98	60-131	0.7	32	
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		97	45-154	0.5	38	
1,4-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	61-135	0.3	33	
2,2-Dichloropropane	0.023		0.0010	mg/kg wet	0.0200		115	46-150	3	28	
2-Butanone	0.15		0.0050	mg/kg wet	0.100		147	10-180	6	35	
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		102	55-135	3	26	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS Dup (5L08017-BSD1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Hexanone	0.10		0.0050	mg/kg wet	0.100		103	43-177	4	31	
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		99	59-135	2	29	
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200		106	65-154	4	29	
4-Methyl-2-pentanone	0.10		0.0050	mg/kg wet	0.100		102	31-174	3	33	
Acetone	0.15		0.0050	mg/kg wet	0.100		150	21-180	2	50	
Benzene	0.021		0.0010	mg/kg wet	0.0200		107	49-142	4	19	
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		89	49-157	0.9	33	
Bromochloromethane	0.021		0.0010	mg/kg wet	0.0200		104	47-148	1	33	
Bromodichloromethane	0.020		0.0010	mg/kg wet	0.0200		102	45-146	1	21	
Bromoform	0.021		0.0010	mg/kg wet	0.0200		105	40-155	4	27	
Bromomethane	0.017		0.0010	mg/kg wet	0.0200		87	10-180	19	34	
Carbon Tetrachloride	0.020		0.0010	mg/kg wet	0.0200		100	43-163	19	20	
Chlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	45-147	4	18	
Chloroethane	0.022		0.0010	mg/kg wet	0.0200		112	10-180	4	49	
Chloroform	0.022		0.0010	mg/kg wet	0.0200		110	48-148	4	29	
Chloromethane	0.023		0.0010	mg/kg wet	0.0200		115	38-160	2	30	
cis-1,2-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		100	48-137	4	20	
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		105	54-140	3	27	
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200		105	44-149	3	25	
Dichlorodifluoromethane	0.017		0.0010	mg/kg wet	0.0200		85	15-180	0.9	44	
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		97	54-139	4	33	
Isopropyl Ether	0.024		0.0010	mg/kg wet	0.0200		122	10-161	0.9	30	
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200		100	55-137	3	28	
Methylene Chloride	0.022		0.0050	mg/kg wet	0.0200		111	28-152	4	50	
Methyl-tert-Butyl Ether	0.023		0.0010	mg/kg wet	0.0200		114	40-153	4	42	
Naphthalene	0.034		0.0010	mg/kg wet	0.0200		169	26-180	16	44	
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200		106	52-148	2	31	
n-Propyl Benzene	0.021		0.0010	mg/kg wet	0.0200		104	54-141	3	32	
sec-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200		103	61-134	3	27	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS Dup (5L08017-BSD1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Styrene	0.020		0.0010	mg/kg wet	0.0200		99	55-139	2	31	
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		96	59-134	3	25	
Tetrachloroethene	0.020		0.0010	mg/kg wet	0.0200		100	46-163	4	26	
Toluene	0.020		0.0010	mg/kg wet	0.0200		98	55-136	3	21	
trans-1,2-Dichloroethene	0.025		0.0010	mg/kg wet	0.0200		125	50-138	6	29	
trans-1,3-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		113	52-155	4	21	
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		99	51-147	1	26	
Trichlorofluoromethane	0.018		0.0010	mg/kg wet	0.0200		92	49-163	4	42	
Vinyl acetate	0.019		0.0050	mg/kg wet	0.0200		97	10-180	0.9	30	
Vinyl chloride	0.022		0.0010	mg/kg wet	0.0200		108	29-158	0.4	23	
Xylenes (Total)	0.059		0.0020	mg/kg wet				0-200	2	200	
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*119*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*113*	*80-123*			

Batch 5L08025 - EPA 5030B_MS

Blank (5L08025-BLK1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.0005	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	**0.0028**		0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.0038	U	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	**0.0017**		0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.0007	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.0007	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

Blank (5L08025-BLK1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	**0.0004**	**J**	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.0004	U	0.0010	mg/kg wet							
2-Butanone	0.0020	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.0005	U	0.0010	mg/kg wet							
2-Hexanone	0.0034	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.0006	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.0008	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.0036	U	0.0050	mg/kg wet							
Acetone	0.0038	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromobenzene	0.0004	U	0.0010	mg/kg wet							
Bromochloromethane	0.0008	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

Blank (5L08025-BLK1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
Isopropylbenzene	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	0.0020	U	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
Naphthalene	**0.0033**		0.0010	mg/kg wet							
n-Butyl Benzene	0.0009	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.0006	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Styrene	0.0004	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.044*			*mg/kg wet*	*0.0500*		*88*	*71-126*			
Dibromofluoromethane	*0.046*			*mg/kg wet*	*0.0500*		*91*	*72-133*			
Toluene-d8	*0.046*			*mg/kg wet*	*0.0500*		*92*	*80-123*			

LCS (5L08025-BS1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 09:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		107	45-157			
1,1,2,2-Tetrachloroethane	0.022		0.0010	mg/kg wet	0.0200		111	47-151			
1,1,2-Trichloroethane	0.023		0.0010	mg/kg wet	0.0200		113	49-148			
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		114	52-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

LCS (5L08025-BS1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 09:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.022		0.0010	mg/kg wet	0.0200		111	22-166			
1,1-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		117	49-144			
1,2,3-Trichlorobenzene	0.025	B	0.0010	mg/kg wet	0.0200		127	39-166			
1,2,3-Trichloropropane	0.023		0.0050	mg/kg wet	0.0200		114	45-150			
1,2,4-Trichlorobenzene	0.025	B	0.0010	mg/kg wet	0.0200		125	47-155			
1,2,4-Trimethylbenzene	0.023		0.0010	mg/kg wet	0.0200		117	57-137			QR-02
1,2-Dibromoethane	0.023		0.0010	mg/kg wet	0.0200		115	52-145			
1,2-Dichlorobenzene	0.023		0.0010	mg/kg wet	0.0200		116	59-131			
1,2-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		116	39-162			
1,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200		111	52-139			
1,3,5-Trimethylbenzene	0.022		0.0010	mg/kg wet	0.0200		111	57-134			QR-02
1,3-Dichlorobenzene	0.023		0.0010	mg/kg wet	0.0200		114	60-131			
1,3-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		106	45-154			
1,4-Dichlorobenzene	0.022		0.0010	mg/kg wet	0.0200		112	61-135			
2,2-Dichloropropane	0.020		0.0010	mg/kg wet	0.0200		99	46-150			
2-Butanone	0.12		0.0050	mg/kg wet	0.100		116	10-180			QR-02
2-Chlorotoluene	0.023		0.0010	mg/kg wet	0.0200		113	55-135			
2-Hexanone	0.12		0.0050	mg/kg wet	0.100		123	43-177			
4-Chlorotoluene	0.022		0.0010	mg/kg wet	0.0200		110	59-135			
4-Isopropyltoluene	0.023		0.0010	mg/kg wet	0.0200		114	65-154			QR-02
4-Methyl-2-pentanone	0.13		0.0050	mg/kg wet	0.100		127	31-174			
Acetone	0.11		0.0050	mg/kg wet	0.100		114	21-180			
Benzene	0.022		0.0010	mg/kg wet	0.0200		108	49-142			
Bromobenzene	0.023		0.0010	mg/kg wet	0.0200		113	49-157			
Bromochloromethane	0.022		0.0010	mg/kg wet	0.0200		111	47-148			
Bromodichloromethane	0.024		0.0010	mg/kg wet	0.0200		118	45-146			
Bromoform	0.022		0.0010	mg/kg wet	0.0200		108	40-155			
Bromomethane	0.021		0.0010	mg/kg wet	0.0200		107	10-180			
Carbon Tetrachloride	0.022		0.0010	mg/kg wet	0.0200		111	43-163			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

LCS (5L08025-BS1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 09:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	0.022		0.0010	mg/kg wet	0.0200		109	45-147			
Chloroethane	0.019		0.0010	mg/kg wet	0.0200		94	10-180			
Chloroform	0.022		0.0010	mg/kg wet	0.0200		110	48-148			
Chloromethane	0.026		0.0010	mg/kg wet	0.0200		130	38-160			
cis-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		106	48-137			
cis-1,3-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		114	54-140			
Dibromochloromethane	0.024		0.0010	mg/kg wet	0.0200		120	44-149			
Dichlorodifluoromethane	0.031		0.0010	mg/kg wet	0.0200		154	15-180			
Ethylbenzene	0.022		0.0010	mg/kg wet	0.0200		108	54-139			
Isopropylbenzene	0.022		0.0010	mg/kg wet	0.0200		112	55-137			
Methylene Chloride	0.025		0.0050	mg/kg wet	0.0200		123	28-152			
Methyl-tert-Butyl Ether	0.026		0.0010	mg/kg wet	0.0200		128	40-153			
Naphthalene	0.030	B	0.0010	mg/kg wet	0.0200		150	26-180			
n-Butyl Benzene	0.022		0.0010	mg/kg wet	0.0200		111	52-148			QR-02
n-Propyl Benzene	0.023		0.0010	mg/kg wet	0.0200		113	54-141			QR-02
sec-Butylbenzene	0.022		0.0010	mg/kg wet	0.0200		111	61-134			QR-02
Styrene	0.023		0.0010	mg/kg wet	0.0200		115	55-139			
tert-Butylbenzene	0.022		0.0010	mg/kg wet	0.0200		112	59-134			QR-02
Tetrachloroethene	0.023		0.0010	mg/kg wet	0.0200		113	46-163			
Toluene	0.022		0.0010	mg/kg wet	0.0200		108	55-136			
trans-1,2-Dichloroethene	0.024		0.0010	mg/kg wet	0.0200		119	50-138			
trans-1,3-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200		121	52-155			
Trichloroethene	0.022		0.0010	mg/kg wet	0.0200		110	51-147			
Trichlorofluoromethane	0.026		0.0010	mg/kg wet	0.0200		128	49-163			
Vinyl chloride	0.026		0.0010	mg/kg wet	0.0200		128	29-158			
Xylenes (Total)	0.066		0.0020	mg/kg wet				0-200			

LCS Dup (5L08025-BSD1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.014		0.0010	mg/kg wet	0.0200		72	45-157	40	27	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

LCS Dup (5L08025-BSD1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,2,2-Tetrachloroethane	0.014		0.0010	mg/kg wet	0.0200		72	47-151	42	27	
1,1,2-Trichloroethane	0.015		0.0010	mg/kg wet	0.0200		76	49-148	40	28	
1,1-Dichloroethane	0.015		0.0010	mg/kg wet	0.0200		76	52-148	40	37	
1,1-Dichloroethene	0.015		0.0010	mg/kg wet	0.0200		74	22-166	41	23	
1,1-Dichloropropene	0.016		0.0010	mg/kg wet	0.0200		79	49-144	38	42	
1,2,3-Trichlorobenzene	0.016	B	0.0010	mg/kg wet	0.0200		78	39-166	48	41	
1,2,3-Trichloropropane	0.014		0.0050	mg/kg wet	0.0200		72	45-150	44	27	
1,2,4-Trichlorobenzene	0.016	B	0.0010	mg/kg wet	0.0200		81	47-155	43	43	
1,2,4-Trimethylbenzene	0.016		0.0010	mg/kg wet	0.0200		78	57-137	40	33	QR-02
1,2-Dibromoethane	0.015		0.0010	mg/kg wet	0.0200		75	52-145	42	36	
1,2-Dichlorobenzene	0.015		0.0010	mg/kg wet	0.0200		77	59-131	40	35	
1,2-Dichloroethane	0.015		0.0010	mg/kg wet	0.0200		76	39-162	41	20	
1,2-Dichloropropane	0.015		0.0010	mg/kg wet	0.0200		75	52-139	39	27	
1,3,5-Trimethylbenzene	0.015		0.0010	mg/kg wet	0.0200		74	57-134	40	28	QR-02
1,3-Dichlorobenzene	0.015		0.0010	mg/kg wet	0.0200		75	60-131	41	32	
1,3-Dichloropropane	0.014		0.0010	mg/kg wet	0.0200		70	45-154	41	38	
1,4-Dichlorobenzene	0.015		0.0010	mg/kg wet	0.0200		75	61-135	39	33	
2,2-Dichloropropane	0.013		0.0010	mg/kg wet	0.0200		65	46-150	41	28	
2-Butanone	0.076		0.0050	mg/kg wet	0.100		76	10-180	42	35	QR-02
2-Chlorotoluene	0.015		0.0010	mg/kg wet	0.0200		76	55-135	39	26	
2-Hexanone	0.078		0.0050	mg/kg wet	0.100		78	43-177	45	31	
4-Chlorotoluene	0.015		0.0010	mg/kg wet	0.0200		74	59-135	40	29	
4-Isopropyltoluene	0.015		0.0010	mg/kg wet	0.0200		77	65-154	39	29	QR-02
4-Methyl-2-pentanone	0.080		0.0050	mg/kg wet	0.100		80	31-174	45	33	
Acetone	0.073		0.0050	mg/kg wet	0.100		73	21-180	44	50	
Benzene	0.015		0.0010	mg/kg wet	0.0200		74	49-142	37	19	
Bromobenzene	0.015		0.0010	mg/kg wet	0.0200		75	49-157	40	33	
Bromochloromethane	0.015		0.0010	mg/kg wet	0.0200		74	47-148	40	33	
Bromodichloromethane	0.016		0.0010	mg/kg wet	0.0200		78	45-146	42	21	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08025 - EPA 5030B_MS - Continued

LCS Dup (5L08025-BSD1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 10:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.014		0.0010	mg/kg wet	0.0200		68	40-155	45	27	
Bromomethane	0.019		0.0010	mg/kg wet	0.0200		95	10-180	12	34	
Carbon Tetrachloride	0.015		0.0010	mg/kg wet	0.0200		75	43-163	39	20	
Chlorobenzene	0.015		0.0010	mg/kg wet	0.0200		74	45-147	39	18	
Chloroethane	0.019		0.0010	mg/kg wet	0.0200		94	10-180	1	49	
Chloroform	0.015		0.0010	mg/kg wet	0.0200		74	48-148	39	29	
Chloromethane	0.019		0.0010	mg/kg wet	0.0200		93	38-160	33	30	
cis-1,2-Dichloroethene	0.014		0.0010	mg/kg wet	0.0200		71	48-137	40	20	
cis-1,3-Dichloropropene	0.015		0.0010	mg/kg wet	0.0200		73	54-140	44	27	
Dibromochloromethane	0.015		0.0010	mg/kg wet	0.0200		77	44-149	43	25	
Dichlorodifluoromethane	0.020		0.0010	mg/kg wet	0.0200		102	15-180	41	44	
Ethylbenzene	0.015		0.0010	mg/kg wet	0.0200		73	54-139	38	33	
Isopropylbenzene	0.015		0.0010	mg/kg wet	0.0200		74	55-137	40	28	
Methylene Chloride	0.017		0.0050	mg/kg wet	0.0200		85	28-152	37	50	
Methyl-tert-Butyl Ether	0.017		0.0010	mg/kg wet	0.0200		83	40-153	43	42	
Naphthalene	0.019	B	0.0010	mg/kg wet	0.0200		93	26-180	47	44	
n-Butyl Benzene	0.015		0.0010	mg/kg wet	0.0200		75	52-148	39	31	QR-02
n-Propyl Benzene	0.015		0.0010	mg/kg wet	0.0200		77	54-141	38	32	QR-02
sec-Butylbenzene	0.015		0.0010	mg/kg wet	0.0200		75	61-134	39	27	QR-02
Styrene	0.015		0.0010	mg/kg wet	0.0200		76	55-139	40	31	
tert-Butylbenzene	0.015		0.0010	mg/kg wet	0.0200		76	59-134	39	25	QR-02
Tetrachloroethene	0.015		0.0010	mg/kg wet	0.0200		76	46-163	39	26	
Toluene	0.015		0.0010	mg/kg wet	0.0200		73	55-136	38	21	
trans-1,2-Dichloroethene	0.016		0.0010	mg/kg wet	0.0200		80	50-138	39	29	
trans-1,3-Dichloropropene	0.015		0.0010	mg/kg wet	0.0200		77	52-155	45	21	
Trichloroethene	0.015		0.0010	mg/kg wet	0.0200		74	51-147	38	26	
Trichlorofluoromethane	0.017		0.0010	mg/kg wet	0.0200		87	49-163	38	42	
Vinyl chloride	0.017		0.0010	mg/kg wet	0.0200		85	29-158	40	23	
Xylenes (Total)	0.045		0.0020	mg/kg wet				0-200	39	200	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
J-01	Result is estimated due to positive results in the associated method blank.
J-02	Result is estimated due to bias in the associated laboratory control sample (LCS).
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QS-03	Surrogate recovery outside acceptance limits
QS-06	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound. This is a confirmed matrix effect.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

DC 320027, Model Laundry

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 2

Client Name: URS Corp - NC	Project Number: 60476695.10005
Address: 1600 Perimeter Park Dr.	Project Name/Desc: DSCA #DC320027 Model
City/ST/Zip: Morrisville, NC	PO # / Billing Info: 60476695.10005
Tel: 919-461-1341 Fax: 919-461-1415	Reporting Contact: Carlin Slusher
Sampler(s) Name, Affiliation (Print): Carlin Slusher	Billing Contact: Carlin Slusher
Sampler(s) Signature: [signature]	Site Location / Time Zone: Durham, NC

Requested Analyses: 8260 (VOC), 8270 (SVOC), % Solids

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard (5 day) ___ Expedited. Due __/__/__

Lab Workorder: C514952

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260 (VOC)	8270 (SVOC)	% Solids	Sample Comments
	SB-5 1-2	12/1/15	1255	Grab	SO	4	X	X	X	HOLD *
	SB-5 2-3	↓	1258	↓	↓	↓	↓	↓	↓	*
	SB-6 1-2	↓	1445	↓	↓	↓	↓	↓	↓	HOLD *
	SB-6 2-3	↓	1450	↓	↓	↓	↓	↓	↓	*
	SB-4 0-1	↓	1520	↓	↓	↓	↓	↓	↓	HOLD
	SB-4 1-2	↓	1525	↓	↓	↓	↓	↓	↓	
	SB-3 0-1	↓	1625	↓	↓	↓	↓	↓	↓	
	SB-1 0-1	↓	1635	↓	↓	↓	↓	↓	↓	
	SB-2 0-1	↓	1645	↓	↓	↓	↓	↓	↓	HOLD
	SB-2 1-1.2	↓	1650	↓	↓	↓	↓	↓	↓	
	SB-7 1-2	↓	1700	↓	↓	↓	↓	↓	↓	*
	SB-8 0-1	12/1/15	1720	Grab	SO	4	X	X	X	HOLD *

<-- Total # of Containers

Sample Kit Prepared By:	Date/Time:		
Relinquished By: [signature]	Date/Time: 12/2/15 0800	Received By: [signature]	Date/Time: 12-2-15 0800
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Comments/Special Reporting Requirements: *Strong petroleum odor in SB-5 to SB-8. 5-day TAT is critical.

Cooler #'s & Temps on Receipt: 1.2c

Condition Upon Receipt: ✓ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

DC320027, Model Laundry

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Client Name: URS Corp-NC	Project Number: 60476695.10005
Address: 1600 Perimeter Park	Project Name/Desc: DSCA # DC320027, Model
City/ST/Zip: Morrisville, NC	PO # / Billing Info: 60476695.10005
Tel: 919-461-1341 Fax: 919-461-1415	Reporting Contact: Carlin Slusher
Sampler(s) Name, Affiliation (Print): Carlin Slusher	Billing Contact: Carlin Slusher
Sampler(s) Signature: [signature]	Site Location / Time Zone: Durham, NC

Requested Analyses: 8260 (VOC), 8270 (SVOC), % Solids

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard 5 day

___ Expedited

Due __/__/__

Lab Workorder: C514952

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260 (VOC)	8270 (SVOC)	% Solids	Sample Comments
	SB-8 1-1.2	12/1/15	1725	Grab	SO	4	X	X	X	*
	SB-9 0-1	12/1/15	1735	Grab	SO	4	X	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	12/2/15 0700	[signature]	12/3/15 0800
Relinquished By	Date/Time	Received By	Date/Time		
Relinquished By	Date/Time	Received By	Date/Time		

Comments/Special Reporting Requirements: *Strong petroleum odor in SB-5 to SB-8. 5-day TAT is critical

Cooler #'s & Temps on Receipt: 1.2c

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Thursday, December 10, 2015
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0027 Model Laundry, Project Name/Desc: DSCA
ENCO Workorder(s): C515484

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, December 3, 2015.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 10 December 2015
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: C515484

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The spike recovery of 1,2,3-Trichlorobenzene and Naphthalene were outside of control limits for the 8260B LCS sample, indicating a possible high bias; however, these analytes were not detected in the associated sample, reducing the impact of the deviation. Methylene Chloride was detected in one of the Method Blanks; the reported results should be considered to have a possible high bias.

Quality Control Remarks

No Comments

Other Comments

Acetone and Methylene Chloride are common laboratory contaminants. The reported results may exhibit a high bias.

The reported samples were checked for Carbofuran via library search; however, none was detected.

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-10 1-1.3 **Lab ID: C515484-02** **Sampled: 12/02/15 10:05** **Received: 12/03/15 13:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/30/16		12/04/15	15:41	12/04/15 15:41
EPA 8260B	12/16/15		12/08/15	00:00	12/08/15 13:43
EPA 8270D	12/16/15	01/14/16	12/05/15	18:00	12/09/15 04:41

Client ID: SB-13 2-3 **Lab ID: C515484-04** **Sampled: 12/02/15 10:40** **Received: 12/03/15 13:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/30/16		12/04/15	15:41	12/04/15 15:41
EPA 8260B	12/16/15		12/08/15	00:00	12/08/15 14:14
EPA 8270D	12/16/15	01/14/16	12/05/15	18:00	12/09/15 05:13

Client ID: SB-12 2-3 **Lab ID: C515484-06** **Sampled: 12/02/15 11:20** **Received: 12/03/15 13:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/30/16		12/04/15	15:41	12/04/15 15:41
EPA 8260B	12/16/15		12/08/15	00:00	12/08/15 14:46
EPA 8270D	12/16/15	01/14/16	12/05/15	18:00	12/09/15 05:45

Client ID: SB-11 2-3 **Lab ID: C515484-08** **Sampled: 12/02/15 11:55** **Received: 12/03/15 13:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	05/30/16		12/04/15	15:41	12/04/15 15:41
EPA 8260B	12/16/15		12/08/15	00:00	12/08/15 15:17
EPA 8270D	12/16/15	01/14/16	12/05/15	18:00	12/09/15 06:17

Client ID: Trip Blank **Lab ID: C515484-09** **Sampled: 12/02/15 10:00** **Received: 12/03/15 13:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	12/16/15		12/09/15	00:00	12/09/15 10:23

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

SAMPLE DETECTION SUMMARY

Client ID: SB-10 1-1.3 **Lab ID: C515484-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	88		0.1	0.1	% by Weight	% Solids	
Acetone	0.018		0.0043	0.0057	mg/kg dry	EPA 8260B	O-01
Methylene Chloride	0.0065		0.0023	0.0057	mg/kg dry	EPA 8260B	J-01, O-01

Client ID: SB-13 2-3 **Lab ID: C515484-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	88		0.1	0.1	% by Weight	% Solids	
Acetone	0.012		0.0043	0.0057	mg/kg dry	EPA 8260B	O-01
Fluoranthene	0.046	J	0.041	0.38	mg/kg dry	EPA 8270D	
Methylene Chloride	0.0069		0.0023	0.0057	mg/kg dry	EPA 8260B	J-01, O-01

Client ID: SB-12 2-3 **Lab ID: C515484-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	88		0.1	0.1	% by Weight	% Solids	
Acetone	0.015		0.0039	0.0051	mg/kg dry	EPA 8260B	O-01
Methylene Chloride	0.0027	J	0.0021	0.0051	mg/kg dry	EPA 8260B	J-01, O-01

Client ID: SB-11 2-3 **Lab ID: C515484-08**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	86		0.1	0.1	% by Weight	% Solids	
Acetone	0.029		0.0044	0.0058	mg/kg dry	EPA 8260B	O-01
Methylene Chloride	0.0071		0.0023	0.0058	mg/kg dry	EPA 8260B	J-01, O-01

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ANALYTICAL RESULTS

Description: SB-10 1-1.3	**Lab Sample ID:** C515484-02	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:05	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 88.15

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2,4-Dimethylphenol [105-67-9]^	0.049	U	mg/kg dry	1	0.049	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2,4-Dinitrophenol [51-28-5]^	0.049	U	mg/kg dry	1	0.049	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Chloronaphthalene [91-58-7]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Chlorophenol [95-57-8]^	0.028	U	mg/kg dry	1	0.028	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Methylnaphthalene [91-57-6]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Methylphenol [95-48-7]^	0.028	U	mg/kg dry	1	0.028	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.029	U	mg/kg dry	1	0.029	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Acenaphthene [83-32-9]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Acenaphthylene [208-96-8]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzo(a)anthracene [56-55-3]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzo(a)pyrene [50-32-8]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.020	U	mg/kg dry	1	0.020	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.053	U	mg/kg dry	1	0.053	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.028	U	mg/kg dry	1	0.028	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.049	U	mg/kg dry	1	0.049	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.040	U	mg/kg dry	1	0.040	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Butylbenzylphthalate [85-68-7]^	0.045	U	mg/kg dry	1	0.045	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Chrysene [218-01-9]^	0.034	U	mg/kg dry	1	0.034	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.058	U	mg/kg dry	1	0.058	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Diethylphthalate [84-66-2]^	0.032	U	mg/kg dry	1	0.032	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Dimethylphthalate [131-11-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Di-n-butylphthalate [84-74-2]^	0.047	U	mg/kg dry	1	0.047	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Di-n-octylphthalate [117-84-0]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
DPH (as Azobenzene) [103-33-3]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Fluoranthene [206-44-0]^	0.041	U	mg/kg dry	1	0.041	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Hexachlorobenzene [118-74-1]^	0.029	U	mg/kg dry	1	0.029	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Hexachlorobutadiene [87-68-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.044	U	mg/kg dry	1	0.044	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	

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ANALYTICAL RESULTS

Description: SB-10 1-1.3	**Lab Sample ID:** C515484-02	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:05	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 88.15

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.053	U	mg/kg dry	1	0.053	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Nitrobenzene [98-95-3]^	0.029	U	mg/kg dry	1	0.029	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.092	U	mg/kg dry	1	0.092	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.061	U	mg/kg dry	1	0.061	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Pentachlorophenol [87-86-5]^	0.037	U	mg/kg dry	1	0.037	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Phenanthrene [85-01-8]^	0.031	U	mg/kg dry	1	0.031	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	
Pyrene [129-00-0]^	0.043	U	mg/kg dry	1	0.043	0.37	5L05002	EPA 8270D	12/09/15 04:41	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*1*	*3.78*	*90 %*	*28-130*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.89*	*86 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	
2-Fluorophenol	*2.7*	*1*	*3.78*	*73 %*	*49-126*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.89*	*77 %*	*50-117*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	
Phenol-d5	*3.0*	*1*	*3.78*	*79 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*1.89*	*94 %*	*36-151*	*5L05002*	*EPA 8270D*	*12/09/15 04:41*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L05002	EPA 8270D	12/09/15 04:41	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**88**		% by Weight	1	0.1	0.1	5L04031	% Solids	12/04/15 15:41	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,1-Dichloroethane [75-34-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0043	U	mg/kg dry	1	0.0043	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2-Dibromoethane [106-93-4]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	

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ANALYTICAL RESULTS

Description: SB-10 1-1.3	**Lab Sample ID:** C515484-02	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:05	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 88.15

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,3-Dichloropropane [142-28-9]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
2,2-Dichloropropane [594-20-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
2-Butanone [78-93-3]^	0.0023	U	mg/kg dry	1	0.0023	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	
2-Chlorotoluene [95-49-8]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
2-Hexanone [591-78-6]^	0.0039	U	mg/kg dry	1	0.0039	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	
4-Chlorotoluene [106-43-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
4-Isopropyltoluene [99-87-6]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0041	U	mg/kg dry	1	0.0041	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Acetone [67-64-1]^	**0.018**		mg/kg dry	1	0.0043	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	O-01
Benzene [71-43-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Bromobenzene [108-86-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Bromochloromethane [74-97-5]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Bromomethane [74-83-9]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Chloromethane [74-87-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Isopropyl Ether [108-20-3]	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Methylene Chloride [75-09-2]^	**0.0065**		mg/kg dry	1	0.0023	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Naphthalene [91-20-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
n-Butyl Benzene [104-51-8]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
n-Propyl Benzene [103-65-1]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
sec-Butylbenzene [135-98-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
tert-Butylbenzene [98-06-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Tetrachloroethene [127-18-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0057	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Xylenes (Total) [1330-20-7]^	0.0011	U	mg/kg dry	1	0.0011	0.0023	5L08017	EPA 8260B	12/08/15 13:43	KKW	

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ANALYTICAL RESULTS

Description:	SB-10 1-1.3	**Lab Sample ID:**	C515484-02	**Received:**	12/03/15 13:05
Matrix:	Soil	**Sampled:**	12/02/15 10:05	**Work Order:**	C515484
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	88.15

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.065	1	0.0602	109 %	71-126	5L08017	EPA 8260B	12/08/15 13:43	KKW	
4-Bromofluorobenzene	0.065	1	0.0602	109 %	71-126	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Dibromofluoromethane	0.069	1	0.0602	115 %	72-133	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Dibromofluoromethane	0.069	1	0.0602	115 %	72-133	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Toluene-d8	0.066	1	0.0602	110 %	80-123	5L08017	EPA 8260B	12/08/15 13:43	KKW	
Toluene-d8	0.066	1	0.0602	110 %	80-123	5L08017	EPA 8260B	12/08/15 13:43	KKW	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: SB-13 2-3	**Lab Sample ID:** C515484-04	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:40	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.63

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2,4-Dimethylphenol [105-67-9]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2,4-Dinitrophenol [51-28-5]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Chloronaphthalene [91-58-7]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Chlorophenol [95-57-8]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Methylnaphthalene [91-57-6]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Methylphenol [95-48-7]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Acenaphthene [83-32-9]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Acenaphthylene [208-96-8]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzo(a)anthracene [56-55-3]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzo(a)pyrene [50-32-8]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.021	U	mg/kg dry	1	0.021	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.054	U	mg/kg dry	1	0.054	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.040	U	mg/kg dry	1	0.040	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Butylbenzylphthalate [85-68-7]^	0.046	U	mg/kg dry	1	0.046	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Chrysene [218-01-9]^	0.034	U	mg/kg dry	1	0.034	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.058	U	mg/kg dry	1	0.058	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Diethylphthalate [84-66-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Dimethylphthalate [131-11-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Di-n-butylphthalate [84-74-2]^	0.047	U	mg/kg dry	1	0.047	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Di-n-octylphthalate [117-84-0]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Fluoranthene [206-44-0]^	**0.046**	J	mg/kg dry	1	0.041	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Hexachlorobenzene [118-74-1]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Hexachlorobutadiene [87-68-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.045	U	mg/kg dry	1	0.045	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	

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ANALYTICAL RESULTS

Description: SB-13 2-3	**Lab Sample ID:** C515484-04	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:40	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.63

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.054	U	mg/kg dry	1	0.054	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Nitrobenzene [98-95-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.092	U	mg/kg dry	1	0.092	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.062	U	mg/kg dry	1	0.062	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Pentachlorophenol [87-86-5]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Phenanthrene [85-01-8]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	
Pyrene [129-00-0]^	0.043	U	mg/kg dry	1	0.043	0.38	5L05002	EPA 8270D	12/09/15 05:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.6*	*1*	*3.80*	*95 %*	*28-130*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.90*	*91 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	
2-Fluorophenol	*2.9*	*1*	*3.80*	*76 %*	*49-126*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.90*	*80 %*	*50-117*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	
Phenol-d5	*3.1*	*1*	*3.80*	*81 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*1.90*	*96 %*	*36-151*	*5L05002*	*EPA 8270D*	*12/09/15 05:13*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L05002	EPA 8270D	12/09/15 05:13	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**88**		% by Weight	1	0.1	0.1	5L04031	% Solids	12/04/15 15:41	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,1-Dichloroethane [75-34-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0043	U	mg/kg dry	1	0.0043	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2-Dibromoethane [106-93-4]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	

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ANALYTICAL RESULTS

Description: SB-13 2-3	**Lab Sample ID:** C515484-04	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 10:40	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.63

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,3-Dichloropropane [142-28-9]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
2,2-Dichloropropane [594-20-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
2-Butanone [78-93-3]^	0.0023	U	mg/kg dry	1	0.0023	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	
2-Chlorotoluene [95-49-8]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
2-Hexanone [591-78-6]^	0.0039	U	mg/kg dry	1	0.0039	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	
4-Chlorotoluene [106-43-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
4-Isopropyltoluene [99-87-6]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0041	U	mg/kg dry	1	0.0041	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Acetone [67-64-1]^	**0.012**		mg/kg dry	1	0.0043	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	O-01
Benzene [71-43-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Bromobenzene [108-86-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Bromochloromethane [74-97-5]^	0.0009	U	mg/kg dry	1	0.0009	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Bromomethane [74-83-9]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Chloromethane [74-87-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Isopropyl Ether [108-20-3]	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Methylene Chloride [75-09-2]^	**0.0069**		mg/kg dry	1	0.0023	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Naphthalene [91-20-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
n-Butyl Benzene [104-51-8]^	0.0010	U	mg/kg dry	1	0.0010	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
n-Propyl Benzene [103-65-1]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
sec-Butylbenzene [135-98-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
tert-Butylbenzene [98-06-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Tetrachloroethene [127-18-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0057	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0011	5L08017	EPA 8260B	12/08/15 14:14	KKW	
Xylenes (Total) [1330-20-7]^	0.0011	U	mg/kg dry	1	0.0011	0.0023	5L08017	EPA 8260B	12/08/15 14:14	KKW	

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ANALYTICAL RESULTS

Description:	SB-13 2-3	**Lab Sample ID:**	C515484-04	**Received:**	12/03/15 13:05
Matrix:	Soil	**Sampled:**	12/02/15 10:40	**Work Order:**	C515484
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	87.63

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	*0.067*	*1*	*0.0597*	*112 %*	*71-126*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	
4-Bromofluorobenzene	*0.067*	*1*	*0.0597*	*112 %*	*71-126*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	
Dibromofluoromethane	*0.068*	*1*	*0.0597*	*113 %*	*72-133*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	
Dibromofluoromethane	*0.068*	*1*	*0.0597*	*113 %*	*72-133*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	
Toluene-d8	*0.066*	*1*	*0.0597*	*111 %*	*80-123*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	
Toluene-d8	*0.066*	*1*	*0.0597*	*111 %*	*80-123*	*5L08017*	*EPA 8260B*	*12/08/15 14:14*	*KKW*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: SB-12 2-3	**Lab Sample ID:** C515484-06	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:20	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.73

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2,4-Dimethylphenol [105-67-9]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2,4-Dinitrophenol [51-28-5]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Chloronaphthalene [91-58-7]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Chlorophenol [95-57-8]^	0.028	U	mg/kg dry	1	0.028	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Methylnaphthalene [91-57-6]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Methylphenol [95-48-7]^	0.028	U	mg/kg dry	1	0.028	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Acenaphthene [83-32-9]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Acenaphthylene [208-96-8]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzo(a)anthracene [56-55-3]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzo(a)pyrene [50-32-8]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.021	U	mg/kg dry	1	0.021	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.054	U	mg/kg dry	1	0.054	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.028	U	mg/kg dry	1	0.028	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.049	U	mg/kg dry	1	0.049	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.040	U	mg/kg dry	1	0.040	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Butylbenzylphthalate [85-68-7]^	0.046	U	mg/kg dry	1	0.046	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Chrysene [218-01-9]^	0.034	U	mg/kg dry	1	0.034	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.058	U	mg/kg dry	1	0.058	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Diethylphthalate [84-66-2]^	0.032	U	mg/kg dry	1	0.032	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Dimethylphthalate [131-11-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Di-n-butylphthalate [84-74-2]^	0.047	U	mg/kg dry	1	0.047	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Di-n-octylphthalate [117-84-0]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Fluoranthene [206-44-0]^	0.041	U	mg/kg dry	1	0.041	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Hexachlorobenzene [118-74-1]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Hexachlorobutadiene [87-68-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.044	U	mg/kg dry	1	0.044	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	

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ANALYTICAL RESULTS

Description: SB-12 2-3	**Lab Sample ID:** C515484-06	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:20	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.73

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.054	U	mg/kg dry	1	0.054	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Nitrobenzene [98-95-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.092	U	mg/kg dry	1	0.092	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.062	U	mg/kg dry	1	0.062	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Pentachlorophenol [87-86-5]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Phenanthrene [85-01-8]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	
Pyrene [129-00-0]^	0.043	U	mg/kg dry	1	0.043	0.38	5L05002	EPA 8270D	12/09/15 05:45	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.7*	*1*	*3.80*	*98 %*	*28-130*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.90*	*91 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	
2-Fluorophenol	*3.0*	*1*	*3.80*	*79 %*	*49-126*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.90*	*82 %*	*50-117*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	
Phenol-d5	*3.2*	*1*	*3.80*	*84 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*1.90*	*98 %*	*36-151*	*5L05002*	*EPA 8270D*	*12/09/15 05:45*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L05002	EPA 8270D	12/09/15 05:45	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**88**		% by Weight	1	0.1	0.1	5L04031	% Solids	12/04/15 15:41	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,1-Dichloroethane [75-34-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,1-Dichloroethene [75-35-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0009	U	mg/kg dry	1	0.0009	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0039	U	mg/kg dry	1	0.0039	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0009	U	mg/kg dry	1	0.0009	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2-Dibromoethane [106-93-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2-Dichloroethane [107-06-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	

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ANALYTICAL RESULTS

Description: SB-12 2-3	**Lab Sample ID:** C515484-06	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:20	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 87.73

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,3-Dichloropropane [142-28-9]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
2,2-Dichloropropane [594-20-7]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
2-Butanone [78-93-3]^	0.0021	U	mg/kg dry	1	0.0021	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	
2-Chlorotoluene [95-49-8]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
2-Hexanone [591-78-6]^	0.0035	U	mg/kg dry	1	0.0035	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	
4-Chlorotoluene [106-43-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
4-Isopropyltoluene [99-87-6]^	0.0008	U	mg/kg dry	1	0.0008	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0037	U	mg/kg dry	1	0.0037	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Acetone [67-64-1]^	**0.015**		mg/kg dry	1	0.0039	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	O-01
Benzene [71-43-2]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Bromobenzene [108-86-1]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Bromochloromethane [74-97-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Bromoform [75-25-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Bromomethane [74-83-9]^	0.0009	U	mg/kg dry	1	0.0009	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Carbon Tetrachloride [56-23-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Chloroform [67-66-3]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Chloromethane [74-87-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Dibromochloromethane [124-48-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Isopropyl Ether [108-20-3]	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Methylene Chloride [75-09-2]^	**0.0027**	J	mg/kg dry	1	0.0021	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Naphthalene [91-20-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
n-Butyl Benzene [104-51-8]^	0.0009	U	mg/kg dry	1	0.0009	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
n-Propyl Benzene [103-65-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
sec-Butylbenzene [135-98-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
tert-Butylbenzene [98-06-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Tetrachloroethene [127-18-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Trichloroethene [79-01-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0051	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Xylenes (Total) [1330-20-7]^	0.0010	U	mg/kg dry	1	0.0010	0.0021	5L08017	EPA 8260B	12/08/15 14:46	KKW	

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ANALYTICAL RESULTS

Description:	SB-12 2-3	**Lab Sample ID:**	C515484-06	**Received:**	12/03/15 13:05
Matrix:	Soil	**Sampled:**	12/02/15 11:20	**Work Order:**	C515484
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	87.73

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.057	1	0.0514	111 %	71-126	5L08017	EPA 8260B	12/08/15 14:46	KKW	
4-Bromofluorobenzene	0.057	1	0.0514	111 %	71-126	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Dibromofluoromethane	0.059	1	0.0514	114 %	72-133	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Dibromofluoromethane	0.059	1	0.0514	114 %	72-133	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Toluene-d8	0.057	1	0.0514	111 %	80-123	5L08017	EPA 8260B	12/08/15 14:46	KKW	
Toluene-d8	0.057	1	0.0514	111 %	80-123	5L08017	EPA 8260B	12/08/15 14:46	KKW	

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ANALYTICAL RESULTS

Description: SB-11 2-3	**Lab Sample ID:** C515484-08	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:55	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 86.04

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2,4-Dichlorophenol [120-83-2]^	0.028	U	mg/kg dry	1	0.028	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2,4-Dimethylphenol [105-67-9]^	0.050	U	mg/kg dry	1	0.050	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2,4-Dinitrophenol [51-28-5]^	0.050	U	mg/kg dry	1	0.050	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.036	U	mg/kg dry	1	0.036	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Chloronaphthalene [91-58-7]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Chlorophenol [95-57-8]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Methylnaphthalene [91-57-6]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Methylphenol [95-48-7]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
2-Nitrophenol [88-75-5]^	0.036	U	mg/kg dry	1	0.036	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
4-Nitrophenol [100-02-7]^	0.036	U	mg/kg dry	1	0.036	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Acenaphthene [83-32-9]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Acenaphthylene [208-96-8]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Anthracene [120-12-7]^	0.044	U	mg/kg dry	1	0.044	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzo(a)anthracene [56-55-3]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzo(a)pyrene [50-32-8]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.021	U	mg/kg dry	1	0.021	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzo(g,h,i)perylene [191-24-2]^	0.055	U	mg/kg dry	1	0.055	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	2.0	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Benzyl alcohol [100-51-6]^	0.027	U	mg/kg dry	1	0.027	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.029	U	mg/kg dry	1	0.029	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.050	U	mg/kg dry	1	0.050	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.028	U	mg/kg dry	1	0.028	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.041	U	mg/kg dry	1	0.041	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Butylbenzylphthalate [85-68-7]^	0.046	U	mg/kg dry	1	0.046	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Chrysene [218-01-9]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.059	U	mg/kg dry	1	0.059	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Diethylphthalate [84-66-2]^	0.033	U	mg/kg dry	1	0.033	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Dimethylphthalate [131-11-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Di-n-butylphthalate [84-74-2]^	0.048	U	mg/kg dry	1	0.048	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Di-n-octylphthalate [117-84-0]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Fluoranthene [206-44-0]^	0.042	U	mg/kg dry	1	0.042	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Fluorene [86-73-7]^	0.034	U	mg/kg dry	1	0.034	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Hexachlorobenzene [118-74-1]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Hexachlorobutadiene [87-68-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.045	U	mg/kg dry	1	0.045	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	

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ANALYTICAL RESULTS

Description: SB-11 2-3	**Lab Sample ID:** C515484-08	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:55	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 86.04

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.055	U	mg/kg dry	1	0.055	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Isophorone [78-59-1]^	0.035	U	mg/kg dry	1	0.035	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Nitrobenzene [98-95-3]^	0.030	U	mg/kg dry	1	0.030	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.094	U	mg/kg dry	1	0.094	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.063	U	mg/kg dry	1	0.063	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Pentachlorophenol [87-86-5]^	0.038	U	mg/kg dry	1	0.038	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Phenanthrene [85-01-8]^	0.031	U	mg/kg dry	1	0.031	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Phenol [108-95-2]^	0.026	U	mg/kg dry	1	0.026	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	
Pyrene [129-00-0]^	0.044	U	mg/kg dry	1	0.044	0.38	5L05002	EPA 8270D	12/09/15 06:17	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.2*	*1*	*3.87*	*83 %*	*28-130*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	
2-Fluorobiphenyl	*1.8*	*1*	*1.94*	*93 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	
2-Fluorophenol	*3.0*	*1*	*3.87*	*77 %*	*49-126*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.94*	*80 %*	*50-117*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	
Phenol-d5	*3.1*	*1*	*3.87*	*80 %*	*56-120*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*1.94*	*91 %*	*36-151*	*5L05002*	*EPA 8270D*	*12/09/15 06:17*	*DFM*	

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			5L05002	EPA 8270D	12/09/15 06:17	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**86**		% by Weight	1	0.1	0.1	5L04031	% Solids	12/04/15 15:41	AEB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,1-Dichloroethane [75-34-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,1-Dichloropropene [563-58-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.0011	U	mg/kg dry	1	0.0011	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	QL-02
1,2,3-Trichloropropane [96-18-4]^	0.0044	U	mg/kg dry	1	0.0044	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.0010	U	mg/kg dry	1	0.0010	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2-Dibromoethane [106-93-4]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,2-Dichloropropane [78-87-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	

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ANALYTICAL RESULTS

Description: SB-11 2-3	**Lab Sample ID:** C515484-08	**Received:** 12/03/15 13:05
Matrix: Soil	**Sampled:** 12/02/15 11:55	**Work Order:** C515484
Project: DSCA	**Sampled By:** Carlin Slusher	**% Solids:** 86.04

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,3-Dichloropropane [142-28-9]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
2,2-Dichloropropane [594-20-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
2-Butanone [78-93-3]^	0.0023	U	mg/kg dry	1	0.0023	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	
2-Chlorotoluene [95-49-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
2-Hexanone [591-78-6]^	0.0040	U	mg/kg dry	1	0.0040	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	
4-Chlorotoluene [106-43-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
4-Isopropyltoluene [99-87-6]^	0.0009	U	mg/kg dry	1	0.0009	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.0042	U	mg/kg dry	1	0.0042	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Acetone [67-64-1]^	**0.029**		mg/kg dry	1	0.0044	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	O-01
Benzene [71-43-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Bromobenzene [108-86-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Bromochloromethane [74-97-5]^	0.0009	U	mg/kg dry	1	0.0009	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Bromomethane [74-83-9]^	0.0010	U	mg/kg dry	1	0.0010	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Chlorobenzene [108-90-7]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Chloroethane [75-00-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Chloromethane [74-87-3]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Ethylbenzene [100-41-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Isopropyl Ether [108-20-3]	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Isopropylbenzene [98-82-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Methylene Chloride [75-09-2]^	**0.0071**		mg/kg dry	1	0.0023	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Naphthalene [91-20-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
n-Butyl Benzene [104-51-8]^	0.0010	U	mg/kg dry	1	0.0010	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
n-Propyl Benzene [103-65-1]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
sec-Butylbenzene [135-98-8]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Styrene [100-42-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
tert-Butylbenzene [98-06-6]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Tetrachloroethene [127-18-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Trichlorofluoromethane [75-69-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Vinyl acetate [108-05-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0058	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Xylenes (Total) [1330-20-7]^	0.0012	U	mg/kg dry	1	0.0012	0.0023	5L08017	EPA 8260B	12/08/15 15:17	KKW	

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ANALYTICAL RESULTS

Description:	SB-11 2-3	**Lab Sample ID:**	C515484-08	**Received:**	12/03/15 13:05
Matrix:	Soil	**Sampled:**	12/02/15 11:55	**Work Order:**	C515484
Project:	DSCA	**Sampled By:**	Carlin Slusher	**% Solids:**	86.04

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	0.059	1	0.0544	109 %	71-126	5L08017	EPA 8260B	12/08/15 15:17	KKW	
4-Bromofluorobenzene	0.059	1	0.0544	109 %	71-126	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Dibromofluoromethane	0.062	1	0.0544	114 %	72-133	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Dibromofluoromethane	0.062	1	0.0544	114 %	72-133	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Toluene-d8	0.060	1	0.0544	111 %	80-123	5L08017	EPA 8260B	12/08/15 15:17	KKW	
Toluene-d8	0.060	1	0.0544	111 %	80-123	5L08017	EPA 8260B	12/08/15 15:17	KKW	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** C515484-09 | **Received:** 12/03/15 13:05
Matrix: Water | **Sampled:** 12/02/15 10:00 | **Work Order:** C515484
Project: DSCA | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2,3-Trichlorobenzene [87-61-6]^	0.86	U	ug/L	1	0.86	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2,4-Trimethylbenzene [95-63-6]^	0.69	U	ug/L	1	0.69	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2-Dibromoethane [106-93-4]^	0.78	U	ug/L	1	0.78	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,3,5-Trimethylbenzene [108-67-8]^	0.58	U	ug/L	1	0.58	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
2-Chlorotoluene [95-49-8]^	0.68	U	ug/L	1	0.68	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
4-Chlorotoluene [106-43-4]^	0.65	U	ug/L	1	0.65	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
4-Isopropyltoluene [99-87-6]^	0.80	U	ug/L	1	0.80	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Bromobenzene [108-86-1]^	0.77	U	ug/L	1	0.77	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Isopropyl Ether [108-20-3]	0.55	U	ug/L	1	0.55	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Isopropylbenzene [98-82-8]^	0.67	U	ug/L	1	0.67	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** C515484-09 | **Received:** 12/03/15 13:05
Matrix: Water | **Sampled:** 12/02/15 10:00 | **Work Order:** C515484
Project: DSCA | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.70	U	ug/L	1	0.70	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
n-Propyl Benzene [103-65-1]^	0.70	U	ug/L	1	0.70	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
sec-Butylbenzene [135-98-8]^	0.74	U	ug/L	1	0.74	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
tert-Butylbenzene [98-06-6]^	0.64	U	ug/L	1	0.64	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5L09009	EPA 8260B	12/09/15 10:23	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*56*	*1*	*50.0*	*111 %*	*41-142*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	
4-Bromofluorobenzene	*56*	*1*	*50.0*	*111 %*	*41-142*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*53-146*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*53-146*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	
Toluene-d8	*50*	*1*	*50.0*	*101 %*	*41-146*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	
Toluene-d8	*50*	*1*	*50.0*	*101 %*	*41-146*	*5L09009*	*EPA 8260B*	*12/09/15 10:23*	*KKW*	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS

Blank (5L05002-BLK1) Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 02:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							
Benzyl alcohol	0.023	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

Blank (5L05002-BLK1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 02:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
DPH (as Azobenzene)	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

Blank (5L05002-BLK1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 02:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Tribromophenol	*3.0*			*mg/kg wet*	*3.33*		*89*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg wet*	*1.67*		*94*	*56-120*			
2-Fluorophenol	*2.6*			*mg/kg wet*	*3.33*		*77*	*49-126*			
Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*83*	*50-117*			
Phenol-d5	*2.8*			*mg/kg wet*	*3.33*		*84*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg wet*	*1.67*		*98*	*36-151*			

LCS (5L05002-BS1) Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 03:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.6		0.33	mg/kg wet	1.67		95	61-121			
2,4-Dichlorophenol	1.5		0.33	mg/kg wet	1.67		92	62-126			
2,4-Dimethylphenol	1.4		0.33	mg/kg wet	1.67		83	39-123			
2,4-Dinitrophenol	1.6		0.33	mg/kg wet	1.67		99	10-192			
2,4-Dinitrotoluene	1.6		0.33	mg/kg wet	1.67		98	63-127			
2,6-Dinitrotoluene	1.6		0.33	mg/kg wet	1.67		97	56-118			
2-Chloronaphthalene	1.5		0.33	mg/kg wet	1.67		90	48-95			
2-Chlorophenol	1.5		0.33	mg/kg wet	1.67		90	56-120			
2-Methyl-4,6-dinitrophenol	1.8		0.33	mg/kg wet	1.67		106	31-164			
2-Methylnaphthalene	1.6		0.33	mg/kg wet	1.67		94	61-128			
2-Methylphenol	1.5		0.33	mg/kg wet	1.67		89	57-123			
2-Nitrophenol	1.5		0.33	mg/kg wet	1.67		89	50-123			
3 & 4-Methylphenol	1.5		0.33	mg/kg wet	1.67		87	63-131			
3,3'-Dichlorobenzidine	1.3		0.33	mg/kg wet	1.67		76	63-96			
4-Bromophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		92	52-104			
4-Chloro-3-methylphenol	1.7		0.33	mg/kg wet	1.67		99	59-121			
4-Chloroaniline	0.77		0.33	mg/kg wet	1.67		46	33-86			
4-Chlorophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		91	62-125			
4-Nitrophenol	1.7		0.33	mg/kg wet	1.67		102	73-147			
Acenaphthene	1.5		0.33	mg/kg wet	1.67		91	64-131			
Acenaphthylene	1.5		0.33	mg/kg wet	1.67		91	65-141			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

LCS (5L05002-BS1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 03:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Anthracene	1.5		0.33	mg/kg wet	1.67		91	63-146			
Benzo(a)anthracene	1.6		0.33	mg/kg wet	1.67		94	58-137			
Benzo(a)pyrene	1.6		0.33	mg/kg wet	1.67		94	60-137			
Benzo(b)fluoranthene	1.6		0.33	mg/kg wet	1.67		96	44-173			
Benzo(g,h,i)perylene	1.6		0.33	mg/kg wet	1.67		96	42-154			
Benzo(k)fluoranthene	1.6		0.33	mg/kg wet	1.67		96	58-144			
Benzoic acid	0.88	J	1.7	mg/kg wet	1.67		53	10-200			
Benzyl alcohol	1.5		0.33	mg/kg wet	1.67		91	19-183			
Bis(2-chloroethoxy)methane	1.5		0.33	mg/kg wet	1.67		90	57-134			
Bis(2-chloroethyl)ether	1.8		0.33	mg/kg wet	1.67		105	44-114			
Bis(2-chloroisopropyl)ether	1.5		0.33	mg/kg wet	1.67		89	48-118			
Bis(2-ethylhexyl)phthalate	1.5		0.33	mg/kg wet	1.67		91	42-147			
Butylbenzylphthalate	1.4		0.33	mg/kg wet	1.67		86	10-193			
Chrysene	1.5		0.33	mg/kg wet	1.67		90	63-143			
Dibenzo(a,h)anthracene	1.6		0.33	mg/kg wet	1.67		98	50-150			
Dibenzofuran	1.6		0.33	mg/kg wet	1.67		94	65-122			
Diethylphthalate	1.6		0.33	mg/kg wet	1.67		95	65-128			
Dimethylphthalate	1.6		0.33	mg/kg wet	1.67		94	63-124			
Di-n-butylphthalate	1.5		0.33	mg/kg wet	1.67		89	63-133			
Di-n-octylphthalate	1.5		0.33	mg/kg wet	1.67		91	54-142			
DPH (as Azobenzene)	1.6		0.33	mg/kg wet	1.67		94	75-125			
Fluoranthene	1.5		0.33	mg/kg wet	1.67		89	67-152			
Fluorene	1.5		0.33	mg/kg wet	1.67		91	68-135			
Hexachlorobenzene	1.5		0.33	mg/kg wet	1.67		92	60-120			
Hexachlorobutadiene	1.4		0.33	mg/kg wet	1.67		86	55-136			
Hexachlorocyclopentadiene	1.6		0.33	mg/kg wet	1.67		97	24-132			
Hexachloroethane	1.4		0.33	mg/kg wet	1.67		85	47-117			
Indeno(1,2,3-cd)pyrene	1.6		0.33	mg/kg wet	1.67		98	47-153			
Isophorone	1.5		0.33	mg/kg wet	1.67		92	61-135			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

LCS (5L05002-BS1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 03:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrobenzene	1.5		0.33	mg/kg wet	1.67		87	49-122			
N-Nitrosodimethylamine	1.4		0.33	mg/kg wet	1.67		85	36-117			
N-Nitroso-di-n-propylamine	1.5		0.33	mg/kg wet	1.67		92	55-135			
Pentachlorophenol	1.6		0.33	mg/kg wet	1.67		96	45-117			
Phenanthrene	1.5		0.33	mg/kg wet	1.67		92	62-137			
Phenol	1.5		0.33	mg/kg wet	1.67		89	54-121			
Pyrene	1.5		0.33	mg/kg wet	1.67		89	65-146			
2,4,6-Tribromophenol	*3.1*			*mg/kg wet*	*3.33*		*94*	*28-130*			
2-Fluorobiphenyl	*1.5*			*mg/kg wet*	*1.67*		*91*	*56-120*			
2-Fluorophenol	*2.7*			*mg/kg wet*	*3.33*		*80*	*49-126*			
Nitrobenzene-d5	*1.5*			*mg/kg wet*	*1.67*		*92*	*50-117*			
Phenol-d5	*2.9*			*mg/kg wet*	*3.33*		*86*	*56-120*			
Terphenyl-d14	*1.5*			*mg/kg wet*	*1.67*		*88*	*36-151*			

Matrix Spike (5L05002-MS1) Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 03:38

Source: C515484-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.7		0.37	mg/kg dry	1.89	0.031 U	92	61-121			
2,4-Dichlorophenol	1.7		0.37	mg/kg dry	1.89	0.027 U	88	62-126			
2,4-Dimethylphenol	1.5		0.37	mg/kg dry	1.89	0.049 U	82	39-123			
2,4-Dinitrophenol	2.0		0.37	mg/kg dry	1.89	0.049 U	103	10-192			
2,4-Dinitrotoluene	1.8		0.37	mg/kg dry	1.89	0.032 U	97	63-127			
2,6-Dinitrotoluene	1.8		0.37	mg/kg dry	1.89	0.035 U	96	56-118			
2-Chloronaphthalene	1.6		0.37	mg/kg dry	1.89	0.032 U	87	49-95			
2-Chlorophenol	1.7		0.37	mg/kg dry	1.89	0.028 U	88	56-120			
2-Methyl-4,6-dinitrophenol	2.0		0.37	mg/kg dry	1.89	0.037 U	105	31-164			
2-Methylnaphthalene	1.7		0.37	mg/kg dry	1.89	0.032 U	90	61-128			
2-Methylphenol	1.6		0.37	mg/kg dry	1.89	0.028 U	86	57-123			
2-Nitrophenol	1.6		0.37	mg/kg dry	1.89	0.035 U	87	50-123			
3 & 4-Methylphenol	1.6		0.37	mg/kg dry	1.89	0.029 U	83	63-131			
3,3'-Dichlorobenzidine	1.6		0.37	mg/kg dry	1.89	0.11 U	84	63-96			
4-Bromophenyl-phenylether	1.7		0.37	mg/kg dry	1.89	0.031 U	90	52-104			
4-Chloro-3-methylphenol	1.8		0.37	mg/kg dry	1.89	0.037 U	94	59-121			
4-Chloroaniline	1.0		0.37	mg/kg dry	1.89	0.11 U	54	33-86			
4-Chlorophenyl-phenylether	1.7		0.37	mg/kg dry	1.89	0.029 U	91	62-125			
4-Nitrophenol	1.9		0.37	mg/kg dry	1.89	0.035 U	100	73-147			
Acenaphthene	1.7		0.37	mg/kg dry	1.89	0.032 U	89	64-131			
Acenaphthylene	1.7		0.37	mg/kg dry	1.89	0.032 U	89	65-141			
Anthracene	1.7		0.37	mg/kg dry	1.89	0.043 U	89	63-146			
Benzo(a)anthracene	1.7		0.37	mg/kg dry	1.89	0.032 U	92	58-137			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

Matrix Spike (5L05002-MS1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 03:38

Source: C515484-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(a)pyrene	1.8		0.37	mg/kg dry	1.89	0.037 U	93	60-137			
Benzo(b)fluoranthene	1.8		0.37	mg/kg dry	1.89	0.020 U	94	44-173			
Benzo(g,h,i)perylene	1.9		0.37	mg/kg dry	1.89	0.053 U	99	42-154			
Benzo(k)fluoranthene	1.8		0.37	mg/kg dry	1.89	0.037 U	95	58-144			
Benzoic acid	1.5	J	1.9	mg/kg dry	1.89	0.17 U	77	10-200			
Benzyl alcohol	1.7		0.37	mg/kg dry	1.89	0.026 U	88	19-183			
Bis(2-chloroethoxy)methane	1.6		0.37	mg/kg dry	1.89	0.028 U	86	57-134			
Bis(2-chloroethyl)ether	1.9		0.37	mg/kg dry	1.89	0.049 U	99	44-114			
Bis(2-chloroisopropyl)ether	1.6		0.37	mg/kg dry	1.89	0.027 U	87	48-118			
Bis(2-ethylhexyl)phthalate	1.7		0.37	mg/kg dry	1.89	0.040 U	89	42-147			
Butylbenzylphthalate	1.6		0.37	mg/kg dry	1.89	0.045 U	86	10-193			
Chrysene	1.7		0.37	mg/kg dry	1.89	0.034 U	88	63-143			
Dibenzo(a,h)anthracene	1.8		0.37	mg/kg dry	1.89	0.058 U	98	50-150			
Dibenzofuran	1.7		0.37	mg/kg dry	1.89	0.031 U	92	65-122			
Diethylphthalate	1.8		0.37	mg/kg dry	1.89	0.032 U	93	65-128			
Dimethylphthalate	1.8		0.37	mg/kg dry	1.89	0.037 U	94	63-124			
Di-n-butylphthalate	1.7		0.37	mg/kg dry	1.89	0.047 U	88	63-133			
Di-n-octylphthalate	1.7		0.37	mg/kg dry	1.89	0.037 U	90	54-142			
DPH (as Azobenzene)	1.7		0.37	mg/kg dry	1.89	0.037 U	92	75-125			
Fluoranthene	1.6		0.37	mg/kg dry	1.89	0.041 U	87	67-152			
Fluorene	1.7		0.37	mg/kg dry	1.89	0.033 U	90	68-135			
Hexachlorobenzene	1.7		0.37	mg/kg dry	1.89	0.029 U	91	60-120			
Hexachlorobutadiene	1.6		0.37	mg/kg dry	1.89	0.029 U	85	55-136			
Hexachlorocyclopentadiene	1.7		0.37	mg/kg dry	1.89	0.044 U	88	24-132			
Hexachloroethane	1.6		0.37	mg/kg dry	1.89	0.024 U	83	47-117			
Indeno(1,2,3-cd)pyrene	1.8		0.37	mg/kg dry	1.89	0.053 U	98	47-153			
Isophorone	1.7		0.37	mg/kg dry	1.89	0.034 U	89	61-135			
Nitrobenzene	1.6		0.37	mg/kg dry	1.89	0.029 U	84	49-122			
N-Nitrosodimethylamine	1.6		0.37	mg/kg dry	1.89	0.024 U	82	36-117			
N-Nitroso-di-n-propylamine	1.7		0.37	mg/kg dry	1.89	0.092 U	91	55-135			
Pentachlorophenol	1.9		0.37	mg/kg dry	1.89	0.037 U	98	45-117			
Phenanthrene	1.7		0.37	mg/kg dry	1.89	0.031 U	89	62-137			
Phenol	1.6		0.37	mg/kg dry	1.89	0.025 U	84	54-121			
Pyrene	1.7		0.37	mg/kg dry	1.89	0.043 U	88	65-146			
2,4,6-Tribromophenol	*3.4*			*mg/kg dry*	*3.78*		*90*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg dry*	*1.89*		*86*	*56-120*			
2-Fluorophenol	*2.9*			*mg/kg dry*	*3.78*		*76*	*49-126*			
Nitrobenzene-d5	*1.6*			*mg/kg dry*	*1.89*		*87*	*50-117*			
Phenol-d5	*3.0*			*mg/kg dry*	*3.78*		*79*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg dry*	*1.89*		*85*	*36-151*			

Matrix Spike Dup (5L05002-MSD1) Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 04:09

Source: C515484-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.8		0.37	mg/kg dry	1.89	0.031 U	97	61-121	6	11	
2,4-Dichlorophenol	1.7		0.37	mg/kg dry	1.89	0.027 U	92	62-126	5	10	
2,4-Dimethylphenol	1.6		0.37	mg/kg dry	1.89	0.049 U	87	39-123	6	11	
2,4-Dinitrophenol	1.9		0.37	mg/kg dry	1.89	0.049 U	101	10-192	2	22	
2,4-Dinitrotoluene	1.8		0.37	mg/kg dry	1.89	0.032 U	96	63-127	0.8	10	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

Matrix Spike Dup (5L05002-MSD1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 04:09

Source: C515484-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,6-Dinitrotoluene	1.8		0.37	mg/kg dry	1.89	0.035 U	97	56-118	0.8	10	
2-Chloronaphthalene	1.7		0.37	mg/kg dry	1.89	0.032 U	91	49-95	5	11	
2-Chlorophenol	1.7		0.37	mg/kg dry	1.89	0.028 U	91	56-120	4	11	
2-Methyl-4,6-dinitrophenol	1.9		0.37	mg/kg dry	1.89	0.037 U	102	31-164	3	12	
2-Methylnaphthalene	1.7		0.37	mg/kg dry	1.89	0.032 U	92	61-128	3	20	
2-Methylphenol	1.7		0.37	mg/kg dry	1.89	0.028 U	92	57-123	6	18	
2-Nitrophenol	1.7		0.37	mg/kg dry	1.89	0.035 U	91	50-123	5	12	
3 & 4-Methylphenol	1.7		0.37	mg/kg dry	1.89	0.029 U	89	63-131	7	12	
3,3'-Dichlorobenzidine	1.6		0.37	mg/kg dry	1.89	0.11 U	85	63-96	2	10	
4-Bromophenyl-phenylether	1.8		0.37	mg/kg dry	1.89	0.031 U	95	52-104	5	10	
4-Chloro-3-methylphenol	1.8		0.37	mg/kg dry	1.89	0.037 U	93	59-121	0.2	10	
4-Chloroaniline	0.94		0.37	mg/kg dry	1.89	0.11 U	50	33-86	7	50	
4-Chlorophenyl-phenylether	1.7		0.37	mg/kg dry	1.89	0.029 U	92	62-125	0.4	10	
4-Nitrophenol	1.8		0.37	mg/kg dry	1.89	0.035 U	94	73-147	6	10	
Acenaphthene	1.7		0.37	mg/kg dry	1.89	0.032 U	92	64-131	3	19	
Acenaphthylene	1.7		0.37	mg/kg dry	1.89	0.032 U	91	65-141	2	21	
Anthracene	1.7		0.37	mg/kg dry	1.89	0.043 U	91	63-146	3	22	
Benzo(a)anthracene	1.8		0.37	mg/kg dry	1.89	0.032 U	94	58-137	2	50	
Benzo(a)pyrene	1.8		0.37	mg/kg dry	1.89	0.037 U	93	60-137	0.5	50	
Benzo(b)fluoranthene	1.8		0.37	mg/kg dry	1.89	0.020 U	93	44-173	0.7	50	
Benzo(g,h,i)perylene	2.0		0.37	mg/kg dry	1.89	0.053 U	104	42-154	5	50	
Benzo(k)fluoranthene	1.8		0.37	mg/kg dry	1.89	0.037 U	95	58-144	0.1	50	
Benzoic acid	1.6	J	1.9	mg/kg dry	1.89	0.17 U	83	10-200	7	25	
Benzyl alcohol	1.7		0.37	mg/kg dry	1.89	0.026 U	92	19-183	4	18	
Bis(2-chloroethoxy)methane	1.7		0.37	mg/kg dry	1.89	0.028 U	90	57-134	5	12	
Bis(2-chloroethyl)ether	1.9		0.37	mg/kg dry	1.89	0.049 U	103	44-114	4	14	
Bis(2-chloroisopropyl)ether	1.7		0.37	mg/kg dry	1.89	0.027 U	91	48-118	5	14	
Bis(2-ethylhexyl)phthalate	1.7		0.37	mg/kg dry	1.89	0.040 U	91	42-147	3	10	
Butylbenzylphthalate	1.7		0.37	mg/kg dry	1.89	0.045 U	91	10-193	6	16	
Chrysene	1.7		0.37	mg/kg dry	1.89	0.034 U	90	63-143	2	50	
Dibenzo(a,h)anthracene	2.0		0.37	mg/kg dry	1.89	0.058 U	104	50-150	7	50	
Dibenzofuran	1.8		0.37	mg/kg dry	1.89	0.031 U	93	65-122	1	10	
Diethylphthalate	1.8		0.37	mg/kg dry	1.89	0.032 U	95	65-128	2	10	
Dimethylphthalate	1.8		0.37	mg/kg dry	1.89	0.037 U	96	63-124	2	10	
Di-n-butylphthalate	1.8		0.37	mg/kg dry	1.89	0.047 U	93	63-133	6	10	
Di-n-octylphthalate	1.8		0.37	mg/kg dry	1.89	0.037 U	94	54-142	4	10	
DPH (as Azobenzene)	1.8		0.37	mg/kg dry	1.89	0.037 U	93	75-125	1	25	
Fluoranthene	1.7		0.37	mg/kg dry	1.89	0.041 U	90	67-152	3	50	
Fluorene	1.7		0.37	mg/kg dry	1.89	0.033 U	91	68-135	1	20	
Hexachlorobenzene	1.8		0.37	mg/kg dry	1.89	0.029 U	96	60-120	6	10	
Hexachlorobutadiene	1.7		0.37	mg/kg dry	1.89	0.029 U	88	55-136	4	12	
Hexachlorocyclopentadiene	1.7		0.37	mg/kg dry	1.89	0.044 U	91	24-132	4	16	
Hexachloroethane	1.6		0.37	mg/kg dry	1.89	0.024 U	86	47-117	3	13	
Indeno(1,2,3-cd)pyrene	2.0		0.37	mg/kg dry	1.89	0.053 U	103	47-153	6	50	
Isophorone	1.7		0.37	mg/kg dry	1.89	0.034 U	90	61-135	0.8	10	
Nitrobenzene	1.7		0.37	mg/kg dry	1.89	0.029 U	88	49-122	4	11	
N-Nitrosodimethylamine	1.6		0.37	mg/kg dry	1.89	0.024 U	84	36-117	2	11	
N-Nitroso-di-n-propylamine	1.8		0.37	mg/kg dry	1.89	0.092 U	93	55-135	2	10	
Pentachlorophenol	1.9		0.37	mg/kg dry	1.89	0.037 U	101	45-117	2	10	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS - Continued

Matrix Spike Dup (5L05002-MSD1) Continued Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 04:09

Source: C515484-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenanthrene	1.8		0.37	mg/kg dry	1.89	0.031 U	93	62-137	5	50	
Phenol	1.7		0.37	mg/kg dry	1.89	0.025 U	89	54-121	5	13	
Pyrene	1.7		0.37	mg/kg dry	1.89	0.043 U	91	65-146	3	50	
2,4,6-Tribromophenol	*3.4*			*mg/kg dry*	*3.78*		*91*	*28-130*			
2-Fluorobiphenyl	*1.8*			*mg/kg dry*	*1.89*		*93*	*56-120*			
2-Fluorophenol	*3.0*			*mg/kg dry*	*3.78*		*80*	*49-126*			
Nitrobenzene-d5	*1.7*			*mg/kg dry*	*1.89*		*91*	*50-117*			
Phenol-d5	*3.2*			*mg/kg dry*	*3.78*		*86*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg dry*	*1.89*		*91*	*36-151*			

Tentatively Identified Compounds by Semivolatile GCMS - Quality Control

Batch 5L05002 - EPA 3550C_MS

Blank (5L05002-BLK1) Prepared: 12/05/2015 18:00 Analyzed: 12/09/2015 02:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		mg/kg wet							

Classical Chemistry Parameters - Quality Control

Batch 5L04031 - % Solids

Duplicate (5L04031-DUP1) Prepared & Analyzed: 12/04/2015 15:41

Source: C515072-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	87		0.1	% by Weight		88			1	10	

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS

Blank (5L08017-BLK1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.0005	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.0009	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.0038	U	0.0050	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

Blank (5L08017-BLK1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.0008	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.0007	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.0007	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.0004	U	0.0010	mg/kg wet							
2-Butanone	0.0020	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.0005	U	0.0010	mg/kg wet							
2-Hexanone	0.0034	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.0006	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.0008	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.0036	U	0.0050	mg/kg wet							
Acetone	0.0038	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromobenzene	0.0004	U	0.0010	mg/kg wet							
Bromochloromethane	0.0008	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

Blank (5L08017-BLK1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 10:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
Isopropyl Ether	0.0004	U	0.0010	mg/kg wet							
Isopropylbenzene	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	**0.0027**	**J**	0.0050	mg/kg wet							J-01, O-01
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
Naphthalene	0.0006	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.0009	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.0006	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Styrene	0.0004	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.0006	U	0.0010	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl acetate	0.0003	U	0.0050	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.058*			*mg/kg wet*	*0.0500*		*116*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.022		0.0010	mg/kg wet	0.0200		109	45-157			
1,1,2,2-Tetrachloroethane	0.020		0.0010	mg/kg wet	0.0200		102	47-151			
1,1,2-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		103	49-148			
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		115	52-148			
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		113	22-166			
1,1-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200		122	49-144			
1,2,3-Trichlorobenzene	0.036		0.0010	mg/kg wet	0.0200		178	39-166			QL-02
1,2,3-Trichloropropane	0.021		0.0050	mg/kg wet	0.0200		105	45-150			
1,2,4-Trichlorobenzene	0.026		0.0010	mg/kg wet	0.0200		129	47-155			
1,2,4-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		102	57-137			
1,2-Dibromoethane	0.018		0.0010	mg/kg wet	0.0200		92	52-145			
1,2-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		97	59-131			
1,2-Dichloroethane	0.019		0.0010	mg/kg wet	0.0200		97	39-162			
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		103	52-139			
1,3,5-Trimethylbenzene	0.019		0.0010	mg/kg wet	0.0200		97	57-134			
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	60-131			
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		96	45-154			
1,4-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	61-135			
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200		111	46-150			
2-Butanone	0.14		0.0050	mg/kg wet	0.100		138	10-180			
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		100	55-135			
2-Hexanone	0.099		0.0050	mg/kg wet	0.100		99	43-177			
4-Chlorotoluene	0.019		0.0010	mg/kg wet	0.0200		97	59-135			
4-Isopropyltoluene	0.020		0.0010	mg/kg wet	0.0200		101	65-154			
4-Methyl-2-pentanone	0.099		0.0050	mg/kg wet	0.100		99	31-174			
Acetone	0.15		0.0050	mg/kg wet	0.100		147	21-180			
Benzene	0.021		0.0010	mg/kg wet	0.0200		103	49-142			
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		90	49-157			
Bromochloromethane	0.021		0.0010	mg/kg wet	0.0200		103	47-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200		104	45-146			
Bromoform	0.020		0.0010	mg/kg wet	0.0200		101	40-155			
Bromomethane	0.014		0.0010	mg/kg wet	0.0200		72	10-180			
Carbon Tetrachloride	0.017		0.0010	mg/kg wet	0.0200		83	43-163			
Chlorobenzene	0.018		0.0010	mg/kg wet	0.0200		92	45-147			
Chloroethane	0.023		0.0010	mg/kg wet	0.0200		117	10-180			
Chloroform	0.021		0.0010	mg/kg wet	0.0200		106	48-148			
Chloromethane	0.023		0.0010	mg/kg wet	0.0200		114	38-160			
cis-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		105	48-137			
cis-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200		102	54-140			
Dibromochloromethane	0.020		0.0010	mg/kg wet	0.0200		102	44-149			
Dichlorodifluoromethane	0.017		0.0010	mg/kg wet	0.0200		86	15-180			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		93	54-139			
Isopropyl Ether	0.024		0.0010	mg/kg wet	0.0200		120	10-161			
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200		98	55-137			
Methylene Chloride	0.023		0.0050	mg/kg wet	0.0200		116	28-152			
Methyl-tert-Butyl Ether	0.022		0.0010	mg/kg wet	0.0200		110	40-153			
Naphthalene	0.040		0.0010	mg/kg wet	0.0200		198	26-180			J-02, QL-02
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200		104	52-148			
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200		101	54-141			
sec-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200		100	61-134			
Styrene	0.020		0.0010	mg/kg wet	0.0200		98	55-139			
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		94	59-134			
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200		96	46-163			
Toluene	0.019		0.0010	mg/kg wet	0.0200		95	55-136			
trans-1,2-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	50-138			
trans-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200		108	52-155			
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		98	51-147			
Trichlorofluoromethane	0.019		0.0010	mg/kg wet	0.0200		95	49-163			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS (5L08017-BS1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl acetate	0.019		0.0050	mg/kg wet	0.0200		97	10-180			
Vinyl chloride	0.022		0.0010	mg/kg wet	0.0200		109	29-158			
Xylenes (Total)	0.058		0.0020	mg/kg wet				0-200			
4-Bromofluorobenzene	*0.053*			*mg/kg wet*	*0.0500*		*106*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*119*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*111*	*80-123*			

LCS Dup (5L08017-BSD1) Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		107	45-157	2	27	
1,1,2,2-Tetrachloroethane	0.021		0.0010	mg/kg wet	0.0200		104	47-151	2	27	
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200		102	49-148	0.4	28	
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200		115	52-148	0.09	37	
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	22-166	3	23	
1,1-Dichloropropene	0.025		0.0010	mg/kg wet	0.0200		125	49-144	3	42	
1,2,3-Trichlorobenzene	0.028		0.0010	mg/kg wet	0.0200		141	39-166	24	41	
1,2,3-Trichloropropane	0.021		0.0050	mg/kg wet	0.0200		107	45-150	2	27	
1,2,4-Trichlorobenzene	0.023		0.0010	mg/kg wet	0.0200		116	47-155	10	43	
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200		103	57-137	1	33	
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		100	52-145	7	36	
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	59-131	2	35	
1,2-Dichloroethane	0.019		0.0010	mg/kg wet	0.0200		94	39-162	3	20	
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		104	52-139	1	27	
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		101	57-134	4	28	
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		98	60-131	0.7	32	
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		97	45-154	0.5	38	
1,4-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	61-135	0.3	33	
2,2-Dichloropropane	0.023		0.0010	mg/kg wet	0.0200		115	46-150	3	28	
2-Butanone	0.15		0.0050	mg/kg wet	0.100		147	10-180	6	35	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS Dup (5L08017-BSD1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		102	55-135	3	26	
2-Hexanone	0.10		0.0050	mg/kg wet	0.100		103	43-177	4	31	
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		99	59-135	2	29	
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200		106	65-154	4	29	
4-Methyl-2-pentanone	0.10		0.0050	mg/kg wet	0.100		102	31-174	3	33	
Acetone	0.15		0.0050	mg/kg wet	0.100		150	21-180	2	50	
Benzene	0.021		0.0010	mg/kg wet	0.0200		107	49-142	4	19	
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		89	49-157	0.9	33	
Bromochloromethane	0.021		0.0010	mg/kg wet	0.0200		104	47-148	1	33	
Bromodichloromethane	0.020		0.0010	mg/kg wet	0.0200		102	45-146	1	21	
Bromoform	0.021		0.0010	mg/kg wet	0.0200		105	40-155	4	27	
Bromomethane	0.017		0.0010	mg/kg wet	0.0200		87	10-180	19	34	
Carbon Tetrachloride	0.020		0.0010	mg/kg wet	0.0200		100	43-163	19	20	
Chlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	45-147	4	18	
Chloroethane	0.022		0.0010	mg/kg wet	0.0200		112	10-180	4	49	
Chloroform	0.022		0.0010	mg/kg wet	0.0200		110	48-148	4	29	
Chloromethane	0.023		0.0010	mg/kg wet	0.0200		115	38-160	2	30	
cis-1,2-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		100	48-137	4	20	
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		105	54-140	3	27	
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200		105	44-149	3	25	
Dichlorodifluoromethane	0.017		0.0010	mg/kg wet	0.0200		85	15-180	0.9	44	
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		97	54-139	4	33	
Isopropyl Ether	0.024		0.0010	mg/kg wet	0.0200		122	10-161	0.9	30	
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200		100	55-137	3	28	
Methylene Chloride	0.022		0.0050	mg/kg wet	0.0200		111	28-152	4	50	
Methyl-tert-Butyl Ether	0.023		0.0010	mg/kg wet	0.0200		114	40-153	4	42	
Naphthalene	0.034		0.0010	mg/kg wet	0.0200		169	26-180	16	44	
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200		106	52-148	2	31	
n-Propyl Benzene	0.021		0.0010	mg/kg wet	0.0200		104	54-141	3	32	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L08017 - EPA 5030B_MS - Continued

LCS Dup (5L08017-BSD1) Continued Prepared: 12/08/2015 00:00 Analyzed: 12/08/2015 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200		103	61-134	3	27	
Styrene	0.020		0.0010	mg/kg wet	0.0200		99	55-139	2	31	
tert-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		96	59-134	3	25	
Tetrachloroethene	0.020		0.0010	mg/kg wet	0.0200		100	46-163	4	26	
Toluene	0.020		0.0010	mg/kg wet	0.0200		98	55-136	3	21	
trans-1,2-Dichloroethene	0.025		0.0010	mg/kg wet	0.0200		125	50-138	6	29	
trans-1,3-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200		113	52-155	4	21	
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		99	51-147	1	26	
Trichlorofluoromethane	0.018		0.0010	mg/kg wet	0.0200		92	49-163	4	42	
Vinyl acetate	0.019		0.0050	mg/kg wet	0.0200		97	10-180	0.9	30	
Vinyl chloride	0.022		0.0010	mg/kg wet	0.0200		108	29-158	0.4	23	
Xylenes (Total)	0.059		0.0020	mg/kg wet				0-200	2	200	
4-Bromofluorobenzene	*0.054*			*mg/kg wet*	*0.0500*		*108*	*71-126*			
Dibromofluoromethane	*0.059*			*mg/kg wet*	*0.0500*		*119*	*72-133*			
Toluene-d8	*0.056*			*mg/kg wet*	*0.0500*		*113*	*80-123*			

Batch 5L09009 - EPA 5030B_MS

Blank (5L09009-BLK1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 09:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,1-Dichloropropene	0.74	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.86	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.70	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.69	U	1.0	ug/L							
1,2-Dibromoethane	0.78	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.58	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,3-Dichloropropane	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

Blank (5L09009-BLK1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 09:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,2-Dichloropropane	0.66	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Chlorotoluene	0.68	U	1.0	ug/L							
2-Hexanone	1.4	U	5.0	ug/L							
4-Chlorotoluene	0.65	U	1.0	ug/L							
4-Isopropyltoluene	0.80	U	1.0	ug/L							
4-Methyl-2-pentanone	0.79	U	5.0	ug/L							
Acetone	5.0	U	10	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromobenzene	0.77	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Isopropyl Ether	0.55	U	1.0	ug/L							
Isopropylbenzene	0.67	U	1.0	ug/L							
Methylene chloride	2.0	U	5.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
Naphthalene	0.82	U	1.0	ug/L							
n-Butyl Benzene	0.70	U	1.0	ug/L							
n-Propyl Benzene	0.70	U	1.0	ug/L							
sec-Butylbenzene	0.74	U	1.0	ug/L							
Styrene	0.61	U	1.0	ug/L							
tert-Butylbenzene	0.64	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl acetate	0.60	U	5.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*110*	*41-142*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*105*	*53-146*			
Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*41-146*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

LCS (5L09009-BS1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 08:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	21		1.0	ug/L	20.0		103	57-148			
1,1,2,2-Tetrachloroethane	17		1.0	ug/L	20.0		84	60-139			
1,1,2-Trichloroethane	18		1.0	ug/L	20.0		91	57-141			
1,1-Dichloroethane	24		1.0	ug/L	20.0		122	57-142			
1,1-Dichloroethene	24		1.0	ug/L	20.0		118	47-139			
1,1-Dichloropropene	24		1.0	ug/L	20.0		122	56-137			
1,2,3-Trichlorobenzene	12		1.0	ug/L	20.0		58	43-168			
1,2,3-Trichloropropane	21		1.0	ug/L	20.0		104	57-141			
1,2,4-Trichlorobenzene	12		1.0	ug/L	20.0		62	52-159			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0		98	59-142			
1,2-Dibromoethane	18		1.0	ug/L	20.0		89	57-140			
1,2-Dichlorobenzene	18		1.0	ug/L	20.0		92	63-131			
1,2-Dichloroethane	21		1.0	ug/L	20.0		103	50-156			
1,2-Dichloropropane	21		1.0	ug/L	20.0		106	61-133			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0		98	61-137			
1,3-Dichlorobenzene	19		1.0	ug/L	20.0		93	66-129			
1,3-Dichloropropane	18		1.0	ug/L	20.0		91	50-148			
1,4-Dichlorobenzene	19		1.0	ug/L	20.0		94	65-133			
2,2-Dichloropropane	21		1.0	ug/L	20.0		105	54-146			
2-Butanone	110		5.0	ug/L	100		107	10-180			
2-Chlorotoluene	20		1.0	ug/L	20.0		98	64-133			
2-Hexanone	99		5.0	ug/L	100		99	12-180			
4-Chlorotoluene	19		1.0	ug/L	20.0		97	62-138			
4-Isopropyltoluene	21		1.0	ug/L	20.0		103	67-153			
4-Methyl-2-pentanone	85		5.0	ug/L	100		85	19-180			
Acetone	120		10	ug/L	100		124	10-180			
Benzene	21		1.0	ug/L	20.0		104	56-136			
Bromobenzene	17		1.0	ug/L	20.0		83	59-147			
Bromochloromethane	22		1.0	ug/L	20.0		108	54-141			
Bromodichloromethane	20		1.0	ug/L	20.0		98	58-135			
Bromoform	18		1.0	ug/L	20.0		88	46-148			
Bromomethane	12		1.0	ug/L	20.0		59	10-173			
Carbon tetrachloride	22		1.0	ug/L	20.0		112	54-156			
Chlorobenzene	18		1.0	ug/L	20.0		91	51-139			
Chloroethane	24		1.0	ug/L	20.0		121	27-180			
Chloroform	21		1.0	ug/L	20.0		105	58-139			
Chloromethane	22		1.0	ug/L	20.0		108	33-154			
cis-1,2-Dichloroethene	20		1.0	ug/L	20.0		99	56-128			
cis-1,3-Dichloropropene	19		1.0	ug/L	20.0		96	64-128			
Dibromochloromethane	19		1.0	ug/L	20.0		95	50-140			
Dichlorodifluoromethane	16		1.0	ug/L	20.0		78	10-180			
Ethylbenzene	18		1.0	ug/L	20.0		88	63-133			
Isopropyl Ether	24		1.0	ug/L	20.0		120	36-146			
Isopropylbenzene	19		1.0	ug/L	20.0		94	60-132			
Methylene chloride	23		5.0	ug/L	20.0		114	43-142			
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0		96	51-145			
Naphthalene	12		1.0	ug/L	20.0		58	40-172			
n-Butyl Benzene	21		1.0	ug/L	20.0		104	59-148			
n-Propyl Benzene	20		1.0	ug/L	20.0		99	63-135			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

LCS (5L09009-BS1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 08:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	20		1.0	ug/L	20.0		102	63-137			
Styrene	19		1.0	ug/L	20.0		93	59-136			
tert-Butylbenzene	20		1.0	ug/L	20.0		99	61-136			
Tetrachloroethene	18		1.0	ug/L	20.0		91	60-147			
Toluene	19		1.0	ug/L	20.0		93	64-131			
trans-1,2-Dichloroethene	23		1.0	ug/L	20.0		116	54-134			
trans-1,3-Dichloropropene	20		1.0	ug/L	20.0		100	65-149			
Trichloroethene	19		1.0	ug/L	20.0		94	62-135			
Trichlorofluoromethane	19		1.0	ug/L	20.0		93	56-155			
Vinyl acetate	19		5.0	ug/L	20.0		95	10-134			
Vinyl chloride	20		1.0	ug/L	20.0		102	20-167			
4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*107*	*41-142*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*105*	*53-146*			
Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*41-146*			

Matrix Spike (5L09009-MS1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 18:50

Source: A507284-35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	23		1.0	ug/L	20.0	0.80 U	115	57-148			
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0	0.54 U	95	60-139			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.76 U	98	57-141			
1,1-Dichloroethane	25		1.0	ug/L	20.0	0.62 U	123	57-142			
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.94 U	129	47-139			
1,1-Dichloropropene	26		1.0	ug/L	20.0	0.74 U	131	56-137			
1,2,3-Trichlorobenzene	16		1.0	ug/L	20.0	0.86 U	81	43-168			
1,2,3-Trichloropropane	23		1.0	ug/L	20.0	0.64 U	116	57-141			
1,2,4-Trichlorobenzene	17		1.0	ug/L	20.0	0.70 U	83	52-159			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.69 U	98	59-142			
1,2-Dibromoethane	20		1.0	ug/L	20.0	0.78 U	100	57-140			
1,2-Dichlorobenzene	19		1.0	ug/L	20.0	0.73 U	95	63-131			
1,2-Dichloroethane	23		1.0	ug/L	20.0	0.63 U	114	50-156			
1,2-Dichloropropane	21		1.0	ug/L	20.0	0.80 U	106	61-133			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.58 U	99	61-137			
1,3-Dichlorobenzene	19		1.0	ug/L	20.0	0.77 U	95	66-129			
1,3-Dichloropropane	19		1.0	ug/L	20.0	0.60 U	96	50-148			
1,4-Dichlorobenzene	19		1.0	ug/L	20.0	0.76 U	95	65-133			
2,2-Dichloropropane	23		1.0	ug/L	20.0	0.66 U	114	54-146			
2-Butanone	120		5.0	ug/L	100	4.5 U	119	10-180			
2-Chlorotoluene	20		1.0	ug/L	20.0	0.68 U	100	64-133			
2-Hexanone	110		5.0	ug/L	100	1.4 U	109	12-180			
4-Chlorotoluene	20		1.0	ug/L	20.0	0.65 U	98	62-138			
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.80 U	106	67-153			
4-Methyl-2-pentanone	97		5.0	ug/L	100	0.79 U	97	19-180			
Acetone	130		10	ug/L	100	5.0 U	129	10-180			
Benzene	21		1.0	ug/L	20.0	0.71 U	107	56-136			
Bromobenzene	19		1.0	ug/L	20.0	0.77 U	93	59-147			
Bromochloromethane	23		1.0	ug/L	20.0	0.94 U	116	54-141			
Bromodichloromethane	20		1.0	ug/L	20.0	0.52 U	102	58-135			
Bromoform	18		1.0	ug/L	20.0	0.75 U	91	46-148			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

Matrix Spike (5L09009-MS1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 18:50

Source: A507284-35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromomethane	6.1		1.0	ug/L	20.0	0.95 U	30	10-173			
Carbon tetrachloride	24		1.0	ug/L	20.0	0.94 U	120	54-156			
Chlorobenzene	20		1.0	ug/L	20.0	0.72 U	98	51-139			
Chloroethane	27		1.0	ug/L	20.0	0.98 U	133	27-180			
Chloroform	23		1.0	ug/L	20.0	0.80 U	114	58-139			
Chloromethane	22		1.0	ug/L	20.0	0.82 U	109	33-154			
cis-1,2-Dichloroethene	21		1.0	ug/L	20.0	0.53 U	104	56-128			
cis-1,3-Dichloropropene	19		1.0	ug/L	20.0	0.59 U	95	64-128			
Dibromochloromethane	20		1.0	ug/L	20.0	0.44 U	100	50-140			
Dichlorodifluoromethane	18		1.0	ug/L	20.0	0.74 U	92	10-180			
Ethylbenzene	20		1.0	ug/L	20.0	0.69 U	100	63-133			
Isopropyl Ether	23		1.0	ug/L	20.0	0.55 U	116	36-146			
Isopropylbenzene	21		1.0	ug/L	20.0	0.67 U	106	60-132			
Methylene chloride	23		5.0	ug/L	20.0	2.0 U	116	43-142			
Methyl-tert-Butyl Ether	20		1.0	ug/L	20.0	0.60 U	101	51-145			
Naphthalene	17		1.0	ug/L	20.0	0.82 U	85	40-172			
n-Butyl Benzene	21		1.0	ug/L	20.0	0.70 U	105	59-148			
n-Propyl Benzene	22		1.0	ug/L	20.0	0.70 U	108	63-135			
sec-Butylbenzene	21		1.0	ug/L	20.0	0.74 U	106	63-137			
Styrene	20		1.0	ug/L	20.0	0.61 U	100	59-136			
tert-Butylbenzene	21		1.0	ug/L	20.0	0.64 U	103	61-136			
Tetrachloroethene	20		1.0	ug/L	20.0	0.76 U	102	60-147			
Toluene	21		1.0	ug/L	20.0	1.1	99	64-131			
trans-1,2-Dichloroethene	25		1.0	ug/L	20.0	0.73 U	126	54-134			
trans-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.73 U	100	65-149			
Trichloroethene	21		1.0	ug/L	20.0	0.89 U	105	62-135			
Trichlorofluoromethane	23		1.0	ug/L	20.0	0.94 U	113	56-155			
Vinyl acetate	16		5.0	ug/L	20.0	0.60 U	78	10-134			
Vinyl chloride	23		1.0	ug/L	20.0	0.71 U	116	20-167			
4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*111*	*41-142*			
Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*53-146*			
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*41-146*			

Matrix Spike Dup (5L09009-MSD1) Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 19:21

Source: A507284-35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	23		1.0	ug/L	20.0	0.80 U	115	57-148	0.04	25	
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0	0.54 U	93	60-139	2	17	
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.76 U	98	57-141	0.05	16	
1,1-Dichloroethane	24		1.0	ug/L	20.0	0.62 U	121	57-142	2	24	
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.94 U	122	47-139	5	16	
1,1-Dichloropropene	26		1.0	ug/L	20.0	0.74 U	130	56-137	1	25	
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.86 U	100	43-168	22	26	
1,2,3-Trichloropropane	21		1.0	ug/L	20.0	0.64 U	105	57-141	10	19	
1,2,4-Trichlorobenzene	16		1.0	ug/L	20.0	0.70 U	78	52-159	7	24	
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.69 U	101	59-142	3	25	
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.78 U	96	57-140	5	16	
1,2-Dichlorobenzene	19		1.0	ug/L	20.0	0.73 U	95	63-131	0.1	25	
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.63 U	100	50-156	12	18	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

Matrix Spike Dup (5L09009-MSD1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 19:21

Source: A507284-35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	21		1.0	ug/L	20.0	0.80 U	105	61-133	1	26	
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.58 U	99	61-137	0.2	24	
1,3-Dichlorobenzene	19		1.0	ug/L	20.0	0.77 U	96	66-129	1	23	
1,3-Dichloropropane	19		1.0	ug/L	20.0	0.60 U	93	50-148	3	16	
1,4-Dichlorobenzene	19		1.0	ug/L	20.0	0.76 U	94	65-133	0.9	23	
2,2-Dichloropropane	22		1.0	ug/L	20.0	0.66 U	108	54-146	5	19	
2-Butanone	120		5.0	ug/L	100	4.5 U	122	10-180	3	29	
2-Chlorotoluene	20		1.0	ug/L	20.0	0.68 U	101	64-133	0.5	22	
2-Hexanone	110		5.0	ug/L	100	1.4 U	111	12-180	2	28	
4-Chlorotoluene	19		1.0	ug/L	20.0	0.65 U	97	62-138	2	22	
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.80 U	106	67-153	0.09	25	
4-Methyl-2-pentanone	96		5.0	ug/L	100	0.79 U	96	19-180	2	24	
Acetone	140		10	ug/L	100	5.0 U	140	10-180	8	19	
Benzene	21		1.0	ug/L	20.0	0.71 U	105	56-136	2	14	
Bromobenzene	18		1.0	ug/L	20.0	0.77 U	88	59-147	5	23	
Bromochloromethane	23		1.0	ug/L	20.0	0.94 U	115	54-141	0.5	18	
Bromodichloromethane	20		1.0	ug/L	20.0	0.52 U	102	58-135	0.1	19	
Bromoform	18		1.0	ug/L	20.0	0.75 U	90	46-148	0.8	18	
Bromomethane	7.2		1.0	ug/L	20.0	0.95 U	36	10-173	17	29	
Carbon tetrachloride	20		1.0	ug/L	20.0	0.94 U	98	54-156	20	27	
Chlorobenzene	19		1.0	ug/L	20.0	0.72 U	95	51-139	3	13	
Chloroethane	26		1.0	ug/L	20.0	0.98 U	131	27-180	2	22	
Chloroform	22		1.0	ug/L	20.0	0.80 U	112	58-139	2	17	
Chloromethane	22		1.0	ug/L	20.0	0.82 U	108	33-154	0.9	31	
cis-1,2-Dichloroethene	20		1.0	ug/L	20.0	0.53 U	102	56-128	1	17	
cis-1,3-Dichloropropene	19		1.0	ug/L	20.0	0.59 U	94	64-128	2	20	
Dibromochloromethane	20		1.0	ug/L	20.0	0.44 U	100	50-140	0.1	18	
Dichlorodifluoromethane	18		1.0	ug/L	20.0	0.74 U	92	10-180	0.5	26	
Ethylbenzene	20		1.0	ug/L	20.0	0.69 U	98	63-133	2	18	
Isopropyl Ether	23		1.0	ug/L	20.0	0.55 U	116	36-146	0.2	17	
Isopropylbenzene	21		1.0	ug/L	20.0	0.67 U	103	60-132	3	23	
Methylene chloride	22		5.0	ug/L	20.0	2.0 U	112	43-142	3	23	
Methyl-tert-Butyl Ether	20		1.0	ug/L	20.0	0.60 U	101	51-145	0.4	22	
Naphthalene	17		1.0	ug/L	20.0	0.82 U	83	40-172	3	35	
n-Butyl Benzene	21		1.0	ug/L	20.0	0.70 U	104	59-148	0.1	25	
n-Propyl Benzene	22		1.0	ug/L	20.0	0.70 U	108	63-135	0.2	21	
sec-Butylbenzene	21		1.0	ug/L	20.0	0.74 U	104	63-137	2	23	
Styrene	20		1.0	ug/L	20.0	0.61 U	99	59-136	1	32	
tert-Butylbenzene	20		1.0	ug/L	20.0	0.64 U	102	61-136	0.2	25	
Tetrachloroethene	20		1.0	ug/L	20.0	0.76 U	100	60-147	2	21	
Toluene	21		1.0	ug/L	20.0	1.1	99	64-131	0.4	16	
trans-1,2-Dichloroethene	23		1.0	ug/L	20.0	0.73 U	116	54-134	8	20	
trans-1,3-Dichloropropene	21		1.0	ug/L	20.0	0.73 U	104	65-149	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	102	62-135	3	20	
Trichlorofluoromethane	22		1.0	ug/L	20.0	0.94 U	112	56-155	1	22	
Vinyl acetate	18		5.0	ug/L	20.0	0.60 U	90	10-134	14	32	
Vinyl chloride	23		1.0	ug/L	20.0	0.71 U	113	20-167	2	24	
4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*41-142*			
Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*53-146*			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5L09009 - EPA 5030B_MS - Continued

Matrix Spike Dup (5L09009-MSD1) Continued Prepared: 12/09/2015 00:00 Analyzed: 12/09/2015 19:21

Source: A507284-35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*41-146*			

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
J-01	Result is estimated due to positive results in the associated method blank.
J-02	Result is estimated due to bias in the associated laboratory control sample (LCS).
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.

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DC320027, Model Laundry.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: URS - Charlotte (UR004)	Project Number: 32-0027 Model Laundry
Address: SouthPark Towers, 6000 Fairview Road, Suite 200	Project Name/Desc: DSCA
City/ST/Zip: Charlotte, NC 28210	PO # / Billing Info: Vendor# 1198823/Subcontract# DSCA-010-297
Tel: (704) 522-0330 Fax: (704) 522-0330	Reporting Contact: Carlin Slusher
Sampler(s) Name, Affiliation (Print): Carlin Slusher	Billing Contact: Accounts Payable (Carlin Slusher)
Sampler(s) Signature: [signature]	Site Location / Time Zone: Durham, NC

Requested Analyses: %Solids, 8270D, 8270D Extended, 8270D TICs; 8260B, 8260B Extended

Requested Turnaround Times
Note : Rush requests subject to acceptance by the facility
X Standard 5 day
___ Expedited
Due __/__/__

Lab Workorder: ~~C514952~~ C515484

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	SB-10 0-1	12/2/15	1000	Grab	SO	4	X	X	HOLD
	SB-10 1-1.3		1005		SO	4	X	X	
	SB-13 0-1		1035		SO	4	X	X	HOLD
	SB-13 2-3		1040	Grab	SO	4	X	X	
	Trip Blank		—	—	WA	2		X	
	SB-12 0-1		1115	Grab	SO	4	X	X	HOLD
	SB-12 2-3		1120				X	X	
	SB-11 0-1		1150				X	X	HOLD
	SB-11 2-3	12/2/15	1155	Grab	SO	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: [signature]	Date/Time: 12/2/15 1030	Received By: [signature]	Date/Time: 12/3/15 1233
Comments/Special Reporting Requirements: * 5 day TAT is critical.		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: [signature]	Date/Time: 12/3/15 1:05
		Cooler #'s & Temps on Receipt: 2.3°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Wednesday, February 3, 2016
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0027 Model Laundry, Project Name/Desc: DSCA
ENCO Workorder(s): CZ00588

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, January 20, 2016.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 03 February 2016
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: CZ00588

Overview

This report is an amendment to the original report dated 27 January 2016 for this work order. This report was revised, at the client's request to add additional test results for a sample previously on hold.

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The spike recovery of Dibromomethane was outside of control limits for the 8260B MSD sample. The QC batch was approved based on acceptable LCS recovery of this analyte.

Precision between duplicate spikes of 2-Methyl-4,6-dinitrophenol, 4-Chloro-3-methylphenol, 4-Chlorophenyl-phenyl ether, 4-Nitrophenol, Butylbenzylphthalate, and Diethylphthalate exceeded acceptance limits for the 8270D MS and MSD samples. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data. The Continuing Calibration Verification Standard (CCV) exhibited a high bias for Butylbenzylphthalate; however, this analyte was not detected in the associated samples, reducing the impact of the deviation. The CCV exhibited a low bias for Benzoic Acid. The reported results should be considered minimum estimates.

Quality Control Remarks

The 8270D surrogate spike recovery of Terphenyl-d14 is estimated for the reported field and QC samples associated with this project due to an observed high bias in the CCV.

Other Comments

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-14 (0-1) **Lab ID: CZ00588-01** **Sampled: 01/20/16 10:20** **Received: 01/20/16 11:45**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	07/18/16		01/21/16	15:49	01/21/16 15:49
EPA 8270D	02/03/16	03/01/16	01/21/16	07:15	01/21/16 14:51

Client ID: SB-14 (0-1) **Lab ID: CZ00588-01RE1** **Sampled: 01/20/16 10:20** **Received: 01/20/16 11:45**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	02/03/16		01/21/16	09:58	01/21/16 16:12

Client ID: SB-15 (0-1) **Lab ID: CZ00588-02** **Sampled: 01/20/16 10:30** **Received: 01/20/16 11:45**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	07/18/16		01/21/16	15:49	01/21/16 15:49
EPA 8260B	02/03/16		01/20/16	10:47	01/20/16 23:47
EPA 8270D	02/03/16	03/01/16	01/21/16	07:15	01/21/16 16:24

Client ID: SB-15 (2-3) **Lab ID: CZ00588-04** **Sampled: 01/20/16 10:35** **Received: 01/20/16 11:45**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	07/18/16		02/01/16	14:35	02/01/16 14:35
EPA 8260B	02/03/16		01/20/16	10:47	01/21/16 00:46
EPA 8270D	02/03/16	03/08/16	01/28/16	20:10	02/03/16 01:53

Client ID: Trip Blank **Lab ID: CZ00588-05** **Sampled: 01/20/16 10:20** **Received: 01/20/16 11:45**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	02/03/16		01/26/16	10:21	01/26/16 15:15

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SAMPLE DETECTION SUMMARY

Client ID: SB-14 (0-1) **Lab ID: CZ00588-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	82		0.1	0.1	% by Weight	% Solids	

Client ID: SB-14 (0-1) **Lab ID: CZ00588-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	0.0079		0.00034	0.0012	mg/kg dry	EPA 8260B	
Toluene	0.0019		0.00029	0.0012	mg/kg dry	EPA 8260B	

Client ID: SB-15 (0-1) **Lab ID: CZ00588-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	87		0.1	0.1	% by Weight	% Solids	
2-Butanone	0.0025	J	0.00070	0.0045	mg/kg dry	EPA 8260B	
Acenaphthene	0.37	JD	0.097	1.1	mg/kg dry	EPA 8270D	
Acetone	0.0099		0.0013	0.0045	mg/kg dry	EPA 8260B	
Anthracene	1.4	D	0.13	1.1	mg/kg dry	EPA 8270D	
Benzo(a)anthracene	4.0	D	0.097	1.1	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	3.2	D	0.11	1.1	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	4.1	D	0.062	1.1	mg/kg dry	EPA 8270D	
Benzo(g,h,i)perylene	1.8	D	0.16	1.1	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	1.9	D	0.11	1.1	mg/kg dry	EPA 8270D	
Chrysene	3.7	D	0.10	1.1	mg/kg dry	EPA 8270D	
Dibenzo(a,h)anthracene	0.54	JD	0.18	1.1	mg/kg dry	EPA 8270D	
Dibenzofuran	0.20	JD	0.093	1.1	mg/kg dry	EPA 8270D	
Fluoranthene	7.9	D	0.12	1.1	mg/kg dry	EPA 8270D	
Fluorene	0.48	JD	0.10	1.1	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	1.8	D	0.16	1.1	mg/kg dry	EPA 8270D	
Naphthalene	0.0016		0.00024	0.00090	mg/kg dry	EPA 8260B	
n-Butyl Benzene	0.0012		0.00012	0.00090	mg/kg dry	EPA 8260B	
Phenanthrene	4.9	D	0.093	1.1	mg/kg dry	EPA 8270D	
Pyrene	6.6	D	0.13	1.1	mg/kg dry	EPA 8270D	
sec-Butylbenzene	0.0011		0.00085	0.00090	mg/kg dry	EPA 8260B	
Toluene	0.0015		0.00022	0.00090	mg/kg dry	EPA 8260B	

Client ID: SB-15 (2-3) **Lab ID: CZ00588-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	88		0.1	0.1	% by Weight	% Solids	
1,2,4-Trimethylbenzene	0.00062	J	0.00022	0.0013	mg/kg dry	EPA 8260B	
2-Butanone	0.0035	J	0.0010	0.0065	mg/kg dry	EPA 8260B	
2-Methylnaphthalene	0.13	JD	0.095	1.1	mg/kg dry	EPA 8270D	
Acenaphthene	0.25	JD	0.095	1.1	mg/kg dry	EPA 8270D	
Acetone	0.013		0.0018	0.0065	mg/kg dry	EPA 8260B	
Anthracene	0.54	JD	0.13	1.1	mg/kg dry	EPA 8270D	
Benzo(a)anthracene	1.3	D	0.095	1.1	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	1.3	D	0.11	1.1	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	1.6	D	0.061	1.1	mg/kg dry	EPA 8270D	
Benzo(g,h,i)perylene	0.78	JD	0.16	1.1	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	0.66	JD	0.11	1.1	mg/kg dry	EPA 8270D	
Bis(2-ethylhexyl)phthalate	0.43	JD	0.12	1.1	mg/kg dry	EPA 8270D	
Chrysene	1.3	D	0.10	1.1	mg/kg dry	EPA 8270D	
Dibenzo(a,h)anthracene	0.22	JD	0.17	1.1	mg/kg dry	EPA 8270D	
Dibenzofuran	0.13	JD	0.092	1.1	mg/kg dry	EPA 8270D	
Fluoranthene	3.1	D	0.12	1.1	mg/kg dry	EPA 8270D	
Fluorene	0.22	JD	0.099	1.1	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	0.69	JD	0.16	1.1	mg/kg dry	EPA 8270D	
Naphthalene	0.0037		0.00035	0.0013	mg/kg dry	EPA 8260B	
Phenanthrene	2.0	D	0.092	1.1	mg/kg dry	EPA 8270D	
Pyrene	2.6	D	0.13	1.1	mg/kg dry	EPA 8270D	
Toluene	0.0029		0.00031	0.0013	mg/kg dry	EPA 8260B	

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ANALYTICAL RESULTS

Description: SB-14 (0-1)	**Lab Sample ID:** CZ00588-01	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:20	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 81.69

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00031	U	mg/kg dry	1	0.00031	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00024	U	mg/kg dry	1	0.00024	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,1,2-Trichloroethane [79-00-5]^	0.00031	U	mg/kg dry	1	0.00031	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,1-Dichloroethane [75-34-3]^	0.00031	U	mg/kg dry	1	0.00031	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,1-Dichloroethene [75-35-4]^	0.00037	U	mg/kg dry	1	0.00037	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,1-Dichloropropene [563-58-6]^	0.00020	U	mg/kg dry	1	0.00020	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2,3-Trichlorobenzene [87-61-6]^	0.00034	U	mg/kg dry	1	0.00034	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2,3-Trichloropropane [96-18-4]^	0.00078	U	mg/kg dry	1	0.00078	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2,4-Trichlorobenzene [120-82-1]^	0.00033	U	mg/kg dry	1	0.00033	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2,4-Trimethylbenzene [95-63-6]^	0.00021	U	mg/kg dry	1	0.00021	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2-Dibromoethane [106-93-4]^	0.00056	U	mg/kg dry	1	0.00056	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2-Dichlorobenzene [95-50-1]^	0.00033	U	mg/kg dry	1	0.00033	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2-Dichloroethane [107-06-2]^	0.00050	U	mg/kg dry	1	0.00050	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,2-Dichloropropane [78-87-5]^	0.00032	U	mg/kg dry	1	0.00032	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,3,5-Trimethylbenzene [108-67-8]^	0.00024	U	mg/kg dry	1	0.00024	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,3-Dichlorobenzene [541-73-1]^	0.00027	U	mg/kg dry	1	0.00027	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,3-Dichloropropane [142-28-9]^	0.00036	U	mg/kg dry	1	0.00036	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
1,4-Dichlorobenzene [106-46-7]^	0.00024	U	mg/kg dry	1	0.00024	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
2,2-Dichloropropane [594-20-7]^	0.00028	U	mg/kg dry	1	0.00028	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
2-Butanone [78-93-3]^	0.00095	U	mg/kg dry	1	0.00095	0.0061	6A21021	EPA 8260B	01/21/16 16:12	REF	
2-Chlorotoluene [95-49-8]^	0.00022	U	mg/kg dry	1	0.00022	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
2-Hexanone [591-78-6]^	0.00092	U	mg/kg dry	1	0.00092	0.0061	6A21021	EPA 8260B	01/21/16 16:12	REF	
4-Chlorotoluene [106-43-4]^	0.00032	U	mg/kg dry	1	0.00032	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
4-Isopropyltoluene [99-87-6]^	0.00020	U	mg/kg dry	1	0.00020	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
4-Methyl-2-pentanone [108-10-1]^	0.00070	U	mg/kg dry	1	0.00070	0.0061	6A21021	EPA 8260B	01/21/16 16:12	REF	
Acetone [67-64-1]^	0.0017	U	mg/kg dry	1	0.0017	0.0061	6A21021	EPA 8260B	01/21/16 16:12	REF	
Benzene [71-43-2]^	0.00021	U	mg/kg dry	1	0.00021	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Bromobenzene [108-86-1]^	0.00027	U	mg/kg dry	1	0.00027	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Bromochloromethane [74-97-5]^	0.00050	U	mg/kg dry	1	0.00050	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Bromodichloromethane [75-27-4]^	0.00029	U	mg/kg dry	1	0.00029	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Bromoform [75-25-2]^	0.00055	U	mg/kg dry	1	0.00055	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Bromomethane [74-83-9]^	0.00039	U	mg/kg dry	1	0.00039	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Carbon Tetrachloride [56-23-5]^	0.00027	U	mg/kg dry	1	0.00027	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Chlorobenzene [108-90-7]^	0.00021	U	mg/kg dry	1	0.00021	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Chloroethane [75-00-3]^	0.00031	U	mg/kg dry	1	0.00031	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Chloroform [67-66-3]^	0.00022	U	mg/kg dry	1	0.00022	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Chloromethane [74-87-3]^	0.00026	U	mg/kg dry	1	0.00026	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
cis-1,2-Dichloroethene [156-59-2]^	0.00028	U	mg/kg dry	1	0.00028	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
cis-1,3-Dichloropropene [10061-01-5]^	0.00021	U	mg/kg dry	1	0.00021	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Dibromochloromethane [124-48-1]^	0.00043	U	mg/kg dry	1	0.00043	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Dichlorodifluoromethane [75-71-8]^	0.00055	U	mg/kg dry	1	0.00055	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Ethylbenzene [100-41-4]^	0.00024	U	mg/kg dry	1	0.00024	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Isopropyl Ether [108-20-3]^	0.00022	U	mg/kg dry	1	0.00022	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Isopropylbenzene [98-82-8]^	0.00018	U	mg/kg dry	1	0.00018	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Methylene Chloride [75-09-2]^	0.00089	U	mg/kg dry	1	0.00089	0.0024	6A21021	EPA 8260B	01/21/16 16:12	REF	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00037	U	mg/kg dry	1	0.00037	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Naphthalene [91-20-3]^	0.00033	U	mg/kg dry	1	0.00033	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	

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ANALYTICAL RESULTS

Description: SB-14 (0-1)	**Lab Sample ID:** CZ00588-01	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:20	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 81.69

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00016	U	mg/kg dry	1	0.00016	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
n-Propyl Benzene [103-65-1]^	0.00022	U	mg/kg dry	1	0.00022	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
sec-Butylbenzene [135-98-8]^	0.0012	U	mg/kg dry	1	0.0012	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Styrene [100-42-5]^	0.0012	U	mg/kg dry	1	0.0012	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
tert-Butylbenzene [98-06-6]^	0.00021	U	mg/kg dry	1	0.00021	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Tetrachloroethene [127-18-4]^	**0.0079**		mg/kg dry	1	0.00034	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Toluene [108-88-3]^	**0.0019**		mg/kg dry	1	0.00029	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
trans-1,2-Dichloroethene [156-60-5]^	0.00045	U	mg/kg dry	1	0.00045	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
trans-1,3-Dichloropropene [10061-02-6]^	0.00048	U	mg/kg dry	1	0.00048	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Trichloroethene [79-01-6]^	0.00039	U	mg/kg dry	1	0.00039	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Trichlorofluoromethane [75-69-4]^	0.00032	U	mg/kg dry	1	0.00032	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Vinyl acetate [108-05-4]^	0.00058	U	mg/kg dry	1	0.00058	0.0061	6A21021	EPA 8260B	01/21/16 16:12	REF	
Vinyl chloride [75-01-4]^	0.00029	U	mg/kg dry	1	0.00029	0.0012	6A21021	EPA 8260B	01/21/16 16:12	REF	
Xylenes (Total) [1330-20-7]^	0.00069	U	mg/kg dry	1	0.00069	0.0037	6A21021	EPA 8260B	01/21/16 16:12	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*50-127*	*6A21021*	*EPA 8260B*	*01/21/16 16:12*	*REF*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*52-128*	*6A21021*	*EPA 8260B*	*01/21/16 16:12*	*REF*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*57-124*	*6A21021*	*EPA 8260B*	*01/21/16 16:12*	*REF*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.033	U	mg/kg dry	1	0.033	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2,4-Dichlorophenol [120-83-2]^	0.029	U	mg/kg dry	1	0.029	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2,4-Dimethylphenol [105-67-9]^	0.053	U	mg/kg dry	1	0.053	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2,4-Dinitrophenol [51-28-5]^	0.053	U	mg/kg dry	1	0.053	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.038	U	mg/kg dry	1	0.038	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Chloronaphthalene [91-58-7]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Chlorophenol [95-57-8]^	0.031	U	mg/kg dry	1	0.031	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Methylnaphthalene [91-57-6]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Methylphenol [95-48-7]^	0.031	U	mg/kg dry	1	0.031	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
2-Nitrophenol [88-75-5]^	0.038	U	mg/kg dry	1	0.038	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.032	U	mg/kg dry	1	0.032	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.033	U	mg/kg dry	1	0.033	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.032	U	mg/kg dry	1	0.032	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
4-Nitrophenol [100-02-7]^	0.038	U	mg/kg dry	1	0.038	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	QM-11
Acenaphthene [83-32-9]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Acenaphthylene [208-96-8]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Anthracene [120-12-7]^	0.047	U	mg/kg dry	1	0.047	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Benzo(a)anthracene [56-55-3]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Benzo(a)pyrene [50-32-8]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.022	U	mg/kg dry	1	0.022	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	

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ANALYTICAL RESULTS

Description: SB-14 (0-1)	**Lab Sample ID:** CZ00588-01	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:20	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 81.69

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	0.058	U	mg/kg dry	1	0.058	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Benzoic acid [65-85-0]^	0.18	U	mg/kg dry	1	0.18	2.1	6A21001	EPA 8270D	01/21/16 14:51	DFM	QV-02
Benzyl alcohol [100-51-6]^	0.028	U	mg/kg dry	1	0.028	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.031	U	mg/kg dry	1	0.031	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.053	U	mg/kg dry	1	0.053	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.029	U	mg/kg dry	1	0.029	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.043	U	mg/kg dry	1	0.043	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Butylbenzylphthalate [85-68-7]^	0.049	U	mg/kg dry	1	0.049	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	QV-01
Chrysene [218-01-9]^	0.037	U	mg/kg dry	1	0.037	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.062	U	mg/kg dry	1	0.062	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Dibenzofuran [132-64-9]^	0.033	U	mg/kg dry	1	0.033	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Diethylphthalate [84-66-2]^	0.034	U	mg/kg dry	1	0.034	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Dimethylphthalate [131-11-3]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Di-n-butylphthalate [84-74-2]^	0.050	U	mg/kg dry	1	0.050	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Di-n-octylphthalate [117-84-0]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
DPH (as Azobenzene) [103-33-3]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Fluoranthene [206-44-0]^	0.044	U	mg/kg dry	1	0.044	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Fluorene [86-73-7]^	0.036	U	mg/kg dry	1	0.036	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Hexachlorobenzene [118-74-1]^	0.032	U	mg/kg dry	1	0.032	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Hexachlorobutadiene [87-68-3]^	0.032	U	mg/kg dry	1	0.032	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.048	U	mg/kg dry	1	0.048	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Hexachloroethane [67-72-1]^	0.026	U	mg/kg dry	1	0.026	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.058	U	mg/kg dry	1	0.058	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Isophorone [78-59-1]^	0.037	U	mg/kg dry	1	0.037	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Nitrobenzene [98-95-3]^	0.032	U	mg/kg dry	1	0.032	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.026	U	mg/kg dry	1	0.026	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.099	U	mg/kg dry	1	0.099	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.066	U	mg/kg dry	1	0.066	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Pentachlorophenol [87-86-5]^	0.040	U	mg/kg dry	1	0.040	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Phenanthrene [85-01-8]^	0.033	U	mg/kg dry	1	0.033	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Phenol [108-95-2]^	0.027	U	mg/kg dry	1	0.027	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	
Pyrene [129-00-0]^	0.047	U	mg/kg dry	1	0.047	0.40	6A21001	EPA 8270D	01/21/16 14:51	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.0*	*1*	*4.08*	*74 %*	*28-130*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	
2-Fluorobiphenyl	*1.3*	*1*	*2.04*	*63 %*	*56-120*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	
2-Fluorophenol	*2.8*	*1*	*4.08*	*68 %*	*49-126*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.04*	*77 %*	*50-117*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	
Phenol-d5	*3.0*	*1*	*4.08*	*75 %*	*56-120*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*2.04*	*87 %*	*36-151*	*6A21001*	*EPA 8270D*	*01/21/16 14:51*	*DFM*	*J-04*

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ANALYTICAL RESULTS

Description:	SB-14 (0-1)	**Lab Sample ID:**	CZ00588-01	**Received:**	01/20/16 11:45
Matrix:	Soil	**Sampled:**	01/20/16 10:20	**Work Order:**	CZ00588
Project:	DSCA	**Sampled By:**	J.Wilke	**% Solids:**	81.69

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6A21001	EPA 8270D	01/21/16 14:51	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**82**		% by Weight	1	0.1	0.1	6A21042	% Solids	01/21/16 15:49	AEB	

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ANALYTICAL RESULTS

Description: SB-15 (0-1)	**Lab Sample ID:** CZ00588-02	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:30	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 86.98

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00018	U	mg/kg dry	0.781	0.00018	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,1,2-Trichloroethane [79-00-5]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,1-Dichloroethane [75-34-3]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,1-Dichloroethene [75-35-4]^	0.00027	U	mg/kg dry	0.781	0.00027	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,1-Dichloropropene [563-58-6]^	0.00014	U	mg/kg dry	0.781	0.00014	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2,3-Trichlorobenzene [87-61-6]^	0.00025	U	mg/kg dry	0.781	0.00025	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2,3-Trichloropropane [96-18-4]^	0.00057	U	mg/kg dry	0.781	0.00057	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2,4-Trichlorobenzene [120-82-1]^	0.00024	U	mg/kg dry	0.781	0.00024	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2,4-Trimethylbenzene [95-63-6]^	0.00015	U	mg/kg dry	0.781	0.00015	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2-Dibromoethane [106-93-4]^	0.00041	U	mg/kg dry	0.781	0.00041	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2-Dichlorobenzene [95-50-1]^	0.00024	U	mg/kg dry	0.781	0.00024	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2-Dichloroethane [107-06-2]^	0.00037	U	mg/kg dry	0.781	0.00037	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,2-Dichloropropane [78-87-5]^	0.00023	U	mg/kg dry	0.781	0.00023	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,3,5-Trimethylbenzene [108-67-8]^	0.00018	U	mg/kg dry	0.781	0.00018	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,3-Dichlorobenzene [541-73-1]^	0.00020	U	mg/kg dry	0.781	0.00020	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,3-Dichloropropane [142-28-9]^	0.00026	U	mg/kg dry	0.781	0.00026	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
1,4-Dichlorobenzene [106-46-7]^	0.00018	U	mg/kg dry	0.781	0.00018	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
2,2-Dichloropropane [594-20-7]^	0.00021	U	mg/kg dry	0.781	0.00021	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
2-Butanone [78-93-3]^	**0.0025**	J	mg/kg dry	0.781	0.00070	0.0045	6A20018	EPA 8260B	01/20/16 23:47	REF	
2-Chlorotoluene [95-49-8]^	0.00016	U	mg/kg dry	0.781	0.00016	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
2-Hexanone [591-78-6]^	0.00067	U	mg/kg dry	0.781	0.00067	0.0045	6A20018	EPA 8260B	01/20/16 23:47	REF	
4-Chlorotoluene [106-43-4]^	0.00023	U	mg/kg dry	0.781	0.00023	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
4-Isopropyltoluene [99-87-6]^	0.00014	U	mg/kg dry	0.781	0.00014	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
4-Methyl-2-pentanone [108-10-1]^	0.00051	U	mg/kg dry	0.781	0.00051	0.0045	6A20018	EPA 8260B	01/20/16 23:47	REF	
Acetone [67-64-1]^	**0.0099**		mg/kg dry	0.781	0.0013	0.0045	6A20018	EPA 8260B	01/20/16 23:47	REF	
Benzene [71-43-2]^	0.00015	U	mg/kg dry	0.781	0.00015	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Bromobenzene [108-86-1]^	0.00020	U	mg/kg dry	0.781	0.00020	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Bromochloromethane [74-97-5]^	0.00037	U	mg/kg dry	0.781	0.00037	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Bromodichloromethane [75-27-4]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Bromoform [75-25-2]^	0.00040	U	mg/kg dry	0.781	0.00040	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Bromomethane [74-83-9]^	0.00029	U	mg/kg dry	0.781	0.00029	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Carbon Tetrachloride [56-23-5]^	0.00020	U	mg/kg dry	0.781	0.00020	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Chlorobenzene [108-90-7]^	0.00015	U	mg/kg dry	0.781	0.00015	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Chloroethane [75-00-3]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Chloroform [67-66-3]^	0.00016	U	mg/kg dry	0.781	0.00016	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Chloromethane [74-87-3]^	0.00019	U	mg/kg dry	0.781	0.00019	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
cis-1,2-Dichloroethene [156-59-2]^	0.00021	U	mg/kg dry	0.781	0.00021	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
cis-1,3-Dichloropropene [10061-01-5]^	0.00015	U	mg/kg dry	0.781	0.00015	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Dibromochloromethane [124-48-1]^	0.00031	U	mg/kg dry	0.781	0.00031	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Dichlorodifluoromethane [75-71-8]^	0.00040	U	mg/kg dry	0.781	0.00040	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Ethylbenzene [100-41-4]^	0.00018	U	mg/kg dry	0.781	0.00018	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Isopropyl Ether [108-20-3]^	0.00016	U	mg/kg dry	0.781	0.00016	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Isopropylbenzene [98-82-8]^	0.00013	U	mg/kg dry	0.781	0.00013	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Methylene Chloride [75-09-2]^	0.00066	U	mg/kg dry	0.781	0.00066	0.0018	6A20018	EPA 8260B	01/20/16 23:47	REF	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00027	U	mg/kg dry	0.781	0.00027	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Naphthalene [91-20-3]^	**0.0016**		mg/kg dry	0.781	0.00024	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	

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ANALYTICAL RESULTS

Description: SB-15 (0-1)	**Lab Sample ID:** CZ00588-02	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:30	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 86.98

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	**0.0012**		mg/kg dry	0.781	0.00012	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
n-Propyl Benzene [103-65-1]^	0.00016	U	mg/kg dry	0.781	0.00016	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
sec-Butylbenzene [135-98-8]^	**0.0011**		mg/kg dry	0.781	0.00085	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Styrene [100-42-5]^	0.00088	U	mg/kg dry	0.781	0.00088	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
tert-Butylbenzene [98-06-6]^	0.00015	U	mg/kg dry	0.781	0.00015	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Tetrachloroethene [127-18-4]^	0.00025	U	mg/kg dry	0.781	0.00025	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Toluene [108-88-3]^	**0.0015**		mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
trans-1,2-Dichloroethene [156-60-5]^	0.00033	U	mg/kg dry	0.781	0.00033	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
trans-1,3-Dichloropropene [10061-02-6]^	0.00035	U	mg/kg dry	0.781	0.00035	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Trichloroethene [79-01-6]^	0.00029	U	mg/kg dry	0.781	0.00029	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Trichlorofluoromethane [75-69-4]^	0.00023	U	mg/kg dry	0.781	0.00023	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Vinyl acetate [108-05-4]^	0.00042	U	mg/kg dry	0.781	0.00042	0.0045	6A20018	EPA 8260B	01/20/16 23:47	REF	
Vinyl chloride [75-01-4]^	0.00022	U	mg/kg dry	0.781	0.00022	0.00090	6A20018	EPA 8260B	01/20/16 23:47	REF	
Xylenes (Total) [1330-20-7]^	0.00050	U	mg/kg dry	0.781	0.00050	0.0027	6A20018	EPA 8260B	01/20/16 23:47	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*63*	*0.781*	*50.0*	*127 %*	*50-127*	*6A20018*	*EPA 8260B*	*01/20/16 23:47*	*REF*	
Dibromofluoromethane	*48*	*0.781*	*50.0*	*97 %*	*52-128*	*6A20018*	*EPA 8260B*	*01/20/16 23:47*	*REF*	
Toluene-d8	*50*	*0.781*	*50.0*	*100 %*	*57-124*	*6A20018*	*EPA 8260B*	*01/20/16 23:47*	*REF*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.093	UD	mg/kg dry	3	0.093	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2,4-Dichlorophenol [120-83-2]^	0.083	UD	mg/kg dry	3	0.083	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2,4-Dimethylphenol [105-67-9]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2,4-Dinitrophenol [51-28-5]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.097	UD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Chloronaphthalene [91-58-7]^	0.097	UD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Chlorophenol [95-57-8]^	0.086	UD	mg/kg dry	3	0.086	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Methylnaphthalene [91-57-6]^	0.097	UD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Methylphenol [95-48-7]^	0.086	UD	mg/kg dry	3	0.086	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
2-Nitrophenol [88-75-5]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.090	UD	mg/kg dry	3	0.090	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.34	UD	mg/kg dry	3	0.34	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.093	UD	mg/kg dry	3	0.093	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
4-Chloroaniline [106-47-8]^	0.32	UD	mg/kg dry	3	0.32	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.090	UD	mg/kg dry	3	0.090	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
4-Nitrophenol [100-02-7]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Acenaphthene [83-32-9]^	**0.37**	JD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Acenaphthylene [208-96-8]^	0.097	UD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Anthracene [120-12-7]^	**1.4**	D	mg/kg dry	3	0.13	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Benzo(a)anthracene [56-55-3]^	**4.0**	D	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Benzo(a)pyrene [50-32-8]^	**3.2**	D	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Benzo(b)fluoranthene [205-99-2]^	**4.1**	D	mg/kg dry	3	0.062	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	

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ANALYTICAL RESULTS

Description: SB-15 (0-1)	**Lab Sample ID:** CZ00588-02	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:30	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 86.98

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	**1.8**	D	mg/kg dry	3	0.16	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Benzo(k)fluoranthene [207-08-9]^	**1.9**	D	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Benzoic acid [65-85-0]^	0.52	UD	mg/kg dry	3	0.52	5.9	6A21001	EPA 8270D	01/21/16 16:24	DFM	QV-02
Benzyl alcohol [100-51-6]^	0.079	UD	mg/kg dry	3	0.079	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.086	UD	mg/kg dry	3	0.086	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.083	UD	mg/kg dry	3	0.083	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.12	UD	mg/kg dry	3	0.12	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Butylbenzylphthalate [85-68-7]^	0.14	UD	mg/kg dry	3	0.14	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	QV-01
Chrysene [218-01-9]^	**3.7**	D	mg/kg dry	3	0.10	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	**0.54**	JD	mg/kg dry	3	0.18	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Dibenzofuran [132-64-9]^	**0.20**	JD	mg/kg dry	3	0.093	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Diethylphthalate [84-66-2]^	0.097	UD	mg/kg dry	3	0.097	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Dimethylphthalate [131-11-3]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Di-n-butylphthalate [84-74-2]^	0.14	UD	mg/kg dry	3	0.14	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Di-n-octylphthalate [117-84-0]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Fluoranthene [206-44-0]^	**7.9**	D	mg/kg dry	3	0.12	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Fluorene [86-73-7]^	**0.48**	JD	mg/kg dry	3	0.10	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Hexachlorobenzene [118-74-1]^	0.090	UD	mg/kg dry	3	0.090	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Hexachlorobutadiene [87-68-3]^	0.090	UD	mg/kg dry	3	0.090	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.13	UD	mg/kg dry	3	0.13	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Hexachloroethane [67-72-1]^	0.072	UD	mg/kg dry	3	0.072	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	**1.8**	D	mg/kg dry	3	0.16	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Isophorone [78-59-1]^	0.10	UD	mg/kg dry	3	0.10	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Nitrobenzene [98-95-3]^	0.090	UD	mg/kg dry	3	0.090	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.072	UD	mg/kg dry	3	0.072	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.28	UD	mg/kg dry	3	0.28	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.19	UD	mg/kg dry	3	0.19	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Pentachlorophenol [87-86-5]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Phenanthrene [85-01-8]^	**4.9**	D	mg/kg dry	3	0.093	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Phenol [108-95-2]^	0.076	UD	mg/kg dry	3	0.076	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	
Pyrene [129-00-0]^	**6.6**	D	mg/kg dry	3	0.13	1.1	6A21001	EPA 8270D	01/21/16 16:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.6*	*3*	*3.83*	*67 %*	*28-130*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	
2-Fluorobiphenyl	*1.5*	*3*	*1.92*	*80 %*	*56-120*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	
2-Fluorophenol	*3.0*	*3*	*3.83*	*78 %*	*49-126*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	
Nitrobenzene-d5	*1.6*	*3*	*1.92*	*84 %*	*50-117*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	
Phenol-d5	*3.2*	*3*	*3.83*	*82 %*	*56-120*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	
Terphenyl-d14	*2.0*	*3*	*1.92*	*102 %*	*36-151*	*6A21001*	*EPA 8270D*	*01/21/16 16:24*	*DFM*	*J-04*

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ANALYTICAL RESULTS

Description:	SB-15 (0-1)	**Lab Sample ID:**	CZ00588-02	**Received:**	01/20/16 11:45
Matrix:	Soil	**Sampled:**	01/20/16 10:30	**Work Order:**	CZ00588
Project:	DSCA	**Sampled By:**	J.Wilke	**% Solids:**	86.98

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	UD	mg/kg dry	3			6A21001	EPA 8270D	01/21/16 16:24	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**87**		% by Weight	1	0.1	0.1	6A21042	% Solids	01/21/16 15:49	AEB	

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ANALYTICAL RESULTS

Description: SB-15 (2-3)	**Lab Sample ID:** CZ00588-04	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:35	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 88.11

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00032	U	mg/kg dry	1.14	0.00032	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00026	U	mg/kg dry	1.14	0.00026	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,1,2-Trichloroethane [79-00-5]^	0.00032	U	mg/kg dry	1.14	0.00032	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,1-Dichloroethane [75-34-3]^	0.00032	U	mg/kg dry	1.14	0.00032	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,1-Dichloroethene [75-35-4]^	0.00039	U	mg/kg dry	1.14	0.00039	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,1-Dichloropropene [563-58-6]^	0.00021	U	mg/kg dry	1.14	0.00021	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2,3-Trichlorobenzene [87-61-6]^	0.00036	U	mg/kg dry	1.14	0.00036	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2,3-Trichloropropane [96-18-4]^	0.00083	U	mg/kg dry	1.14	0.00083	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2,4-Trichlorobenzene [120-82-1]^	0.00035	U	mg/kg dry	1.14	0.00035	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2,4-Trimethylbenzene [95-63-6]^	**0.00062**	J	mg/kg dry	1.14	0.00022	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2-Dibromoethane [106-93-4]^	0.00060	U	mg/kg dry	1.14	0.00060	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2-Dichlorobenzene [95-50-1]^	0.00035	U	mg/kg dry	1.14	0.00035	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2-Dichloroethane [107-06-2]^	0.00053	U	mg/kg dry	1.14	0.00053	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,2-Dichloropropane [78-87-5]^	0.00034	U	mg/kg dry	1.14	0.00034	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,3,5-Trimethylbenzene [108-67-8]^	0.00026	U	mg/kg dry	1.14	0.00026	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,3-Dichlorobenzene [541-73-1]^	0.00029	U	mg/kg dry	1.14	0.00029	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,3-Dichloropropane [142-28-9]^	0.00038	U	mg/kg dry	1.14	0.00038	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
1,4-Dichlorobenzene [106-46-7]^	0.00026	U	mg/kg dry	1.14	0.00026	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
2,2-Dichloropropane [594-20-7]^	0.00030	U	mg/kg dry	1.14	0.00030	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
2-Butanone [78-93-3]^	**0.0035**	J	mg/kg dry	1.14	0.0010	0.0065	6A20018	EPA 8260B	01/21/16 00:46	REF	
2-Chlorotoluene [95-49-8]^	0.00023	U	mg/kg dry	1.14	0.00023	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
2-Hexanone [591-78-6]^	0.00097	U	mg/kg dry	1.14	0.00097	0.0065	6A20018	EPA 8260B	01/21/16 00:46	REF	
4-Chlorotoluene [106-43-4]^	0.00034	U	mg/kg dry	1.14	0.00034	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
4-Isopropyltoluene [99-87-6]^	0.00021	U	mg/kg dry	1.14	0.00021	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
4-Methyl-2-pentanone [108-10-1]^	0.00074	U	mg/kg dry	1.14	0.00074	0.0065	6A20018	EPA 8260B	01/21/16 00:46	REF	
Acetone [67-64-1]^	**0.013**		mg/kg dry	1.14	0.0018	0.0065	6A20018	EPA 8260B	01/21/16 00:46	REF	
Benzene [71-43-2]^	0.00022	U	mg/kg dry	1.14	0.00022	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Bromobenzene [108-86-1]^	0.00029	U	mg/kg dry	1.14	0.00029	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Bromochloromethane [74-97-5]^	0.00053	U	mg/kg dry	1.14	0.00053	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Bromodichloromethane [75-27-4]^	0.00031	U	mg/kg dry	1.14	0.00031	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Bromoform [75-25-2]^	0.00058	U	mg/kg dry	1.14	0.00058	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Bromomethane [74-83-9]^	0.00042	U	mg/kg dry	1.14	0.00042	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Carbon Tetrachloride [56-23-5]^	0.00029	U	mg/kg dry	1.14	0.00029	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Chlorobenzene [108-90-7]^	0.00022	U	mg/kg dry	1.14	0.00022	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Chloroethane [75-00-3]^	0.00032	U	mg/kg dry	1.14	0.00032	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Chloroform [67-66-3]^	0.00023	U	mg/kg dry	1.14	0.00023	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Chloromethane [74-87-3]^	0.00027	U	mg/kg dry	1.14	0.00027	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
cis-1,2-Dichloroethene [156-59-2]^	0.00030	U	mg/kg dry	1.14	0.00030	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
cis-1,3-Dichloropropene [10061-01-5]^	0.00022	U	mg/kg dry	1.14	0.00022	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Dibromochloromethane [124-48-1]^	0.00045	U	mg/kg dry	1.14	0.00045	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Dichlorodifluoromethane [75-71-8]^	0.00058	U	mg/kg dry	1.14	0.00058	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Ethylbenzene [100-41-4]^	0.00026	U	mg/kg dry	1.14	0.00026	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Isopropyl Ether [108-20-3]^	0.00023	U	mg/kg dry	1.14	0.00023	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Isopropylbenzene [98-82-8]^	0.00019	U	mg/kg dry	1.14	0.00019	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Methylene Chloride [75-09-2]^	0.00095	U	mg/kg dry	1.14	0.00095	0.0026	6A20018	EPA 8260B	01/21/16 00:46	REF	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00039	U	mg/kg dry	1.14	0.00039	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Naphthalene [91-20-3]^	**0.0037**		mg/kg dry	1.14	0.00035	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	

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ANALYTICAL RESULTS

Description: SB-15 (2-3)	**Lab Sample ID:** CZ00588-04	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:35	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 88.11

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00017	U	mg/kg dry	1.14	0.00017	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
n-Propyl Benzene [103-65-1]^	0.00023	U	mg/kg dry	1.14	0.00023	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
sec-Butylbenzene [135-98-8]^	0.0012	U	mg/kg dry	1.14	0.0012	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Styrene [100-42-5]^	0.0013	U	mg/kg dry	1.14	0.0013	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
tert-Butylbenzene [98-06-6]^	0.00022	U	mg/kg dry	1.14	0.00022	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Tetrachloroethene [127-18-4]^	0.00036	U	mg/kg dry	1.14	0.00036	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Toluene [108-88-3]^	**0.0029**		mg/kg dry	1.14	0.00031	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
trans-1,2-Dichloroethene [156-60-5]^	0.00048	U	mg/kg dry	1.14	0.00048	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
trans-1,3-Dichloropropene [10061-02-6]^	0.00051	U	mg/kg dry	1.14	0.00051	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Trichloroethene [79-01-6]^	0.00042	U	mg/kg dry	1.14	0.00042	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Trichlorofluoromethane [75-69-4]^	0.00034	U	mg/kg dry	1.14	0.00034	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Vinyl acetate [108-05-4]^	0.00061	U	mg/kg dry	1.14	0.00061	0.0065	6A20018	EPA 8260B	01/21/16 00:46	REF	
Vinyl chloride [75-01-4]^	0.00031	U	mg/kg dry	1.14	0.00031	0.0013	6A20018	EPA 8260B	01/21/16 00:46	REF	
Xylenes (Total) [1330-20-7]^	0.00073	U	mg/kg dry	1.14	0.00073	0.0039	6A20018	EPA 8260B	01/21/16 00:46	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1.14*	*50.0*	*81 %*	*50-127*	*6A20018*	*EPA 8260B*	*01/21/16 00:46*	*REF*	
Dibromofluoromethane	*47*	*1.14*	*50.0*	*95 %*	*52-128*	*6A20018*	*EPA 8260B*	*01/21/16 00:46*	*REF*	
Toluene-d8	*48*	*1.14*	*50.0*	*96 %*	*57-124*	*6A20018*	*EPA 8260B*	*01/21/16 00:46*	*REF*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.092	UD	mg/kg dry	3	0.092	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2,4-Dichlorophenol [120-83-2]^	0.082	UD	mg/kg dry	3	0.082	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2,4-Dimethylphenol [105-67-9]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2,4-Dinitrophenol [51-28-5]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.095	UD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Chloronaphthalene [91-58-7]^	0.095	UD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Chlorophenol [95-57-8]^	0.085	UD	mg/kg dry	3	0.085	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Methylnaphthalene [91-57-6]^	**0.13**	JD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Methylphenol [95-48-7]^	0.085	UD	mg/kg dry	3	0.085	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
2-Nitrophenol [88-75-5]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.089	UD	mg/kg dry	3	0.089	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.33	UD	mg/kg dry	3	0.33	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.092	UD	mg/kg dry	3	0.092	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
4-Chloroaniline [106-47-8]^	0.32	UD	mg/kg dry	3	0.32	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.089	UD	mg/kg dry	3	0.089	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
4-Nitrophenol [100-02-7]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Acenaphthene [83-32-9]^	**0.25**	JD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Acenaphthylene [208-96-8]^	0.095	UD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Anthracene [120-12-7]^	**0.54**	JD	mg/kg dry	3	0.13	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzo(a)anthracene [56-55-3]^	**1.3**	D	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzo(a)pyrene [50-32-8]^	**1.3**	D	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzo(b)fluoranthene [205-99-2]^	**1.6**	D	mg/kg dry	3	0.061	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	

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ANALYTICAL RESULTS

Description: SB-15 (2-3)	**Lab Sample ID:** CZ00588-04	**Received:** 01/20/16 11:45
Matrix: Soil	**Sampled:** 01/20/16 10:35	**Work Order:** CZ00588
Project: DSCA	**Sampled By:** J.Wilke	**% Solids:** 88.11

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	**0.78**	JD	mg/kg dry	3	0.16	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzo(k)fluoranthene [207-08-9]^	**0.66**	JD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzoic acid [65-85-0]^	0.51	UD	mg/kg dry	3	0.51	5.8	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Benzyl alcohol [100-51-6]^	0.078	UD	mg/kg dry	3	0.078	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.085	UD	mg/kg dry	3	0.085	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.15	UD	mg/kg dry	3	0.15	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.082	UD	mg/kg dry	3	0.082	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.43**	JD	mg/kg dry	3	0.12	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Butylbenzylphthalate [85-68-7]^	0.14	UD	mg/kg dry	3	0.14	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Chrysene [218-01-9]^	**1.3**	D	mg/kg dry	3	0.10	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	**0.22**	JD	mg/kg dry	3	0.17	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Dibenzofuran [132-64-9]^	**0.13**	JD	mg/kg dry	3	0.092	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Diethylphthalate [84-66-2]^	0.095	UD	mg/kg dry	3	0.095	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Dimethylphthalate [131-11-3]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Di-n-butylphthalate [84-74-2]^	0.14	UD	mg/kg dry	3	0.14	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Di-n-octylphthalate [117-84-0]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
DPH (as Azobenzene) [103-33-3]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Fluoranthene [206-44-0]^	**3.1**	D	mg/kg dry	3	0.12	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Fluorene [86-73-7]^	**0.22**	JD	mg/kg dry	3	0.099	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Hexachlorobenzene [118-74-1]^	0.089	UD	mg/kg dry	3	0.089	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Hexachlorobutadiene [87-68-3]^	0.089	UD	mg/kg dry	3	0.089	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.13	UD	mg/kg dry	3	0.13	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Hexachloroethane [67-72-1]^	0.072	UD	mg/kg dry	3	0.072	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	**0.69**	JD	mg/kg dry	3	0.16	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Isophorone [78-59-1]^	0.10	UD	mg/kg dry	3	0.10	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Nitrobenzene [98-95-3]^	0.089	UD	mg/kg dry	3	0.089	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.072	UD	mg/kg dry	3	0.072	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.28	UD	mg/kg dry	3	0.28	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.18	UD	mg/kg dry	3	0.18	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Pentachlorophenol [87-86-5]^	0.11	UD	mg/kg dry	3	0.11	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Phenanthrene [85-01-8]^	**2.0**	D	mg/kg dry	3	0.092	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Phenol [108-95-2]^	0.075	UD	mg/kg dry	3	0.075	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	
Pyrene [129-00-0]^	**2.6**	D	mg/kg dry	3	0.13	1.1	6A26034	EPA 8270D	02/03/16 01:53	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*3*	*3.78*	*90 %*	*28-130*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	
2-Fluorobiphenyl	*1.5*	*3*	*1.89*	*79 %*	*56-120*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	
2-Fluorophenol	*3.2*	*3*	*3.78*	*84 %*	*49-126*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	
Nitrobenzene-d5	*1.3*	*3*	*1.89*	*69 %*	*50-117*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	
Phenol-d5	*3.1*	*3*	*3.78*	*83 %*	*56-120*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	
Terphenyl-d14	*2.1*	*3*	*1.89*	*110 %*	*36-151*	*6A26034*	*EPA 8270D*	*02/03/16 01:53*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-15 (2-3)	**Lab Sample ID:**	CZ00588-04	**Received:**	01/20/16 11:45
Matrix:	Soil	**Sampled:**	01/20/16 10:35	**Work Order:**	CZ00588
Project:	DSCA	**Sampled By:**	J.Wilke	**% Solids:**	88.11

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6A26034	EPA 8270D	02/03/16 01:53	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**88**		% by Weight	1	0.1	0.1	6B01038	% Solids	02/01/16 14:35	AEB	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ00588-05 | **Received:** 01/20/16 11:45
Matrix: Water | **Sampled:** 01/20/16 10:20 | **Work Order:** CZ00588
Project: DSCA | **Sampled By:** J. Wilke

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ00588-05 | **Received:** 01/20/16 11:45
Matrix: Water | **Sampled:** 01/20/16 10:20 | **Work Order:** CZ00588
Project: DSCA | **Sampled By:** J. Wilke

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6A26012	EPA 8260B	01/26/16 15:15	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-136*	*6A26012*	*EPA 8260B*	*01/26/16 15:15*	*MSZ*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*67-129*	*6A26012*	*EPA 8260B*	*01/26/16 15:15*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*6A26012*	*EPA 8260B*	*01/26/16 15:15*	*MSZ*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS

Blank (6A20018-BLK1) Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 16:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00016	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00028	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00064	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00041	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0014	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Blank (6A20018-BLK1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 16:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00032	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00018	U	0.0010	mg/kg wet							
Chloromethane	0.00021	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00017	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Isopropyl Ether	0.00018	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
Methylene Chloride	0.00073	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00027	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00013	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00095	U	0.0010	mg/kg wet							
Styrene	0.00098	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00017	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00024	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00032	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Blank (6A20018-BLK1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 16:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl acetate	0.00047	U	0.0050	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0030	mg/kg wet							
4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*50-127*			
Dibromofluoromethane	*57*			*ug/L*	*50.0*		*114*	*52-128*			
Toluene-d8	*53*			*ug/L*	*50.0*		*105*	*57-124*			

LCS (6A20018-BS1) Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 14:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.025		0.0010	mg/kg wet	0.0200		123	78-130			
1,1,2,2-Tetrachloroethane	0.018		0.0010	mg/kg wet	0.0200		88	71-128			
1,1,2-Trichloroethane	0.018		0.0010	mg/kg wet	0.0200		90	68-125			
1,1-Dichloroethane	0.024		0.0010	mg/kg wet	0.0200		121	74-137			
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		115	64-133			
1,1-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200		118	72-130			
1,2,3-Trichlorobenzene	0.014		0.0010	mg/kg wet	0.0200		69	49-155			
1,2,3-Trichloropropane	0.018		0.0010	mg/kg wet	0.0200		88	66-134			
1,2,4-Trichlorobenzene	0.013		0.0010	mg/kg wet	0.0200		63	58-150			
1,2,4-Trimethylbenzene	0.017		0.0010	mg/kg wet	0.0200		86	69-133			
1,2-Dibromoethane	0.018		0.0010	mg/kg wet	0.0200		91	67-133			
1,2-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200		82	76-124			
1,2-Dichloroethane	0.024		0.0010	mg/kg wet	0.0200		120	74-146			
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		105	77-126			
1,3,5-Trimethylbenzene	0.016		0.0010	mg/kg wet	0.0200		81	75-143			
1,3-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200		81	74-129			
1,3-Dichloropropane	0.017		0.0010	mg/kg wet	0.0200		87	69-131			
1,4-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200		82	79-126			
2,2-Dichloropropane	0.023		0.0010	mg/kg wet	0.0200		113	73-143			
2-Butanone	0.022		0.0050	mg/kg wet	0.0200		110	32-163			
2-Chlorotoluene	0.017		0.0010	mg/kg wet	0.0200		87	77-130			
2-Hexanone	0.016		0.0050	mg/kg wet	0.0200		82	62-174			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

LCS (6A20018-BS1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 14:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	0.016		0.0010	mg/kg wet	0.0200		82	79-129			
4-Isopropyltoluene	0.017		0.0010	mg/kg wet	0.0200		83	72-139			
4-Methyl-2-pentanone	0.018		0.0050	mg/kg wet	0.0200		92	73-184			
Acetone	0.019		0.0050	mg/kg wet	0.0200		93	10-170			
Benzene	0.022		0.0010	mg/kg wet	0.0200		110	79-129			
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200		92	70-133			
Bromochloromethane	0.024		0.0010	mg/kg wet	0.0200		120	82-123			
Bromodichloromethane	0.023		0.0010	mg/kg wet	0.0200		117	80-130			
Bromoform	0.017		0.0010	mg/kg wet	0.0200		86	64-135			
Bromomethane	0.020		0.0010	mg/kg wet	0.0200		100	28-182			
Carbon Tetrachloride	0.024		0.0010	mg/kg wet	0.0200		119	74-133			
Chlorobenzene	0.019		0.0010	mg/kg wet	0.0200		95	79-121			
Chloroethane	0.026		0.0010	mg/kg wet	0.0200		131	23-195			
Chloroform	0.022		0.0010	mg/kg wet	0.0200		109	79-130			
Chloromethane	0.019		0.0010	mg/kg wet	0.0200		94	19-195			
cis-1,2-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		99	76-117			
cis-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200		109	78-131			
Dibromochloromethane	0.020		0.0010	mg/kg wet	0.0200		98	67-133			
Dichlorodifluoromethane	0.020		0.0010	mg/kg wet	0.0200		98	10-177			
Ethylbenzene	0.018		0.0010	mg/kg wet	0.0200		89	75-126			
Isopropyl Ether	0.023		0.0010	mg/kg wet	0.0200		114	57-120			
Isopropylbenzene	0.018		0.0010	mg/kg wet	0.0200		92	79-148			
Methylene Chloride	0.022		0.0020	mg/kg wet	0.0200		112	41-170			
Methyl-tert-Butyl Ether	0.022		0.0010	mg/kg wet	0.0200		111	21-133			
Naphthalene	0.011		0.0010	mg/kg wet	0.0200		56	44-161			
n-Butyl Benzene	0.016		0.0010	mg/kg wet	0.0200		81	60-144			
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200		98	73-129			
sec-Butylbenzene	0.015		0.0010	mg/kg wet	0.0200		77	70-136			
Styrene	0.018		0.0010	mg/kg wet	0.0200		89	71-139			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

LCS (6A20018-BS1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 14:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butylbenzene	0.017		0.0010	mg/kg wet	0.0200		83	67-141			
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200		97	72-156			
Toluene	0.018		0.0010	mg/kg wet	0.0200		89	77-120			
trans-1,2-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200		117	71-138			
trans-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200		100	75-145			
Trichloroethene	0.022		0.0010	mg/kg wet	0.0200		112	78-118			
Trichlorofluoromethane	0.027		0.0010	mg/kg wet	0.0200		134	55-164			
Vinyl acetate	0.026		0.0050	mg/kg wet	0.0200		129	49-200			
Vinyl chloride	0.021		0.0010	mg/kg wet	0.0200		103	32-147			
Xylenes (Total)	0.052		0.0030	mg/kg wet	0.0600		87	79-124			
4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*50-127*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*104*	*52-128*			
Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*57-124*			

Matrix Spike (6A20018-MS1) Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:26

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.024		0.0010	mg/kg wet	0.0200	0.00025 U	119	78-130			
1,1,2,2-Tetrachloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00020 U	89	71-128			
1,1,2-Trichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	90	68-125			
1,1-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200	0.00025 U	116	74-137			
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200	0.00030 U	115	64-133			
1,1-Dichloropropene	0.024		0.0010	mg/kg wet	0.0200	0.00016 U	119	72-130			
1,2,3-Trichlorobenzene	0.014		0.0010	mg/kg wet	0.0200	0.00028 U	72	49-155			
1,2,3-Trichloropropane	0.018		0.0010	mg/kg wet	0.0200	0.00064 U	92	66-134			
1,2,4-Trichlorobenzene	0.014		0.0010	mg/kg wet	0.0200	0.00027 U	69	58-150			
1,2,4-Trimethylbenzene	0.017		0.0010	mg/kg wet	0.0200	0.00017 U	87	69-133			
1,2-Dibromoethane	0.019		0.0010	mg/kg wet	0.0200	0.00046 U	95	67-133			
1,2-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00027 U	82	76-124			
1,2-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200	0.00041 U	117	74-146			
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200	0.00026 U	104	77-126			
1,3,5-Trimethylbenzene	0.016		0.0010	mg/kg wet	0.0200	0.00020 U	82	75-143			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Matrix Spike (6A20018-MS1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:26

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00022 U	81	74-129			
1,3-Dichloropropane	0.017		0.0010	mg/kg wet	0.0200	0.00029 U	85	69-131			
1,4-Dichlorobenzene	0.017		0.0010	mg/kg wet	0.0200	0.00020 U	83	79-126			
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200	0.00023 U	110	73-143			
2-Butanone	0.022		0.0050	mg/kg wet	0.0200	0.00078 U	111	32-163			
2-Chlorotoluene	0.017		0.0010	mg/kg wet	0.0200	0.00018 U	86	77-130			
2-Hexanone	0.017		0.0050	mg/kg wet	0.0200	0.00075 U	83	62-174			
4-Chlorotoluene	0.016		0.0010	mg/kg wet	0.0200	0.00026 U	81	79-129			
4-Isopropyltoluene	0.017		0.0010	mg/kg wet	0.0200	0.00016 U	86	72-139			
4-Methyl-2-pentanone	0.020		0.0050	mg/kg wet	0.0200	0.00057 U	100	73-184			
Acetone	0.017		0.0050	mg/kg wet	0.0200	0.0014 U	84	10-170			
Benzene	0.022		0.0010	mg/kg wet	0.0200	0.00017 U	109	79-129			
Bromobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00022 U	93	70-133			
Bromochloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00041 U	117	82-123			
Bromodichloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00024 U	113	80-130			
Bromoform	0.017		0.0010	mg/kg wet	0.0200	0.00045 U	85	64-135			
Bromomethane	0.021		0.0010	mg/kg wet	0.0200	0.00032 U	107	28-182			
Carbon Tetrachloride	0.024		0.0010	mg/kg wet	0.0200	0.00022 U	118	74-133			
Chlorobenzene	0.018		0.0010	mg/kg wet	0.0200	0.00017 U	92	79-121			
Chloroethane	0.025		0.0010	mg/kg wet	0.0200	0.00025 U	126	23-195			
Chloroform	0.021		0.0010	mg/kg wet	0.0200	0.00018 U	105	79-130			
Chloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00021 U	114	19-195			
cis-1,2-Dichloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00023 U	97	76-117			
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	107	78-131			
Dibromochloromethane	0.019		0.0010	mg/kg wet	0.0200	0.00035 U	96	67-133			
Dichlorodifluoromethane	0.021		0.0010	mg/kg wet	0.0200	0.00045 U	105	10-177			
Ethylbenzene	0.018		0.0010	mg/kg wet	0.0200	0.00020 U	91	75-126			
Isopropyl Ether	0.022		0.0010	mg/kg wet	0.0200	0.00018 U	112	57-120			
Isopropylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00015 U	95	79-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Matrix Spike (6A20018-MS1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:26

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene Chloride	0.021		0.0020	mg/kg wet	0.0200	0.00073 U	105	41-170			
Methyl-tert-Butyl Ether	0.022		0.0010	mg/kg wet	0.0200	0.00030 U	109	21-133			
Naphthalene	0.013		0.0010	mg/kg wet	0.0200	0.0010	60	44-161			
n-Butyl Benzene	0.017		0.0010	mg/kg wet	0.0200	0.00013 U	87	60-144			
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	101	73-129			
sec-Butylbenzene	0.016		0.0010	mg/kg wet	0.0200	0.00095 U	80	70-136			
Styrene	0.018		0.0010	mg/kg wet	0.0200	0.00098 U	90	71-139			
tert-Butylbenzene	0.017		0.0010	mg/kg wet	0.0200	0.00017 U	85	67-141			
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00028 U	93	72-156			
Toluene	0.017		0.0010	mg/kg wet	0.0200	0.00024 U	84	77-120			
trans-1,2-Dichloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00037 U	108	71-138			
trans-1,3-Dichloropropene	0.019		0.0010	mg/kg wet	0.0200	0.00039 U	95	75-145			
Trichloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00032 U	110	78-118			
Trichlorofluoromethane	0.026		0.0010	mg/kg wet	0.0200	0.00026 U	131	55-164			
Vinyl acetate	0.027		0.0050	mg/kg wet	0.0200	0.00047 U	134	49-200			
Vinyl chloride	0.024		0.0010	mg/kg wet	0.0200	0.00024 U	119	32-147			
Xylenes (Total)	0.052		0.0030	mg/kg wet	0.0600	0.00056 U	87	79-124			
4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*77*	*50-127*			
Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*52-128*			
Toluene-d8	*50*			*ug/L*	*50.0*		*101*	*57-124*			

Matrix Spike Dup (6A20018-MSD1) Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:56

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.024		0.0010	mg/kg wet	0.0200	0.00025 U	120	78-130	0.9	26	
1,1,2,2-Tetrachloroethane	0.017		0.0010	mg/kg wet	0.0200	0.00020 U	86	71-128	3	26	
1,1,2-Trichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	91	68-125	2	22	
1,1-Dichloroethane	0.024		0.0010	mg/kg wet	0.0200	0.00025 U	118	74-137	2	25	
1,1-Dichloroethene	0.023		0.0010	mg/kg wet	0.0200	0.00030 U	115	64-133	0.4	23	
1,1-Dichloropropene	0.023		0.0010	mg/kg wet	0.0200	0.00016 U	115	72-130	3	26	
1,2,3-Trichlorobenzene	0.014		0.0010	mg/kg wet	0.0200	0.00028 U	71	49-155	1	21	
1,2,3-Trichloropropane	0.017		0.0010	mg/kg wet	0.0200	0.00064 U	86	66-134	6	28	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Matrix Spike Dup (6A20018-MSD1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:56

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.013		0.0010	mg/kg wet	0.0200	0.00027 U	65	58-150	7	19	
1,2,4-Trimethylbenzene	0.017		0.0010	mg/kg wet	0.0200	0.00017 U	85	69-133	2	22	
1,2-Dibromoethane	0.018		0.0010	mg/kg wet	0.0200	0.00046 U	92	67-133	4	23	
1,2-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00027 U	81	76-124	1	19	
1,2-Dichloroethane	0.023		0.0010	mg/kg wet	0.0200	0.00041 U	117	74-146	0.2	22	
1,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200	0.00026 U	109	77-126	4	25	
1,3,5-Trimethylbenzene	0.016		0.0010	mg/kg wet	0.0200	0.00020 U	81	75-143	1	23	
1,3-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00022 U	80	74-129	0.4	21	
1,3-Dichloropropane	0.017		0.0010	mg/kg wet	0.0200	0.00029 U	85	69-131	0.6	24	
1,4-Dichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00020 U	80	79-126	4	21	
2,2-Dichloropropane	0.022		0.0010	mg/kg wet	0.0200	0.00023 U	110	73-143	0.1	26	
2-Butanone	0.021		0.0050	mg/kg wet	0.0200	0.00078 U	106	32-163	4	29	
2-Chlorotoluene	0.017		0.0010	mg/kg wet	0.0200	0.00018 U	86	77-130	0.1	23	
2-Hexanone	0.016		0.0050	mg/kg wet	0.0200	0.00075 U	79	62-174	5	30	
4-Chlorotoluene	0.016		0.0010	mg/kg wet	0.0200	0.00026 U	82	79-129	0.3	23	
4-Isopropyltoluene	0.017		0.0010	mg/kg wet	0.0200	0.00016 U	84	72-139	2	20	
4-Methyl-2-pentanone	0.020		0.0050	mg/kg wet	0.0200	0.00057 U	100	73-184	0.2	32	
Acetone	0.018		0.0050	mg/kg wet	0.0200	0.0014 U	88	10-170	4	48	
Benzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	107	79-129	2	23	
Bromobenzene	0.018		0.0010	mg/kg wet	0.0200	0.00022 U	88	70-133	7	25	
Bromochloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00041 U	116	82-123	0.7	29	
Bromodichloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00024 U	116	80-130	2	25	
Bromoform	0.017		0.0010	mg/kg wet	0.0200	0.00045 U	85	64-135	0.8	30	
Bromomethane	0.022		0.0010	mg/kg wet	0.0200	0.00032 U	109	28-182	1	30	
Carbon Tetrachloride	0.023		0.0010	mg/kg wet	0.0200	0.00022 U	116	74-133	2	25	
Chlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00017 U	93	79-121	0.8	25	
Chloroethane	0.026		0.0010	mg/kg wet	0.0200	0.00025 U	130	23-195	3	27	
Chloroform	0.021		0.0010	mg/kg wet	0.0200	0.00018 U	106	79-130	1	24	
Chloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00021 U	113	19-195	1	25	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A20018 - EPA 5035_MS - Continued

Matrix Spike Dup (6A20018-MSD1) Continued Prepared: 01/20/2016 10:47 Analyzed: 01/20/2016 15:56

Source: CZ00807-10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00023 U	97	76-117	0.9	24	
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	107	78-131	0.05	27	
Dibromochloromethane	0.019		0.0010	mg/kg wet	0.0200	0.00035 U	97	67-133	2	23	
Dichlorodifluoromethane	0.020		0.0010	mg/kg wet	0.0200	0.00045 U	101	10-177	4	26	
Ethylbenzene	0.018		0.0010	mg/kg wet	0.0200	0.00020 U	88	75-126	3	25	
Isopropyl Ether	0.022		0.0010	mg/kg wet	0.0200	0.00018 U	112	57-120	0.5	11	
Isopropylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00015 U	93	79-148	3	23	
Methylene Chloride	0.022		0.0020	mg/kg wet	0.0200	0.00073 U	108	41-170	3	33	
Methyl-tert-Butyl Ether	0.022		0.0010	mg/kg wet	0.0200	0.00030 U	108	21-133	0.5	28	
Naphthalene	0.013		0.0010	mg/kg wet	0.0200	0.0010	59	44-161	0.8	21	
n-Butyl Benzene	0.017		0.0010	mg/kg wet	0.0200	0.00013 U	83	60-144	5	22	
n-Propyl Benzene	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	99	73-129	2	23	
sec-Butylbenzene	0.016		0.0010	mg/kg wet	0.0200	0.00095 U	80	70-136	0.06	20	
Styrene	0.018		0.0010	mg/kg wet	0.0200	0.00098 U	89	71-139	0.9	23	
tert-Butylbenzene	0.017		0.0010	mg/kg wet	0.0200	0.00017 U	84	67-141	0.9	28	
Tetrachloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00028 U	95	72-156	2	24	
Toluene	0.017		0.0010	mg/kg wet	0.0200	0.00024 U	83	77-120	1	23	
trans-1,2-Dichloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00037 U	112	71-138	4	24	
trans-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200	0.00039 U	99	75-145	4	25	
Trichloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00032 U	110	78-118	0.2	24	
Trichlorofluoromethane	0.026		0.0010	mg/kg wet	0.0200	0.00026 U	128	55-164	3	24	
Vinyl acetate	0.027		0.0050	mg/kg wet	0.0200	0.00047 U	134	49-200	0.3	17	
Vinyl chloride	0.024		0.0010	mg/kg wet	0.0200	0.00024 U	122	32-147	2	26	
Xylenes (Total)	0.051		0.0030	mg/kg wet	0.0600	0.00056 U	86	79-124	2	23	
4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*50-127*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*52-128*			
Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*57-124*			

Batch 6A21021 - EPA 5035_MS

Blank (6A21021-BLK1) Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 13:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Blank (6A21021-BLK1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 13:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00016	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00028	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00064	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00041	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0014	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Blank (6A21021-BLK1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 13:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00032	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00018	U	0.0010	mg/kg wet							
Chloromethane	0.00021	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00017	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Isopropyl Ether	0.00018	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
Methylene Chloride	0.00073	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00027	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00013	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00095	U	0.0010	mg/kg wet							
Styrene	0.00098	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00017	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00024	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00032	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Blank (6A21021-BLK1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 13:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl acetate	0.00047	U	0.0050	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0030	mg/kg wet							
4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*50-127*			
Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*52-128*			
Toluene-d8	*42*			*ug/L*	*50.0*		*83*	*57-124*			

LCS (6A21021-BS1) Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.019		0.0010	mg/kg wet	0.0200		93	78-130			
1,1,2,2-Tetrachloroethane	0.019		0.0010	mg/kg wet	0.0200		95	71-128			
1,1,2-Trichloroethane	0.019		0.0010	mg/kg wet	0.0200		95	68-125			
1,1-Dichloroethane	0.018		0.0010	mg/kg wet	0.0200		91	74-137			
1,1-Dichloroethene	0.017		0.0010	mg/kg wet	0.0200		87	64-133			
1,1-Dichloropropene	0.018		0.0010	mg/kg wet	0.0200		89	72-130			
1,2,3-Trichlorobenzene	0.017		0.0010	mg/kg wet	0.0200		86	49-155			
1,2,3-Trichloropropane	0.019		0.0010	mg/kg wet	0.0200		97	66-134			
1,2,4-Trichlorobenzene	0.016		0.0010	mg/kg wet	0.0200		81	58-150			
1,2,4-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		102	69-133			
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		98	67-133			
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	76-124			
1,2-Dichloroethane	0.018		0.0010	mg/kg wet	0.0200		91	74-146			
1,2-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200		88	77-126			
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		99	75-143			
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	74-129			
1,3-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200		90	69-131			
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	79-126			
2,2-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200		88	73-143			
2-Butanone	0.016		0.0050	mg/kg wet	0.0200		81	32-163			
2-Chlorotoluene	0.021		0.0010	mg/kg wet	0.0200		103	77-130			
2-Hexanone	0.018		0.0050	mg/kg wet	0.0200		89	62-174			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

LCS (6A21021-BS1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		99	79-129			
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200		103	72-139			
4-Methyl-2-pentanone	0.016		0.0050	mg/kg wet	0.0200		81	73-184			
Acetone	0.013		0.0050	mg/kg wet	0.0200		63	10-170			
Benzene	0.018		0.0010	mg/kg wet	0.0200		91	79-129			
Bromobenzene	0.019		0.0010	mg/kg wet	0.0200		96	70-133			
Bromochloromethane	0.018		0.0010	mg/kg wet	0.0200		90	82-123			
Bromodichloromethane	0.019		0.0010	mg/kg wet	0.0200		94	80-130			
Bromoform	0.018		0.0010	mg/kg wet	0.0200		91	64-135			
Bromomethane	0.015		0.0010	mg/kg wet	0.0200		73	28-182			
Carbon Tetrachloride	0.019		0.0010	mg/kg wet	0.0200		97	74-133			
Chlorobenzene	0.020		0.0010	mg/kg wet	0.0200		100	79-121			
Chloroethane	0.018		0.0010	mg/kg wet	0.0200		88	23-195			
Chloroform	0.017		0.0010	mg/kg wet	0.0200		85	79-130			
Chloromethane	0.015		0.0010	mg/kg wet	0.0200		73	19-195			
cis-1,2-Dichloroethene	0.015		0.0010	mg/kg wet	0.0200		77	76-117			
cis-1,3-Dichloropropene	0.019		0.0010	mg/kg wet	0.0200		95	78-131			
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200		104	67-133			
Dichlorodifluoromethane	0.014		0.0010	mg/kg wet	0.0200		68	10-177			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		96	75-126			
Isopropyl Ether	0.017		0.0010	mg/kg wet	0.0200		87	57-120			
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200		101	79-148			
Methylene Chloride	0.015		0.0020	mg/kg wet	0.0200		73	41-170			
Methyl-tert-Butyl Ether	0.017		0.0010	mg/kg wet	0.0200		84	21-133			
Naphthalene	0.015		0.0010	mg/kg wet	0.0200		73	44-161			
n-Butyl Benzene	0.020		0.0010	mg/kg wet	0.0200		101	60-144			
n-Propyl Benzene	0.021		0.0010	mg/kg wet	0.0200		107	73-129			
sec-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200		95	70-136			
Styrene	0.019		0.0010	mg/kg wet	0.0200		96	71-139			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

LCS (6A21021-BS1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200		101	67-141			
Tetrachloroethene	0.020		0.0010	mg/kg wet	0.0200		102	72-156			
Toluene	0.019		0.0010	mg/kg wet	0.0200		93	77-120			
trans-1,2-Dichloroethene	0.017		0.0010	mg/kg wet	0.0200		86	71-138			
trans-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		106	75-145			
Trichloroethene	0.019		0.0010	mg/kg wet	0.0200		93	78-118			
Trichlorofluoromethane	0.019		0.0010	mg/kg wet	0.0200		94	55-164			
Vinyl acetate	0.020		0.0050	mg/kg wet	0.0200		101	49-200			
Vinyl chloride	0.016		0.0010	mg/kg wet	0.0200		78	32-147			
Xylenes (Total)	0.056		0.0030	mg/kg wet	0.0600		93	79-124			
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*50-127*			
Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*52-128*			
Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*57-124*			

Matrix Spike (6A21021-MS1) Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:44

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	92	78-130			
1,1,2,2-Tetrachloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00020 U	92	71-128			
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	99	68-125			
1,1-Dichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	92	74-137			
1,1-Dichloroethene	0.018		0.0010	mg/kg wet	0.0200	0.00030 U	88	64-133			
1,1-Dichloropropene	0.018		0.0010	mg/kg wet	0.0200	0.00016 U	91	72-130			
1,2,3-Trichlorobenzene	0.018		0.0010	mg/kg wet	0.0200	0.00028 U	89	49-155			
1,2,3-Trichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00064 U	96	66-134			
1,2,4-Trichlorobenzene	0.017		0.0010	mg/kg wet	0.0200	0.00027 U	84	58-150			
1,2,4-Trimethylbenzene	0.022		0.0010	mg/kg wet	0.0200	0.00017 U	108	69-133			
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200	0.00046 U	100	67-133			
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00027 U	100	76-124			
1,2-Dichloroethane	0.019		0.0010	mg/kg wet	0.0200	0.00041 U	97	74-146			
1,2-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200	0.00026 U	91	77-126			
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	101	75-143			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Matrix Spike (6A21021-MS1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:44

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	100	74-129			
1,3-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200	0.00029 U	92	69-131			
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	100	79-126			
2,2-Dichloropropane	0.017		0.0010	mg/kg wet	0.0200	0.00023 U	87	73-143			
2-Butanone	0.017		0.0050	mg/kg wet	0.0200	0.00078 U	87	32-163			
2-Chlorotoluene	0.021		0.0010	mg/kg wet	0.0200	0.00018 U	106	77-130			
2-Hexanone	0.018		0.0050	mg/kg wet	0.0200	0.00075 U	88	62-174			
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	100	79-129			
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200	0.00016 U	107	72-139			
4-Methyl-2-pentanone	0.016		0.0050	mg/kg wet	0.0200	0.00057 U	82	73-184			
Acetone	0.0099		0.0050	mg/kg wet	0.0200	0.0014 U	50	10-170			
Benzene	0.019		0.0010	mg/kg wet	0.0200	0.00017 U	96	79-129			
Bromobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	100	70-133			
Bromochloromethane	0.019		0.0010	mg/kg wet	0.0200	0.00041 U	94	82-123			
Bromodichloromethane	0.020		0.0010	mg/kg wet	0.0200	0.00024 U	98	80-130			
Bromoform	0.018		0.0010	mg/kg wet	0.0200	0.00045 U	90	64-135			
Bromomethane	0.016		0.0010	mg/kg wet	0.0200	0.00032 U	81	28-182			
Carbon Tetrachloride	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	101	74-133			
Chlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	102	79-121			
Chloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	98	23-195			
Chloroform	0.017		0.0010	mg/kg wet	0.0200	0.00018 U	87	79-130			
Chloromethane	0.017		0.0010	mg/kg wet	0.0200	0.00021 U	87	19-195			
cis-1,2-Dichloroethene	0.015		0.0010	mg/kg wet	0.0200	0.00023 U	76	76-117			
cis-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	98	78-131			
Dibromochloromethane	0.022		0.0010	mg/kg wet	0.0200	0.00035 U	108	67-133			
Dichlorodifluoromethane	0.015		0.0010	mg/kg wet	0.0200	0.00045 U	74	10-177			
Ethylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	99	75-126			
Isopropyl Ether	0.018		0.0010	mg/kg wet	0.0200	0.00018 U	88	57-120			
Isopropylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00015 U	104	79-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Matrix Spike (6A21021-MS1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 14:44

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene Chloride	0.016		0.0020	mg/kg wet	0.0200	0.00073 U	78	41-170			
Methyl-tert-Butyl Ether	0.017		0.0010	mg/kg wet	0.0200	0.00030 U	85	21-133			
Naphthalene	0.016		0.0010	mg/kg wet	0.0200	0.00027 U	78	44-161			
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200	0.00013 U	103	60-144			
n-Propyl Benzene	0.022		0.0010	mg/kg wet	0.0200	0.00018 U	110	73-129			
sec-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00095 U	100	70-136			
Styrene	0.020		0.0010	mg/kg wet	0.0200	0.00098 U	98	71-139			
tert-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	104	67-141			
Tetrachloroethene	0.021		0.0010	mg/kg wet	0.0200	0.00028 U	103	72-156			
Toluene	0.019		0.0010	mg/kg wet	0.0200	0.00024 U	96	77-120			
trans-1,2-Dichloroethene	0.018		0.0010	mg/kg wet	0.0200	0.00037 U	88	71-138			
trans-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200	0.00039 U	107	75-145			
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200	0.00032 U	100	78-118			
Trichlorofluoromethane	0.019		0.0010	mg/kg wet	0.0200	0.00026 U	95	55-164			
Vinyl acetate	0.021		0.0050	mg/kg wet	0.0200	0.00047 U	103	49-200			
Vinyl chloride	0.018		0.0010	mg/kg wet	0.0200	0.00024 U	88	32-147			
Xylenes (Total)	0.057		0.0030	mg/kg wet	0.0600	0.00056 U	96	79-124			
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*50-127*			
Dibromofluoromethane	*37*			*ug/L*	*50.0*		*74*	*52-128*			
Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*57-124*			

Matrix Spike Dup (6A21021-MSD1) Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 15:14

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	88	78-130	5	26	
1,1,2,2-Tetrachloroethane	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	93	71-128	1	26	
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	98	68-125	0.5	22	
1,1-Dichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00025 U	91	74-137	1	25	
1,1-Dichloroethene	0.017		0.0010	mg/kg wet	0.0200	0.00030 U	85	64-133	3	23	
1,1-Dichloropropene	0.017		0.0010	mg/kg wet	0.0200	0.00016 U	86	72-130	6	26	
1,2,3-Trichlorobenzene	0.018		0.0010	mg/kg wet	0.0200	0.00028 U	88	49-155	1	21	
1,2,3-Trichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00064 U	97	66-134	0.9	28	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Matrix Spike Dup (6A21021-MSD1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 15:14

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.016		0.0010	mg/kg wet	0.0200	0.00027 U	82	58-150	2	19	
1,2,4-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	101	69-133	7	22	
1,2-Dibromoethane	0.019		0.0010	mg/kg wet	0.0200	0.00046 U	97	67-133	3	23	
1,2-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00027 U	96	76-124	4	19	
1,2-Dichloroethane	0.018		0.0010	mg/kg wet	0.0200	0.00041 U	90	74-146	8	22	
1,2-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200	0.00026 U	90	77-126	2	25	
1,3,5-Trimethylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	97	75-143	4	23	
1,3-Dichlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00022 U	97	74-129	4	21	
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00029 U	93	69-131	1	24	
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	99	79-126	2	21	
2,2-Dichloropropane	0.018		0.0010	mg/kg wet	0.0200	0.00023 U	88	73-143	1	26	
2-Butanone	0.018		0.0050	mg/kg wet	0.0200	0.00078 U	88	32-163	2	29	
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	101	77-130	6	23	
2-Hexanone	0.017		0.0050	mg/kg wet	0.0200	0.00075 U	86	62-174	2	30	
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	98	79-129	2	23	
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200	0.00016 U	103	72-139	4	20	
4-Methyl-2-pentanone	0.017		0.0050	mg/kg wet	0.0200	0.00057 U	85	73-184	5	32	
Acetone	0.012		0.0050	mg/kg wet	0.0200	0.0014 U	60	10-170	18	48	
Benzene	0.018		0.0010	mg/kg wet	0.0200	0.00017 U	90	79-129	6	23	
Bromobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00022 U	96	70-133	4	25	
Bromochloromethane	0.019		0.0010	mg/kg wet	0.0200	0.00041 U	96	82-123	2	29	
Bromodichloromethane	0.019		0.0010	mg/kg wet	0.0200	0.00024 U	93	80-130	5	25	
Bromoform	0.018		0.0010	mg/kg wet	0.0200	0.00045 U	90	64-135	0.4	30	
Bromomethane	0.016		0.0010	mg/kg wet	0.0200	0.00032 U	82	28-182	1	30	
Carbon Tetrachloride	0.019		0.0010	mg/kg wet	0.0200	0.00022 U	94	74-133	7	25	
Chlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	99	79-121	3	25	
Chloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	98	23-195	0.2	27	
Chloroform	0.017		0.0010	mg/kg wet	0.0200	0.00018 U	83	79-130	5	24	
Chloromethane	0.017		0.0010	mg/kg wet	0.0200	0.00021 U	87	19-195	0.3	25	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A21021 - EPA 5035_MS - Continued

Matrix Spike Dup (6A21021-MSD1) Continued Prepared: 01/21/2016 09:58 Analyzed: 01/21/2016 15:14

Source: CZ00967-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.016		0.0010	mg/kg wet	0.0200	0.00023 U	78	76-117	2	24	
cis-1,3-Dichloropropene	0.018		0.0010	mg/kg wet	0.0200	0.00017 U	92	78-131	6	27	
Dibromochloromethane	0.020		0.0010	mg/kg wet	0.0200	0.00035 U	102	67-133	5	23	
Dichlorodifluoromethane	0.015		0.0010	mg/kg wet	0.0200	0.00045 U	74	10-177	0.2	26	
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	96	75-126	3	25	
Isopropyl Ether	0.017		0.0010	mg/kg wet	0.0200	0.00018 U	87	57-120	1	11	
Isopropylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00015 U	101	79-148	3	23	
Methylene Chloride	0.015		0.0020	mg/kg wet	0.0200	0.00073 U	75	41-170	5	33	
Methyl-tert-Butyl Ether	0.017		0.0010	mg/kg wet	0.0200	0.00030 U	83	21-133	2	28	
Naphthalene	0.015		0.0010	mg/kg wet	0.0200	0.00027 U	76	44-161	1	21	
n-Butyl Benzene	0.020		0.0010	mg/kg wet	0.0200	0.00013 U	98	60-144	6	22	
n-Propyl Benzene	0.021		0.0010	mg/kg wet	0.0200	0.00018 U	105	73-129	5	23	
sec-Butylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00095 U	95	70-136	4	20	
Styrene	0.019		0.0010	mg/kg wet	0.0200	0.00098 U	95	71-139	3	23	
tert-Butylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	100	67-141	4	28	
Tetrachloroethene	0.020		0.0010	mg/kg wet	0.0200	0.00028 U	99	72-156	4	24	
Toluene	0.018		0.0010	mg/kg wet	0.0200	0.00024 U	91	77-120	5	23	
trans-1,2-Dichloroethene	0.017		0.0010	mg/kg wet	0.0200	0.00037 U	86	71-138	2	24	
trans-1,3-Dichloropropene	0.020		0.0010	mg/kg wet	0.0200	0.00039 U	101	75-145	6	25	
Trichloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00032 U	94	78-118	6	24	
Trichlorofluoromethane	0.018		0.0010	mg/kg wet	0.0200	0.00026 U	92	55-164	4	24	
Vinyl acetate	0.021		0.0050	mg/kg wet	0.0200	0.00047 U	105	49-200	2	17	
Vinyl chloride	0.018		0.0010	mg/kg wet	0.0200	0.00024 U	90	32-147	2	26	
Xylenes (Total)	0.055		0.0030	mg/kg wet	0.0600	0.00056 U	92	79-124	4	23	
4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*50-127*			
Dibromofluoromethane	*37*			*ug/L*	*50.0*		*75*	*52-128*			
Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*57-124*			

Batch 6A26012 - EPA 5030B_MS

Blank (6A26012-BLK1) Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 12:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

Blank (6A26012-BLK1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 12:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

Blank (6A26012-BLK1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 12:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*53-136*			
Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*67-129*			
Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*59-134*			

LCS (6A26012-BS1) Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 13:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	19		1.0	ug/L	20.0		93	72-143			
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0		100	59-133			
1,1,2-Trichloroethane	21		1.0	ug/L	20.0		105	67-118			
1,1-Dichloroethane	18		1.0	ug/L	20.0		89	79-141			
1,1-Dichloroethene	16		1.0	ug/L	20.0		82	75-133			
1,1-Dichloropropene	18		1.0	ug/L	20.0		90	70-129			
1,2,3-Trichlorobenzene	19		1.0	ug/L	20.0		97	62-117			
1,2,3-Trichloropropane	23		1.0	ug/L	20.0		116	58-140			
1,2,4-Trichlorobenzene	16		1.0	ug/L	20.0		81	59-122			
1,2,4-Trimethylbenzene	23		1.0	ug/L	20.0		114	74-123			
1,2-Dibromoethane	20		1.0	ug/L	20.0		102	66-123			
1,2-Dichlorobenzene	22		1.0	ug/L	20.0		108	76-116			
1,2-Dichloroethane	20		1.0	ug/L	20.0		100	72-151			
1,2-Dichloropropane	17		1.0	ug/L	20.0		84	78-125			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0		98	77-129			
1,3-Dichlorobenzene	22		1.0	ug/L	20.0		112	76-119			
1,3-Dichloropropane	18		1.0	ug/L	20.0		91	60-129			
1,4-Dichlorobenzene	22		1.0	ug/L	20.0		112	76-122			
2,2-Dichloropropane	18		1.0	ug/L	20.0		92	21-167			
2-Butanone	15		5.0	ug/L	20.0		75	36-135			
2-Chlorotoluene	22		1.0	ug/L	20.0		111	73-135			
2-Hexanone	18		5.0	ug/L	20.0		91	36-191			
4-Chlorotoluene	22		1.0	ug/L	20.0		110	76-134			
4-Isopropyltoluene	23		1.0	ug/L	20.0		114	75-127			
4-Methyl-2-pentanone	15		5.0	ug/L	20.0		75	56-166			
Acetone	9.7		5.0	ug/L	20.0		49	10-158			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Bromobenzene	21		1.0	ug/L	20.0		107	72-115			
Bromochloromethane	18		1.0	ug/L	20.0		92	74-128			
Bromodichloromethane	20		1.0	ug/L	20.0		101	72-129			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

LCS (6A26012-BS1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 13:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	23		1.0	ug/L	20.0		114	73-119			
Bromomethane	19		1.0	ug/L	20.0		96	38-189			
Carbon tetrachloride	22		1.0	ug/L	20.0		111	68-142			
Chlorobenzene	21		1.0	ug/L	20.0		107	83-117			
Chloroethane	19		1.0	ug/L	20.0		97	45-213			
Chloroform	18		1.0	ug/L	20.0		89	78-138			
Chloromethane	15		1.0	ug/L	20.0		74	56-171			
cis-1,2-Dichloroethene	15		1.0	ug/L	20.0		76	69-120			
cis-1,3-Dichloropropene	19		1.0	ug/L	20.0		94	63-125			
Dibromochloromethane	23		1.0	ug/L	20.0		115	73-117			
Dichlorodifluoromethane	14		1.0	ug/L	20.0		68	25-161			
Ethylbenzene	19		1.0	ug/L	20.0		96	68-124			
Isopropyl Ether	15		1.0	ug/L	20.0		77	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0		99	81-136			
Methylene chloride	17		1.0	ug/L	20.0		84	68-128			
Methyl-tert-Butyl Ether	16		1.0	ug/L	20.0		81	10-127			
Naphthalene	14		1.0	ug/L	20.0		72	50-127			
n-Butyl Benzene	22		1.0	ug/L	20.0		108	68-126			
n-Propyl Benzene	21		1.0	ug/L	20.0		104	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0		102	75-122			
Styrene	21		1.0	ug/L	20.0		105	78-120			
tert-Butylbenzene	22		1.0	ug/L	20.0		111	70-137			
Tetrachloroethene	22		1.0	ug/L	20.0		112	40-181			
Toluene	20		1.0	ug/L	20.0		99	71-118			
trans-1,2-Dichloroethene	18		1.0	ug/L	20.0		89	75-139			
trans-1,3-Dichloropropene	23		1.0	ug/L	20.0		116	62-152			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			
Trichlorofluoromethane	19		1.0	ug/L	20.0		95	68-183			
Vinyl acetate	19		5.0	ug/L	20.0		96	10-198			
Vinyl chloride	16		1.0	ug/L	20.0		82	49-150			
Xylenes (Total)	63		3.0	ug/L	60.0		105	77-121			
4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*53-136*			
Dibromofluoromethane	*39*			*ug/L*	*50.0*		*77*	*67-129*			
Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*59-134*			

Matrix Spike (6A26012-MS1) Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 13:49

Source: CZ01059-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	18		1.0	ug/L	20.0	0.12 U	89	72-143			
1,1,2,2-Tetrachloroethane	19		1.0	ug/L	20.0	0.28 U	97	59-133			
1,1,2-Trichloroethane	18		1.0	ug/L	20.0	0.14 U	92	67-118			
1,1-Dichloroethane	17		1.0	ug/L	20.0	0.13 U	85	79-141			
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	84	75-133			
1,1-Dichloropropene	17		1.0	ug/L	20.0	0.15 U	85	70-129			
1,2,3-Trichlorobenzene	18		1.0	ug/L	20.0	0.012 U	91	62-117			
1,2,3-Trichloropropane	21		1.0	ug/L	20.0	0.23 U	103	58-140			
1,2,4-Trichlorobenzene	16		1.0	ug/L	20.0	0.14 U	80	59-122			
1,2,4-Trimethylbenzene	22		1.0	ug/L	20.0	0.10 U	108	74-123			
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	93	66-123			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

Matrix Spike (6A26012-MS1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 13:49

Source: CZ01059-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	102	76-116			
1,2-Dichloroethane	18		1.0	ug/L	20.0	0.21 U	89	72-151			
1,2-Dichloropropane	16		1.0	ug/L	20.0	0.10 U	81	78-125			
1,3,5-Trimethylbenzene	18		1.0	ug/L	20.0	0.30 U	92	77-129			
1,3-Dichlorobenzene	21		1.0	ug/L	20.0	0.15 U	105	76-119			
1,3-Dichloropropane	16		1.0	ug/L	20.0	0.16 U	82	60-129			
1,4-Dichlorobenzene	21		1.0	ug/L	20.0	0.19 U	105	76-122			
2,2-Dichloropropane	18		1.0	ug/L	20.0	0.28 U	89	21-167			
2-Butanone	15		5.0	ug/L	20.0	1.3 U	77	36-135			
2-Chlorotoluene	21		1.0	ug/L	20.0	0.081 U	105	73-135			
2-Hexanone	17		5.0	ug/L	20.0	0.88 U	84	36-191			
4-Chlorotoluene	20		1.0	ug/L	20.0	0.068 U	101	76-134			
4-Isopropyltoluene	22		1.0	ug/L	20.0	0.085 U	108	75-127			
4-Methyl-2-pentanone	16		5.0	ug/L	20.0	1.1 U	79	56-166			
Acetone	11		5.0	ug/L	20.0	1.2 U	56	10-158			
Benzene	17		1.0	ug/L	20.0	0.15 U	85	81-134			
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	97	72-115			
Bromochloromethane	17		1.0	ug/L	20.0	0.48 U	84	74-128			
Bromodichloromethane	18		1.0	ug/L	20.0	0.17 U	91	72-129			
Bromoform	20		1.0	ug/L	20.0	0.22 U	102	73-119			
Bromomethane	19		1.0	ug/L	20.0	0.14 U	97	38-189			
Carbon tetrachloride	22		1.0	ug/L	20.0	0.17 U	110	68-142			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	99	83-117			
Chloroethane	20		1.0	ug/L	20.0	0.23 U	102	45-213			
Chloroform	16		1.0	ug/L	20.0	0.18 U	82	78-138			
Chloromethane	17		1.0	ug/L	20.0	0.13 U	86	56-171			
cis-1,2-Dichloroethene	14		1.0	ug/L	20.0	0.15 U	69	69-120			
cis-1,3-Dichloropropene	18		1.0	ug/L	20.0	0.20 U	89	63-125			
Dibromochloromethane	21		1.0	ug/L	20.0	0.17 U	105	73-117			
Dichlorodifluoromethane	19		1.0	ug/L	20.0	0.20 U	97	25-161			
Ethylbenzene	18		1.0	ug/L	20.0	0.13 U	89	68-124			
Isopropyl Ether	14		1.0	ug/L	20.0	0.054 U	72	45-117			
Isopropylbenzene	18		1.0	ug/L	20.0	0.14 U	92	81-136			
Methylene chloride	16		1.0	ug/L	20.0	0.23 U	78	68-128			
Methyl-tert-Butyl Ether	16		1.0	ug/L	20.0	0.16 U	78	10-127			
Naphthalene	15		1.0	ug/L	20.0	0.11 U	75	50-127			
n-Butyl Benzene	21		1.0	ug/L	20.0	0.058 U	107	68-126			
n-Propyl Benzene	20		1.0	ug/L	20.0	0.12 U	98	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0	0.10 U	99	75-122			
Styrene	19		1.0	ug/L	20.0	0.11 U	97	73-120			
tert-Butylbenzene	21		1.0	ug/L	20.0	0.17 U	107	70-137			
Tetrachloroethene	21		1.0	ug/L	20.0	0.17 U	107	40-181			
Toluene	18		1.0	ug/L	20.0	0.14 U	91	71-118			
trans-1,2-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	83	75-139			
trans-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	101	62-152			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	96	74-119			
Trichlorofluoromethane	22		1.0	ug/L	20.0	0.24 U	109	68-183			
Vinyl acetate	19		5.0	ug/L	20.0	0.95 U	97	10-198			
Vinyl chloride	20		1.0	ug/L	20.0	0.32 U	99	49-150			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

Matrix Spike (6A26012-MS1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 13:49

Source: CZ01059-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	58		3.0	ug/L	60.0	0.45 U	96	77-121			
4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*53-136*			
Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*67-129*			
Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*59-134*			

Matrix Spike Dup (6A26012-MSD1) Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 14:18

Source: CZ01059-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	18		1.0	ug/L	20.0	0.12 U	92	72-143	4	18	
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0	0.28 U	101	59-133	4	16	
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	99	67-118	7	18	
1,1-Dichloroethane	18		1.0	ug/L	20.0	0.13 U	92	79-141	8	19	
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	83	75-133	1	20	
1,1-Dichloropropene	18		1.0	ug/L	20.0	0.15 U	88	70-129	4	17	
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.012 U	98	62-117	8	17	
1,2,3-Trichloropropane	24		1.0	ug/L	20.0	0.23 U	118	58-140	14	17	
1,2,4-Trichlorobenzene	17		1.0	ug/L	20.0	0.14 U	87	59-122	9	17	
1,2,4-Trimethylbenzene	24		1.0	ug/L	20.0	0.10 U	118	74-123	9	18	
1,2-Dibromoethane	21		1.0	ug/L	20.0	0.66 U	106	66-123	13	15	
1,2-Dichlorobenzene	22		1.0	ug/L	20.0	0.19 U	112	76-116	10	16	
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	102	72-151	14	16	
1,2-Dichloropropane	18		1.0	ug/L	20.0	0.10 U	92	78-125	12	19	
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.30 U	101	77-129	10	16	
1,3-Dichlorobenzene	24		1.0	ug/L	20.0	0.15 U	118	76-119	12	17	
1,3-Dichloropropane	19		1.0	ug/L	20.0	0.16 U	95	60-129	16	16	
1,4-Dichlorobenzene	23		1.0	ug/L	20.0	0.19 U	115	76-122	9	16	
2,2-Dichloropropane	18		1.0	ug/L	20.0	0.28 U	92	21-167	3	20	
2-Butanone	15		5.0	ug/L	20.0	1.3 U	76	36-135	2	19	
2-Chlorotoluene	23		1.0	ug/L	20.0	0.081 U	116	73-135	10	16	
2-Hexanone	19		5.0	ug/L	20.0	0.88 U	93	36-191	9	17	
4-Chlorotoluene	23		1.0	ug/L	20.0	0.068 U	113	76-134	12	16	
4-Isopropyltoluene	24		1.0	ug/L	20.0	0.085 U	118	75-127	9	17	
4-Methyl-2-pentanone	16		5.0	ug/L	20.0	1.1 U	82	56-166	4	19	
Acetone	9.8		5.0	ug/L	20.0	1.2 U	49	10-158	13	78	
Benzene	19		1.0	ug/L	20.0	0.15 U	96	81-134	12	17	
Bromobenzene	22		1.0	ug/L	20.0	0.16 U	112	72-115	14	17	
Bromochloromethane	18		1.0	ug/L	20.0	0.48 U	90	74-128	7	18	
Bromodichloromethane	20		1.0	ug/L	20.0	0.17 U	99	72-129	9	16	
Bromoform	23		1.0	ug/L	20.0	0.22 U	113	73-119	10	44	
Bromomethane	20		1.0	ug/L	20.0	0.14 U	100	38-189	3	27	
Carbon tetrachloride	22		1.0	ug/L	20.0	0.17 U	110	68-142	0.3	17	
Chlorobenzene	22		1.0	ug/L	20.0	0.17 U	109	83-117	10	16	
Chloroethane	20		1.0	ug/L	20.0	0.23 U	100	45-213	2	26	
Chloroform	17		1.0	ug/L	20.0	0.18 U	87	78-138	6	17	
Chloromethane	17		1.0	ug/L	20.0	0.13 U	85	56-171	0.7	28	
cis-1,2-Dichloroethene	16		1.0	ug/L	20.0	0.15 U	78	69-120	12	18	
cis-1,3-Dichloropropene	19		1.0	ug/L	20.0	0.20 U	97	63-125	10	17	
Dibromochloromethane	24		1.0	ug/L	20.0	0.17 U	119	73-117	13	16	QM-07
Dichlorodifluoromethane	15		1.0	ug/L	20.0	0.20 U	73	25-161	29	48	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6A26012 - EPA 5030B_MS - Continued

Matrix Spike Dup (6A26012-MSD1) Continued Prepared: 01/26/2016 10:21 Analyzed: 01/26/2016 14:18

Source: CZ01059-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylbenzene	20		1.0	ug/L	20.0	0.13 U	99	68-124	10	16	
Isopropyl Ether	16		1.0	ug/L	20.0	0.054 U	79	45-117	10	20	
Isopropylbenzene	20		1.0	ug/L	20.0	0.14 U	101	81-136	9	16	
Methylene chloride	16		1.0	ug/L	20.0	0.23 U	81	68-128	4	17	
Methyl-tert-Butyl Ether	17		1.0	ug/L	20.0	0.16 U	84	10-127	7	21	
Naphthalene	16		1.0	ug/L	20.0	0.11 U	82	50-127	9	19	
n-Butyl Benzene	22		1.0	ug/L	20.0	0.058 U	112	68-126	5	15	
n-Propyl Benzene	21		1.0	ug/L	20.0	0.12 U	105	76-125	7	16	
sec-Butylbenzene	22		1.0	ug/L	20.0	0.10 U	108	75-122	8	17	
Styrene	22		1.0	ug/L	20.0	0.11 U	108	73-120	10	23	
tert-Butylbenzene	23		1.0	ug/L	20.0	0.17 U	114	70-137	6	22	
Tetrachloroethene	23		1.0	ug/L	20.0	0.17 U	117	40-181	9	26	
Toluene	20		1.0	ug/L	20.0	0.14 U	100	71-118	9	17	
trans-1,2-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	87	75-139	4	19	
trans-1,3-Dichloropropene	23		1.0	ug/L	20.0	0.15 U	116	62-152	14	16	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	94	74-119	2	22	
Trichlorofluoromethane	20		1.0	ug/L	20.0	0.24 U	99	68-183	10	22	
Vinyl acetate	20		5.0	ug/L	20.0	0.95 U	100	10-198	3	21	
Vinyl chloride	20		1.0	ug/L	20.0	0.32 U	98	49-150	1	27	
Xylenes (Total)	64		3.0	ug/L	60.0	0.45 U	106	77-121	10	16	
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*53-136*			
Dibromofluoromethane	*38*			*ug/L*	*50.0*		*77*	*67-129*			
Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*59-134*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS

Blank (6A21001-BLK1) Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

Blank (6A21001-BLK1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							QV-02
Benzyl alcohol	0.023	U	0.33	mg/kg wet							
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							QV-01
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

Blank (6A21001-BLK1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
DPH (as Azobenzene)	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							
2,4,6-Tribromophenol	*2.6*			*mg/kg wet*	*3.33*		*77*	*28-130*			
2-Fluorobiphenyl	*1.4*			*mg/kg wet*	*1.67*		*85*	*56-120*			
2-Fluorophenol	*2.4*			*mg/kg wet*	*3.33*		*72*	*49-126*			
Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*84*	*50-117*			
Phenol-d5	*2.6*			*mg/kg wet*	*3.33*		*78*	*56-120*			
Terphenyl-d14	*1.9*			*mg/kg wet*	*1.67*		*111*	*36-151*			*QV-01*

LCS (6A21001-BS1) Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.3		0.33	mg/kg wet	1.67		79	61-121			
2,4-Dichlorophenol	1.5		0.33	mg/kg wet	1.67		87	62-126			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

LCS (6A21001-BS1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dimethylphenol	1.4		0.33	mg/kg wet	1.67		82	39-123			
2,4-Dinitrophenol	1.1		0.33	mg/kg wet	1.67		65	10-192			
2,4-Dinitrotoluene	1.4		0.33	mg/kg wet	1.67		82	63-127			
2,6-Dinitrotoluene	1.3		0.33	mg/kg wet	1.67		80	56-118			
2-Chloronaphthalene	1.3		0.33	mg/kg wet	1.67		79	48-95			
2-Chlorophenol	1.4		0.33	mg/kg wet	1.67		81	56-120			
2-Methyl-4,6-dinitrophenol	1.2		0.33	mg/kg wet	1.67		73	31-164			
2-Methylnaphthalene	1.4		0.33	mg/kg wet	1.67		87	61-128			
2-Methylphenol	1.4		0.33	mg/kg wet	1.67		82	57-123			
2-Nitrophenol	1.4		0.33	mg/kg wet	1.67		84	50-123			
3 & 4-Methylphenol	1.3		0.33	mg/kg wet	1.67		79	63-131			
3,3'-Dichlorobenzidine	1.1		0.33	mg/kg wet	1.67		68	63-96			
4-Bromophenyl-phenylether	1.6		0.33	mg/kg wet	1.67		95	52-104			
4-Chloro-3-methylphenol	1.4		0.33	mg/kg wet	1.67		83	59-121			
4-Chloroaniline	0.60		0.33	mg/kg wet	1.67		36	33-86			
4-Chlorophenyl-phenylether	1.4		0.33	mg/kg wet	1.67		82	62-125			
4-Nitrophenol	1.3		0.33	mg/kg wet	1.67		78	73-147			
Acenaphthene	1.3		0.33	mg/kg wet	1.67		78	64-131			
Acenaphthylene	1.3		0.33	mg/kg wet	1.67		78	65-141			
Anthracene	1.5		0.33	mg/kg wet	1.67		88	63-146			
Benzo(a)anthracene	1.5		0.33	mg/kg wet	1.67		91	58-137			
Benzo(a)pyrene	1.5		0.33	mg/kg wet	1.67		91	60-137			
Benzo(b)fluoranthene	1.5		0.33	mg/kg wet	1.67		89	44-173			
Benzo(g,h,i)perylene	1.6		0.33	mg/kg wet	1.67		94	42-154			
Benzo(k)fluoranthene	1.5		0.33	mg/kg wet	1.67		90	58-144			
Benzoic acid	1.1	J	1.7	mg/kg wet	1.67		66	10-200			
Benzyl alcohol	1.3		0.33	mg/kg wet	1.67		81	19-183			
Bis(2-chloroethoxy)methane	1.4		0.33	mg/kg wet	1.67		85	57-134			
Bis(2-chloroethyl)ether	1.5		0.33	mg/kg wet	1.67		91	44-114			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

LCS (6A21001-BS1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroisopropyl)ether	1.3		0.33	mg/kg wet	1.67		76	48-118			
Bis(2-ethylhexyl)phthalate	1.5		0.33	mg/kg wet	1.67		92	42-147			
Butylbenzylphthalate	1.8		0.33	mg/kg wet	1.67		107	10-193			
Chrysene	1.5		0.33	mg/kg wet	1.67		90	63-143			
Dibenzo(a,h)anthracene	1.6		0.33	mg/kg wet	1.67		94	50-150			
Dibenzofuran	1.3		0.33	mg/kg wet	1.67		80	65-122			
Diethylphthalate	1.4		0.33	mg/kg wet	1.67		83	65-128			
Dimethylphthalate	1.4		0.33	mg/kg wet	1.67		81	63-124			
Di-n-butylphthalate	1.6		0.33	mg/kg wet	1.67		97	63-133			
Di-n-octylphthalate	1.7		0.33	mg/kg wet	1.67		102	54-142			
Fluoranthene	1.6		0.33	mg/kg wet	1.67		98	67-152			
Fluorene	1.3		0.33	mg/kg wet	1.67		80	68-135			
Hexachlorobenzene	1.6		0.33	mg/kg wet	1.67		95	60-120			
Hexachlorobutadiene	1.5		0.33	mg/kg wet	1.67		92	55-136			
Hexachlorocyclopentadiene	1.6		0.33	mg/kg wet	1.67		98	24-132			
Hexachloroethane	1.3		0.33	mg/kg wet	1.67		79	47-117			
Indeno(1,2,3-cd)pyrene	1.5		0.33	mg/kg wet	1.67		93	47-153			
Isophorone	1.4		0.33	mg/kg wet	1.67		83	61-135			
Nitrobenzene	1.3		0.33	mg/kg wet	1.67		79	49-122			
N-Nitrosodimethylamine	1.2		0.33	mg/kg wet	1.67		72	36-117			
N-Nitroso-di-n-propylamine	1.4		0.33	mg/kg wet	1.67		82	55-135			
Pentachlorophenol	1.3		0.33	mg/kg wet	1.67		76	45-117			
Phenanthrene	1.5		0.33	mg/kg wet	1.67		90	62-137			
Phenol	1.3		0.33	mg/kg wet	1.67		78	54-121			
Pyrene	1.6		0.33	mg/kg wet	1.67		97	65-146			
2,4,6-Tribromophenol	*2.8*			*mg/kg wet*	*3.33*		*85*	*28-130*			
2-Fluorobiphenyl	*1.4*			*mg/kg wet*	*1.67*		*82*	*56-120*			
2-Fluorophenol	*2.3*			*mg/kg wet*	*3.33*		*70*	*49-126*			
Nitrobenzene-d5	*1.3*			*mg/kg wet*	*1.67*		*80*	*50-117*			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

LCS (6A21001-BS1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenol-d5	*2.5*			*mg/kg wet*	*3.33*		*76*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg wet*	*1.67*		*103*	*36-151*			*J-04*

Matrix Spike (6A21001-MS1) Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 15:22

Source: CZ00588-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.6		0.40	mg/kg dry	2.04	0.033 U	80	61-121			
2,4-Dichlorophenol	1.8		0.40	mg/kg dry	2.04	0.029 U	87	62-126			
2,4-Dimethylphenol	1.7		0.40	mg/kg dry	2.04	0.053 U	84	39-123			
2,4-Dinitrophenol	1.3		0.40	mg/kg dry	2.04	0.053 U	61	10-192			
2,4-Dinitrotoluene	1.7		0.40	mg/kg dry	2.04	0.034 U	82	63-127			
2,6-Dinitrotoluene	1.6		0.40	mg/kg dry	2.04	0.038 U	80	56-118			
2-Chloronaphthalene	1.6		0.40	mg/kg dry	2.04	0.034 U	79	49-95			
2-Chlorophenol	1.7		0.40	mg/kg dry	2.04	0.031 U	82	56-120			
2-Methyl-4,6-dinitrophenol	1.5		0.40	mg/kg dry	2.04	0.040 U	71	31-164			
2-Methylnaphthalene	1.7		0.40	mg/kg dry	2.04	0.034 U	83	61-128			
2-Methylphenol	1.7		0.40	mg/kg dry	2.04	0.031 U	81	57-123			
2-Nitrophenol	1.7		0.40	mg/kg dry	2.04	0.038 U	84	50-123			
3 & 4-Methylphenol	1.6		0.40	mg/kg dry	2.04	0.032 U	78	63-131			
3,3'-Dichlorobenzidine	1.4		0.40	mg/kg dry	2.04	0.12 U	71	63-96			
4-Bromophenyl-phenylether	1.9		0.40	mg/kg dry	2.04	0.033 U	93	52-104			
4-Chloro-3-methylphenol	1.7		0.40	mg/kg dry	2.04	0.040 U	83	59-121			
4-Chloroaniline	1.1		0.40	mg/kg dry	2.04	0.11 U	54	33-86			
4-Chlorophenyl-phenylether	1.6		0.40	mg/kg dry	2.04	0.032 U	80	62-125			
4-Nitrophenol	1.5		0.40	mg/kg dry	2.04	0.038 U	74	73-147			
Acenaphthene	1.6		0.40	mg/kg dry	2.04	0.034 U	76	64-131			
Acenaphthylene	1.6		0.40	mg/kg dry	2.04	0.034 U	77	65-141			
Anthracene	1.8		0.40	mg/kg dry	2.04	0.047 U	89	63-146			
Benzo(a)anthracene	1.8		0.40	mg/kg dry	2.04	0.034 U	89	58-137			
Benzo(a)pyrene	1.8		0.40	mg/kg dry	2.04	0.040 U	89	60-137			
Benzo(b)fluoranthene	1.7		0.40	mg/kg dry	2.04	0.022 U	86	44-173			
Benzo(g,h,i)perylene	1.9		0.40	mg/kg dry	2.04	0.058 U	92	42-154			
Benzo(k)fluoranthene	1.8		0.40	mg/kg dry	2.04	0.040 U	87	58-144			
Benzoic acid	1.1	J	2.1	mg/kg dry	2.04	0.18 U	53	10-200			
Benzyl alcohol	1.7		0.40	mg/kg dry	2.04	0.028 U	81	19-183			
Bis(2-chloroethoxy)methane	1.7		0.40	mg/kg dry	2.04	0.031 U	82	57-134			
Bis(2-chloroethyl)ether	1.8		0.40	mg/kg dry	2.04	0.053 U	87	44-114			
Bis(2-chloroisopropyl)ether	1.5		0.40	mg/kg dry	2.04	0.029 U	73	48-118			
Bis(2-ethylhexyl)phthalate	1.9		0.40	mg/kg dry	2.04	0.043 U	91	42-147			
Butylbenzylphthalate	2.2		0.40	mg/kg dry	2.04	0.049 U	106	10-193			
Chrysene	1.8		0.40	mg/kg dry	2.04	0.037 U	88	63-143			
Dibenzo(a,h)anthracene	1.9		0.40	mg/kg dry	2.04	0.062 U	94	50-150			
Dibenzofuran	1.6		0.40	mg/kg dry	2.04	0.033 U	78	65-122			
Diethylphthalate	1.7		0.40	mg/kg dry	2.04	0.034 U	82	65-128			
Dimethylphthalate	1.6		0.40	mg/kg dry	2.04	0.040 U	81	63-124			
Di-n-butylphthalate	2.0		0.40	mg/kg dry	2.04	0.050 U	99	63-133			
Di-n-octylphthalate	2.0		0.40	mg/kg dry	2.04	0.040 U	99	54-142			
Fluoranthene	2.0		0.40	mg/kg dry	2.04	0.044 U	96	67-152			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

Matrix Spike (6A21001-MS1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 15:22

Source: CZ00588-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluorene	1.6		0.40	mg/kg dry	2.04	0.036 U	76	68-135			
Hexachlorobenzene	1.9		0.40	mg/kg dry	2.04	0.032 U	94	60-120			
Hexachlorobutadiene	1.8		0.40	mg/kg dry	2.04	0.032 U	87	55-136			
Hexachlorocyclopentadiene	1.6		0.40	mg/kg dry	2.04	0.048 U	81	24-132			
Hexachloroethane	1.5		0.40	mg/kg dry	2.04	0.026 U	76	47-117			
Indeno(1,2,3-cd)pyrene	1.9		0.40	mg/kg dry	2.04	0.058 U	93	47-153			
Isophorone	1.6		0.40	mg/kg dry	2.04	0.037 U	80	61-135			
Nitrobenzene	1.6		0.40	mg/kg dry	2.04	0.032 U	78	49-122			
N-Nitrosodimethylamine	1.5		0.40	mg/kg dry	2.04	0.026 U	73	36-117			
N-Nitroso-di-n-propylamine	1.6		0.40	mg/kg dry	2.04	0.099 U	79	55-135			
Pentachlorophenol	1.6		0.40	mg/kg dry	2.04	0.040 U	77	45-117			
Phenanthrene	1.8		0.40	mg/kg dry	2.04	0.033 U	89	62-137			
Phenol	1.7		0.40	mg/kg dry	2.04	0.027 U	81	54-121			
Pyrene	2.0		0.40	mg/kg dry	2.04	0.047 U	97	65-146			
2,4,6-Tribromophenol	*3.4*			*mg/kg dry*	*4.08*		*83*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg dry*	*2.04*		*77*	*56-120*			
2-Fluorophenol	*2.8*			*mg/kg dry*	*4.08*		*69*	*49-126*			
Nitrobenzene-d5	*1.6*			*mg/kg dry*	*2.04*		*79*	*50-117*			
Phenol-d5	*3.1*			*mg/kg dry*	*4.08*		*75*	*56-120*			
Terphenyl-d14	*2.0*			*mg/kg dry*	*2.04*		*98*	*36-151*			*J-04*

Matrix Spike Dup (6A21001-MSD1) Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 15:53

Source: CZ00588-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.6		0.40	mg/kg dry	2.04	0.033 U	80	61-121	0.6	11	
2,4-Dichlorophenol	1.8		0.40	mg/kg dry	2.04	0.029 U	90	62-126	4	10	
2,4-Dimethylphenol	1.7		0.40	mg/kg dry	2.04	0.053 U	85	39-123	0.5	11	
2,4-Dinitrophenol	1.5		0.40	mg/kg dry	2.04	0.053 U	73	10-192	17	22	
2,4-Dinitrotoluene	1.7		0.40	mg/kg dry	2.04	0.034 U	83	63-127	0.8	10	
2,6-Dinitrotoluene	1.6		0.40	mg/kg dry	2.04	0.038 U	80	56-118	0.5	10	
2-Chloronaphthalene	1.6		0.40	mg/kg dry	2.04	0.034 U	77	49-95	3	11	
2-Chlorophenol	1.7		0.40	mg/kg dry	2.04	0.031 U	83	56-120	2	11	
2-Methyl-4,6-dinitrophenol	1.6		0.40	mg/kg dry	2.04	0.040 U	80	31-164	11	12	
2-Methylnaphthalene	1.8		0.40	mg/kg dry	2.04	0.034 U	86	61-128	4	20	
2-Methylphenol	1.7		0.40	mg/kg dry	2.04	0.031 U	85	57-123	4	18	
2-Nitrophenol	1.8		0.40	mg/kg dry	2.04	0.038 U	86	50-123	2	12	
3 & 4-Methylphenol	1.7		0.40	mg/kg dry	2.04	0.032 U	82	63-131	5	12	
3,3'-Dichlorobenzidine	1.4		0.40	mg/kg dry	2.04	0.12 U	68	63-96	4	10	
4-Bromophenyl-phenylether	1.8		0.40	mg/kg dry	2.04	0.033 U	88	52-104	5	10	
4-Chloro-3-methylphenol	1.8		0.40	mg/kg dry	2.04	0.040 U	86	59-121	4	10	
4-Chloroaniline	1.2		0.40	mg/kg dry	2.04	0.11 U	60	33-86	11	50	
4-Chlorophenyl-phenylether	1.6		0.40	mg/kg dry	2.04	0.032 U	78	62-125	3	10	
4-Nitrophenol	1.7		0.40	mg/kg dry	2.04	0.038 U	85	73-147	14	10	QM-11
Acenaphthene	1.6		0.40	mg/kg dry	2.04	0.034 U	76	64-131	0.4	19	
Acenaphthylene	1.5		0.40	mg/kg dry	2.04	0.034 U	75	65-141	2	21	
Anthracene	1.8		0.40	mg/kg dry	2.04	0.047 U	87	63-146	2	22	
Benzo(a)anthracene	1.8		0.40	mg/kg dry	2.04	0.034 U	88	58-137	1	50	
Benzo(a)pyrene	1.8		0.40	mg/kg dry	2.04	0.040 U	87	60-137	2	50	
Benzo(b)fluoranthene	1.8		0.40	mg/kg dry	2.04	0.022 U	87	44-173	1	50	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS - Continued

Matrix Spike Dup (6A21001-MSD1) Continued Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 15:53

Source: CZ00588-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(g,h,i)perylene	1.8		0.40	mg/kg dry	2.04	0.058 U	86	42-154	7	50	
Benzo(k)fluoranthene	1.9		0.40	mg/kg dry	2.04	0.040 U	92	58-144	6	50	
Benzoic acid	1.1	J	2.1	mg/kg dry	2.04	0.18 U	56	10-200	6	25	
Benzyl alcohol	1.7		0.40	mg/kg dry	2.04	0.028 U	86	19-183	5	18	
Bis(2-chloroethoxy)methane	1.7		0.40	mg/kg dry	2.04	0.031 U	83	57-134	1	12	
Bis(2-chloroethyl)ether	1.9		0.40	mg/kg dry	2.04	0.053 U	91	44-114	5	14	
Bis(2-chloroisopropyl)ether	1.5		0.40	mg/kg dry	2.04	0.029 U	76	48-118	4	14	
Bis(2-ethylhexyl)phthalate	1.8		0.40	mg/kg dry	2.04	0.043 U	89	42-147	3	10	
Butylbenzylphthalate	2.2		0.40	mg/kg dry	2.04	0.049 U	107	10-193	0.5	16	
Chrysene	1.8		0.40	mg/kg dry	2.04	0.037 U	87	63-143	0.6	50	
Dibenzo(a,h)anthracene	1.8		0.40	mg/kg dry	2.04	0.062 U	87	50-150	8	50	
Dibenzofuran	1.6		0.40	mg/kg dry	2.04	0.033 U	78	65-122	0.6	10	
Diethylphthalate	1.6		0.40	mg/kg dry	2.04	0.034 U	79	65-128	3	10	
Dimethylphthalate	1.6		0.40	mg/kg dry	2.04	0.040 U	79	63-124	2	10	
Di-n-butylphthalate	1.9		0.40	mg/kg dry	2.04	0.050 U	94	63-133	6	10	
Di-n-octylphthalate	1.9		0.40	mg/kg dry	2.04	0.040 U	95	54-142	4	10	
Fluoranthene	2.0		0.40	mg/kg dry	2.04	0.044 U	98	67-152	2	50	
Fluorene	1.6		0.40	mg/kg dry	2.04	0.036 U	78	68-135	2	20	
Hexachlorobenzene	1.8		0.40	mg/kg dry	2.04	0.032 U	89	60-120	5	10	
Hexachlorobutadiene	1.8		0.40	mg/kg dry	2.04	0.032 U	86	55-136	0.2	12	
Hexachlorocyclopentadiene	1.7		0.40	mg/kg dry	2.04	0.048 U	84	24-132	4	16	
Hexachloroethane	1.6		0.40	mg/kg dry	2.04	0.026 U	76	47-117	1	13	
Indeno(1,2,3-cd)pyrene	1.8		0.40	mg/kg dry	2.04	0.058 U	86	47-153	7	50	
Isophorone	1.6		0.40	mg/kg dry	2.04	0.037 U	81	61-135	1	10	
Nitrobenzene	1.6		0.40	mg/kg dry	2.04	0.032 U	79	49-122	1	11	
N-Nitrosodimethylamine	1.5		0.40	mg/kg dry	2.04	0.026 U	74	36-117	0.8	11	
N-Nitroso-di-n-propylamine	1.7		0.40	mg/kg dry	2.04	0.099 U	83	55-135	5	10	
Pentachlorophenol	1.7		0.40	mg/kg dry	2.04	0.040 U	83	45-117	8	10	
Phenanthrene	1.8		0.40	mg/kg dry	2.04	0.033 U	87	62-137	2	50	
Phenol	1.7		0.40	mg/kg dry	2.04	0.027 U	82	54-121	1	13	
Pyrene	2.0		0.40	mg/kg dry	2.04	0.047 U	98	65-146	1	50	
2,4,6-Tribromophenol	*3.5*			*mg/kg dry*	*4.08*		*86*	*28-130*			
2-Fluorobiphenyl	*1.5*			*mg/kg dry*	*2.04*		*72*	*56-120*			
2-Fluorophenol	*2.8*			*mg/kg dry*	*4.08*		*68*	*49-126*			
Nitrobenzene-d5	*1.6*			*mg/kg dry*	*2.04*		*78*	*50-117*			
Phenol-d5	*3.1*			*mg/kg dry*	*4.08*		*75*	*56-120*			
Terphenyl-d14	*2.0*			*mg/kg dry*	*2.04*		*98*	*36-151*			*J-04*

Batch 6A26034 - EPA 3550C_MS

Blank (6A26034-BLK1) Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

Blank (6A26034-BLK1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							
Benzyl alcohol	0.023	U	0.33	mg/kg wet							
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

Blank (6A26034-BLK1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
DPH (as Azobenzene)	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							
2,4,6-Tribromophenol	*2.9*			*mg/kg wet*	*3.33*		*88*	*28-130*			
2-Fluorobiphenyl	*1.4*			*mg/kg wet*	*1.67*		*86*	*56-120*			
2-Fluorophenol	*2.3*			*mg/kg wet*	*3.33*		*68*	*49-126*			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

Blank (6A26034-BLK1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*83*	*50-117*			
Phenol-d5	*2.8*			*mg/kg wet*	*3.33*		*84*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg wet*	*1.67*		*94*	*36-151*			

LCS (6A26034-BS1) Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.6		0.33	mg/kg wet	1.67		94	61-121			
2,4-Dichlorophenol	1.7		0.33	mg/kg wet	1.67		104	62-126			
2,4-Dimethylphenol	1.8		0.33	mg/kg wet	1.67		110	39-123			
2,4-Dinitrophenol	1.5		0.33	mg/kg wet	1.67		92	10-192			
2,4-Dinitrotoluene	1.6		0.33	mg/kg wet	1.67		96	63-127			
2,6-Dinitrotoluene	1.7		0.33	mg/kg wet	1.67		102	56-118			
2-Chloronaphthalene	1.5		0.33	mg/kg wet	1.67		92	48-95			
2-Chlorophenol	1.5		0.33	mg/kg wet	1.67		93	56-120			
2-Methyl-4,6-dinitrophenol	1.8		0.33	mg/kg wet	1.67		107	31-164			
2-Methylnaphthalene	1.5		0.33	mg/kg wet	1.67		90	61-128			
2-Methylphenol	1.6		0.33	mg/kg wet	1.67		94	57-123			
2-Nitrophenol	1.9		0.33	mg/kg wet	1.67		113	50-123			
3 & 4-Methylphenol	1.6		0.33	mg/kg wet	1.67		99	63-131			
3,3'-Dichlorobenzidine	1.2		0.33	mg/kg wet	1.67		75	63-96			
4-Bromophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		90	52-104			
4-Chloro-3-methylphenol	1.6		0.33	mg/kg wet	1.67		97	59-121			
4-Chloroaniline	1.1		0.33	mg/kg wet	1.67		66	33-86			
4-Chlorophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		92	62-125			
4-Nitrophenol	1.8		0.33	mg/kg wet	1.67		108	73-147			
Acenaphthene	1.5		0.33	mg/kg wet	1.67		90	64-131			
Acenaphthylene	1.5		0.33	mg/kg wet	1.67		90	65-141			
Anthracene	1.6		0.33	mg/kg wet	1.67		96	63-146			
Benzo(a)anthracene	1.6		0.33	mg/kg wet	1.67		94	58-137			
Benzo(a)pyrene	1.6		0.33	mg/kg wet	1.67		96	60-137			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

LCS (6A26034-BS1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(b)fluoranthene	1.5		0.33	mg/kg wet	1.67		91	44-173			
Benzo(g,h,i)perylene	1.6		0.33	mg/kg wet	1.67		94	42-154			
Benzo(k)fluoranthene	1.7		0.33	mg/kg wet	1.67		104	58-144			
Benzoic acid	1.1	J	1.7	mg/kg wet	1.67		67	10-200			
Benzyl alcohol	1.6		0.33	mg/kg wet	1.67		98	19-183			
Bis(2-chloroethoxy)methane	1.8		0.33	mg/kg wet	1.67		110	57-134			
Bis(2-chloroethyl)ether	1.7		0.33	mg/kg wet	1.67		102	44-114			
Bis(2-chloroisopropyl)ether	1.5		0.33	mg/kg wet	1.67		89	48-118			
Bis(2-ethylhexyl)phthalate	1.6		0.33	mg/kg wet	1.67		97	42-147			
Butylbenzylphthalate	1.7		0.33	mg/kg wet	1.67		99	10-193			
Chrysene	1.6		0.33	mg/kg wet	1.67		96	63-143			
Dibenzo(a,h)anthracene	1.6		0.33	mg/kg wet	1.67		95	50-150			
Dibenzofuran	1.5		0.33	mg/kg wet	1.67		92	65-122			
Diethylphthalate	1.6		0.33	mg/kg wet	1.67		95	65-128			
Dimethylphthalate	1.6		0.33	mg/kg wet	1.67		97	63-124			
Di-n-butylphthalate	1.6		0.33	mg/kg wet	1.67		94	63-133			
Di-n-octylphthalate	1.5		0.33	mg/kg wet	1.67		92	54-142			
Fluoranthene	1.6		0.33	mg/kg wet	1.67		95	67-152			
Fluorene	1.6		0.33	mg/kg wet	1.67		94	68-135			
Hexachlorobenzene	1.5		0.33	mg/kg wet	1.67		91	60-120			
Hexachlorobutadiene	1.4		0.33	mg/kg wet	1.67		87	55-136			
Hexachlorocyclopentadiene	1.4		0.33	mg/kg wet	1.67		84	24-132			
Hexachloroethane	1.4		0.33	mg/kg wet	1.67		86	47-117			
Indeno(1,2,3-cd)pyrene	1.6		0.33	mg/kg wet	1.67		94	47-153			
Isophorone	1.9		0.33	mg/kg wet	1.67		114	61-135			
Nitrobenzene	1.7		0.33	mg/kg wet	1.67		104	49-122			
N-Nitrosodimethylamine	1.3		0.33	mg/kg wet	1.67		77	36-117			
N-Nitroso-di-n-propylamine	1.7		0.33	mg/kg wet	1.67		100	55-135			
Pentachlorophenol	1.5		0.33	mg/kg wet	1.67		89	45-117			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

LCS (6A26034-BS1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenanthrene	1.6		0.33	mg/kg wet	1.67		93	62-137			
Phenol	1.5		0.33	mg/kg wet	1.67		90	54-121			
Pyrene	1.8		0.33	mg/kg wet	1.67		108	65-146			
2,4,6-Tribromophenol	*3.2*			*mg/kg wet*	*3.33*		*97*	*28-130*			
2-Fluorobiphenyl	*1.5*			*mg/kg wet*	*1.67*		*90*	*56-120*			
2-Fluorophenol	*2.3*			*mg/kg wet*	*3.33*		*70*	*49-126*			
Nitrobenzene-d5	*1.7*			*mg/kg wet*	*1.67*		*99*	*50-117*			
Phenol-d5	*2.8*			*mg/kg wet*	*3.33*		*84*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg wet*	*1.67*		*104*	*36-151*			

Matrix Spike (6A26034-MS1) Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 21:27

Source: CZ01121-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.8		0.37	mg/kg dry	1.88	0.031 U	94	61-121			
2,4-Dichlorophenol	1.9		0.37	mg/kg dry	1.88	0.027 U	102	62-126			
2,4-Dimethylphenol	1.9		0.37	mg/kg dry	1.88	0.049 U	100	39-123			
2,4-Dinitrophenol	1.7		0.37	mg/kg dry	1.88	0.049 U	88	10-192			
2,4-Dinitrotoluene	1.8		0.37	mg/kg dry	1.88	0.032 U	94	63-127			
2,6-Dinitrotoluene	1.8		0.37	mg/kg dry	1.88	0.035 U	94	56-118			
2-Chloronaphthalene	1.7		0.37	mg/kg dry	1.88	0.032 U	92	49-95			
2-Chlorophenol	1.7		0.37	mg/kg dry	1.88	0.028 U	91	56-120			
2-Methyl-4,6-dinitrophenol	1.9		0.37	mg/kg dry	1.88	0.037 U	99	31-164			
2-Methylnaphthalene	1.5		0.37	mg/kg dry	1.88	0.032 U	81	61-128			
2-Methylphenol	1.7		0.37	mg/kg dry	1.88	0.028 U	89	57-123			
2-Nitrophenol	1.9		0.37	mg/kg dry	1.88	0.035 U	101	50-123			
3 & 4-Methylphenol	1.7		0.37	mg/kg dry	1.88	0.029 U	92	63-131			
3,3'-Dichlorobenzidine	1.4		0.37	mg/kg dry	1.88	0.11 U	75	63-96			
4-Bromophenyl-phenylether	1.7		0.37	mg/kg dry	1.88	0.031 U	91	52-104			
4-Chloro-3-methylphenol	1.6		0.37	mg/kg dry	1.88	0.037 U	85	59-121			
4-Chloroaniline	1.2		0.37	mg/kg dry	1.88	0.11 U	63	33-86			
4-Chlorophenyl-phenylether	1.7		0.37	mg/kg dry	1.88	0.029 U	90	62-125			
4-Nitrophenol	1.8		0.37	mg/kg dry	1.88	0.035 U	94	73-147			
Acenaphthene	1.7		0.37	mg/kg dry	1.88	0.032 U	89	64-131			
Acenaphthylene	1.7		0.37	mg/kg dry	1.88	0.032 U	90	65-141			
Anthracene	1.8		0.37	mg/kg dry	1.88	0.043 U	94	63-146			
Benzo(a)anthracene	1.8		0.37	mg/kg dry	1.88	0.032 U	96	58-137			
Benzo(a)pyrene	1.8		0.37	mg/kg dry	1.88	0.037 U	97	60-137			
Benzo(b)fluoranthene	1.5		0.37	mg/kg dry	1.88	0.020 U	80	44-173			
Benzo(g,h,i)perylene	1.8		0.37	mg/kg dry	1.88	0.053 U	94	42-154			
Benzo(k)fluoranthene	1.6		0.37	mg/kg dry	1.88	0.037 U	86	58-144			
Benzoic acid	1.7	J	1.9	mg/kg dry	1.88	0.17 U	89	10-200			
Benzyl alcohol	1.7		0.37	mg/kg dry	1.88	0.026 U	90	19-183			
Bis(2-chloroethoxy)methane	1.9		0.37	mg/kg dry	1.88	0.028 U	103	57-134			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

Matrix Spike (6A26034-MS1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 21:27

Source: CZ01121-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethyl)ether	1.9		0.37	mg/kg dry	1.88	0.049 U	103	44-114			
Bis(2-chloroisopropyl)ether	1.6		0.37	mg/kg dry	1.88	0.027 U	87	48-118			
Bis(2-ethylhexyl)phthalate	1.8		0.37	mg/kg dry	1.88	0.040 U	95	42-147			
Butylbenzylphthalate	1.8		0.37	mg/kg dry	1.88	0.045 U	95	10-193			
Chrysene	1.8		0.37	mg/kg dry	1.88	0.034 U	95	63-143			
Dibenzo(a,h)anthracene	1.7		0.37	mg/kg dry	1.88	0.058 U	92	50-150			
Dibenzofuran	1.7		0.37	mg/kg dry	1.88	0.031 U	91	65-122			
Diethylphthalate	1.8		0.37	mg/kg dry	1.88	0.032 U	95	65-128			
Dimethylphthalate	1.8		0.37	mg/kg dry	1.88	0.037 U	97	63-124			
Di-n-butylphthalate	1.8		0.37	mg/kg dry	1.88	0.046 U	94	63-133			
Di-n-octylphthalate	1.7		0.37	mg/kg dry	1.88	0.037 U	90	54-142			
Fluoranthene	1.8		0.37	mg/kg dry	1.88	0.041 U	95	67-152			
Fluorene	1.7		0.37	mg/kg dry	1.88	0.033 U	92	68-135			
Hexachlorobenzene	1.7		0.37	mg/kg dry	1.88	0.029 U	92	60-120			
Hexachlorobutadiene	1.5		0.37	mg/kg dry	1.88	0.029 U	77	55-136			
Hexachlorocyclopentadiene	1.4		0.37	mg/kg dry	1.88	0.044 U	74	24-132			
Hexachloroethane	1.6		0.37	mg/kg dry	1.88	0.024 U	86	47-117			
Indeno(1,2,3-cd)pyrene	1.7		0.37	mg/kg dry	1.88	0.053 U	91	47-153			
Isophorone	2.0		0.37	mg/kg dry	1.88	0.034 U	105	61-135			
Nitrobenzene	1.8		0.37	mg/kg dry	1.88	0.029 U	94	49-122			
N-Nitrosodimethylamine	1.4		0.37	mg/kg dry	1.88	0.024 U	75	36-117			
N-Nitroso-di-n-propylamine	1.8		0.37	mg/kg dry	1.88	0.092 U	94	55-135			
Pentachlorophenol	1.6		0.37	mg/kg dry	1.88	0.037 U	88	45-117			
Phenanthrene	1.8		0.37	mg/kg dry	1.88	0.031 U	95	62-137			
Phenol	1.6		0.37	mg/kg dry	1.88	0.025 U	86	54-121			
Pyrene	1.7		0.37	mg/kg dry	1.88	0.043 U	90	65-146			
2,4,6-Tribromophenol	*3.5*			*mg/kg dry*	*3.77*		*92*	*28-130*			
2-Fluorobiphenyl	*1.7*			*mg/kg dry*	*1.88*		*90*	*56-120*			
2-Fluorophenol	*2.6*			*mg/kg dry*	*3.77*		*70*	*49-126*			
Nitrobenzene-d5	*1.7*			*mg/kg dry*	*1.88*		*89*	*50-117*			
Phenol-d5	*3.0*			*mg/kg dry*	*3.77*		*81*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg dry*	*1.88*		*87*	*36-151*			

Matrix Spike Dup (6A26034-MSD1) Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 21:57

Source: CZ01121-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.7		0.37	mg/kg dry	1.88	0.031 U	91	61-121	3	11	
2,4-Dichlorophenol	1.8		0.37	mg/kg dry	1.88	0.027 U	94	62-126	8	10	
2,4-Dimethylphenol	1.8		0.37	mg/kg dry	1.88	0.049 U	98	39-123	2	11	
2,4-Dinitrophenol	1.7		0.37	mg/kg dry	1.88	0.049 U	91	10-192	3	22	
2,4-Dinitrotoluene	1.8		0.37	mg/kg dry	1.88	0.032 U	98	63-127	4	10	
2,6-Dinitrotoluene	1.9		0.37	mg/kg dry	1.88	0.035 U	100	56-118	6	10	
2-Chloronaphthalene	1.7		0.37	mg/kg dry	1.88	0.032 U	89	49-95	4	11	
2-Chlorophenol	1.7		0.37	mg/kg dry	1.88	0.028 U	92	56-120	1	11	
2-Methyl-4,6-dinitrophenol	2.3		0.37	mg/kg dry	1.88	0.037 U	124	31-164	23	12	QM-11
2-Methylnaphthalene	1.7		0.37	mg/kg dry	1.88	0.032 U	91	61-128	11	20	
2-Methylphenol	1.8		0.37	mg/kg dry	1.88	0.028 U	94	57-123	5	18	
2-Nitrophenol	1.9		0.37	mg/kg dry	1.88	0.035 U	101	50-123	0.5	12	
3 & 4-Methylphenol	1.8		0.37	mg/kg dry	1.88	0.029 U	97	63-131	5	12	

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6A26034 - EPA 3550C_MS - Continued

Matrix Spike Dup (6A26034-MSD1) Continued Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 21:57

Source: CZ01121-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
3,3'-Dichlorobenzidine	1.4		0.37	mg/kg dry	1.88	0.11 U	73	63-96	2	10	
4-Bromophenyl-phenylether	1.6		0.37	mg/kg dry	1.88	0.031 U	87	52-104	4	10	
4-Chloro-3-methylphenol	1.8		0.37	mg/kg dry	1.88	0.037 U	96	59-121	12	10	QM-11
4-Chloroaniline	1.2		0.37	mg/kg dry	1.88	0.11 U	65	33-86	2	50	
4-Chlorophenyl-phenylether	1.9		0.37	mg/kg dry	1.88	0.029 U	102	62-125	13	10	QM-11
4-Nitrophenol	1.8		0.37	mg/kg dry	1.88	0.035 U	94	73-147	0.3	10	
Acenaphthene	1.7		0.37	mg/kg dry	1.88	0.032 U	91	64-131	2	19	
Acenaphthylene	1.6		0.37	mg/kg dry	1.88	0.032 U	87	65-141	3	21	
Anthracene	1.6		0.37	mg/kg dry	1.88	0.043 U	87	63-146	7	22	
Benzo(a)anthracene	1.8		0.37	mg/kg dry	1.88	0.032 U	94	58-137	2	50	
Benzo(a)pyrene	1.8		0.37	mg/kg dry	1.88	0.037 U	94	60-137	3	50	
Benzo(b)fluoranthene	1.9		0.37	mg/kg dry	1.88	0.020 U	102	44-173	24	50	
Benzo(g,h,i)perylene	1.6		0.37	mg/kg dry	1.88	0.053 U	86	42-154	10	50	
Benzo(k)fluoranthene	1.9		0.37	mg/kg dry	1.88	0.037 U	100	58-144	14	50	
Benzoic acid	1.7	J	1.9	mg/kg dry	1.88	0.17 U	91	10-200	2	25	
Benzyl alcohol	1.9		0.37	mg/kg dry	1.88	0.026 U	99	19-183	9	18	
Bis(2-chloroethoxy)methane	1.8		0.37	mg/kg dry	1.88	0.028 U	97	57-134	6	12	
Bis(2-chloroethyl)ether	1.9		0.37	mg/kg dry	1.88	0.049 U	103	44-114	0.2	14	
Bis(2-chloroisopropyl)ether	1.7		0.37	mg/kg dry	1.88	0.027 U	90	48-118	4	14	
Bis(2-ethylhexyl)phthalate	1.8		0.37	mg/kg dry	1.88	0.040 U	96	42-147	0.5	10	
Butylbenzylphthalate	1.4		0.37	mg/kg dry	1.88	0.045 U	75	10-193	23	16	QM-11
Chrysene	1.8		0.37	mg/kg dry	1.88	0.034 U	94	63-143	2	50	
Dibenzo(a,h)anthracene	1.6		0.37	mg/kg dry	1.88	0.058 U	86	50-150	7	50	
Dibenzofuran	1.8		0.37	mg/kg dry	1.88	0.031 U	94	65-122	3	10	
Diethylphthalate	2.0		0.37	mg/kg dry	1.88	0.032 U	108	65-128	12	10	QM-11
Dimethylphthalate	1.8		0.37	mg/kg dry	1.88	0.037 U	94	63-124	3	10	
Di-n-butylphthalate	1.7		0.37	mg/kg dry	1.88	0.046 U	88	63-133	7	10	
Di-n-octylphthalate	1.7		0.37	mg/kg dry	1.88	0.037 U	90	54-142	0.6	10	
Fluoranthene	1.4		0.37	mg/kg dry	1.88	0.041 U	75	67-152	24	50	
Fluorene	2.0		0.37	mg/kg dry	1.88	0.033 U	106	68-135	14	20	
Hexachlorobenzene	1.6		0.37	mg/kg dry	1.88	0.029 U	85	60-120	7	10	
Hexachlorobutadiene	1.6		0.37	mg/kg dry	1.88	0.029 U	85	55-136	9	12	
Hexachlorocyclopentadiene	1.5		0.37	mg/kg dry	1.88	0.044 U	79	24-132	7	16	
Hexachloroethane	1.6		0.37	mg/kg dry	1.88	0.024 U	88	47-117	2	13	
Indeno(1,2,3-cd)pyrene	1.6		0.37	mg/kg dry	1.88	0.053 U	85	47-153	6	50	
Isophorone	2.0		0.37	mg/kg dry	1.88	0.034 U	104	61-135	0.9	10	
Nitrobenzene	1.9		0.37	mg/kg dry	1.88	0.029 U	103	49-122	10	11	
N-Nitrosodimethylamine	1.4		0.37	mg/kg dry	1.88	0.024 U	77	36-117	2	11	
N-Nitroso-di-n-propylamine	1.9		0.37	mg/kg dry	1.88	0.092 U	98	55-135	5	10	
Pentachlorophenol	1.6		0.37	mg/kg dry	1.88	0.037 U	87	45-117	1	10	
Phenanthrene	1.7		0.37	mg/kg dry	1.88	0.031 U	91	62-137	5	50	
Phenol	1.7		0.37	mg/kg dry	1.88	0.025 U	89	54-121	3	13	
Pyrene	1.4		0.37	mg/kg dry	1.88	0.043 U	73	65-146	21	50	
2,4,6-Tribromophenol	*3.9*			*mg/kg dry*	*3.77*		*103*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg dry*	*1.88*		*84*	*56-120*			
2-Fluorophenol	*2.7*			*mg/kg dry*	*3.77*		*72*	*49-126*			
Nitrobenzene-d5	*1.8*			*mg/kg dry*	*1.88*		*95*	*50-117*			
Phenol-d5	*3.2*			*mg/kg dry*	*3.77*		*84*	*56-120*			
Terphenyl-d14	*1.4*			*mg/kg dry*	*1.88*		*72*	*36-151*			

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QUALITY CONTROL DATA

Tentatively Identified Compounds by Semivolatile GCMS - Quality Control

Batch 6A21001 - EPA 3550C_MS

Blank (6A21001-BLK1) Prepared: 01/21/2016 07:15 Analyzed: 01/21/2016 13:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		mg/kg wet							

Batch 6A26034 - EPA 3550C_MS

Blank (6A26034-BLK1) Prepared: 01/28/2016 20:10 Analyzed: 02/02/2016 20:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		mg/kg wet							

Classical Chemistry Parameters - Quality Control

Batch 6A21042 - % Solids

Duplicate (6A21042-DUP1) Prepared & Analyzed: 01/21/2016 15:49

Source: CZ00588-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	82		0.1	% by Weight		82			1	10	

Batch 6B01038 - % Solids

Duplicate (6B01038-DUP1) Prepared & Analyzed: 02/01/2016 14:35

Source: CZ00588-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	89		0.1	% by Weight		88			0.6	10	

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
J-04	Result estimated, calibration verification standard failed with high bias.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name	URS - Charlotte (UR004)
Project Number	32-0027 Model Laundry
Address	SouthPark Towers, 6000 Fairview Road, Suite 200
Project Name/Desc	DSCA
City/ST/Zip	Charlotte, NC 28210
PO # / Billing Info	Vendor# 1198823/Subcontract# DSCA-010-299
Tel	(704) 522-0330
Fax	(704) 522-0330
Reporting Contact	Carlin Slusher
Sampler(s) Name, Affiliation (Print)	J. Wilke - URS
Billing Contact	Accounts Payable
Sampler(s) Signature	
Site Location / Time Zone	EST

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: CZ00588

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	%Solids, 8270D, 8270D Extended, 8270D TICs	8260B, 8260B Extended								Sample Comments
	SB-14 (0-1)	1/20/16	1020	G	SO	4	X	X								
	SB-15 (0-1)	↓	1030	↓	SO	4	X	X								odor
	SB-14 (2-3)	↓	1025	↓	SO	4	X	X								HOLD Pending Analysis
	SB-15 (2-3)	↓	1035	↓	SO	4	X	X								HOLD Pending Analysis
					SO	4	X	X								
					~~SO~~	~~4~~	~~X~~	~~X~~								
	Trip Blank				WA	2		X								

<-- Total # of Containers

Sample Kit Prepared By: CB	Date/Time: 1/11/16	Relinquished By: [signature]	Date/Time: 1/20/16 1145	Received By: Rachel [signature]	Date/Time: 1/20/16 1145
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-716	1.4°C	Condition Upon Receipt: ✓ Acceptable	___ Unacceptable

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Friday, March 11, 2016
URS - Charlotte (UR004)
Attn: Carlin Slusher
SouthPark Towers, 6000 Fairview Road, Suite 200
Charlotte, NC 28210

RE: Laboratory Results for
Project Number: 32-0027 Model Laundry, Project Name/Desc: DSCA
ENCO Workorder(s): CZ02203 ENCODEF 11 Mar 16 1458

Dear Carlin Slusher,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 4, 2016.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager
Enclosure(s)

PROJECT NARRATIVE

Date: 11 March 2016
Client: URS - Charlotte (UR004)
Project: DSCA
Lab ID: CZ02203

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The spike recovery of 2-Butanone was outside of control limits for one set of 8260B LCS, MS, and MSD samples, indicating a possible high bias; however, this analyte was not detected in the associated samples, reducing the impact of the deviation.

Precision between duplicate spikes of 4-Nitrophenol exceeded acceptance criteria for the 8270D MS and MSD samples; however, the individual recoveries of this analyte were within control limits. The QC batch was approved based on acceptable LCS recovery of this analyte and completeness of the QC data.

Quality Control Remarks

Precision between duplicate analyses for % Solids (dry weight correction) exceeded acceptance criteria.

The 8260B surrogate spike recovery of 4-Bromofluorobenzene was outside of control limits for sample SB-19 due to matrix interference. The sample was approved based on acceptable recovery of the other surrogate standards.

Other Comments

It was noted and agreed that as a matter of policy, ENCO controls QC batches based upon the recoveries of our standard/routine shortlist of reported QC analytes, regardless of the reporting list requested. However, all QC batches are approved based on the requirements and recommendations of the reported methods.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-16 **Lab ID: CZ02203-01** **Sampled: 03/04/16 09:45** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	08/31/16		03/05/16	10:30	03/05/16 10:30
EPA 8260B	03/18/16		03/09/16	11:55	03/09/16 17:40
EPA 8270D	03/18/16	04/16/16	03/07/16	07:30	03/07/16 15:44

Client ID: SB-17 **Lab ID: CZ02203-02** **Sampled: 03/04/16 10:45** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	08/31/16		03/05/16	10:30	03/05/16 10:30
EPA 8260B	03/18/16		03/09/16	11:55	03/09/16 18:10
EPA 8270D	03/18/16	04/16/16	03/07/16	07:30	03/07/16 16:15

Client ID: SB-18 **Lab ID: CZ02203-03** **Sampled: 03/04/16 10:25** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	08/31/16		03/05/16	10:30	03/05/16 10:30
EPA 8260B	03/18/16		03/09/16	11:55	03/09/16 18:39
EPA 8270D	03/18/16	04/16/16	03/07/16	07:30	03/07/16 16:46

Client ID: SB-19 **Lab ID: CZ02203-04** **Sampled: 03/04/16 09:20** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	08/31/16		03/05/16	10:30	03/05/16 10:30
EPA 8260B	03/18/16		03/09/16	11:55	03/09/16 19:09
EPA 8270D	03/18/16	04/16/16	03/07/16	07:30	03/07/16 17:18

Client ID: SB-20 **Lab ID: CZ02203-05** **Sampled: 03/04/16 09:35** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	08/31/16		03/05/16	10:30	03/05/16 10:30
EPA 8260B	03/18/16		03/09/16	11:55	03/09/16 19:38
EPA 8270D	03/18/16	04/16/16	03/07/16	07:30	03/07/16 17:49

Client ID: Trip Blank **Lab ID: CZ02203-06** **Sampled: 03/04/16 09:20** **Received: 03/04/16 14:40**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	03/18/16		03/10/16	12:03	03/10/16 12:43

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SAMPLE DETECTION SUMMARY

Client ID: SB-16 **Lab ID: CZ02203-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	68		0.1	0.1	% by Weight	% Solids	
Tetrachloroethene	0.012		0.00029	0.0010	mg/kg dry	EPA 8260B	

Client ID: SB-17 **Lab ID: CZ02203-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	88		0.1	0.1	% by Weight	% Solids	
Benzo(a)anthracene	0.19	J	0.032	0.38	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	0.22	J	0.038	0.38	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	0.28	J	0.021	0.38	mg/kg dry	EPA 8270D	
Benzo(g,h,i)perylene	0.17	J	0.054	0.38	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	0.15	J	0.038	0.38	mg/kg dry	EPA 8270D	
Chrysene	0.21	J	0.034	0.38	mg/kg dry	EPA 8270D	
Fluoranthene	0.27	J	0.041	0.38	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	0.15	J	0.054	0.38	mg/kg dry	EPA 8270D	
Phenanthrene	0.12	J	0.031	0.38	mg/kg dry	EPA 8270D	
Pyrene	0.23	J	0.043	0.38	mg/kg dry	EPA 8270D	
Tetrachloroethene	0.0048		0.00018	0.00065	mg/kg dry	EPA 8260B	

Client ID: SB-18 **Lab ID: CZ02203-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	78		0.1	0.1	% by Weight	% Solids	
Tetrachloroethene	0.0080		0.00025	0.00089	mg/kg dry	EPA 8260B	

Client ID: SB-19 **Lab ID: CZ02203-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	76		0.1	0.1	% by Weight	% Solids	
Bis(2-ethylhexyl)phthalate	0.046	J	0.046	0.43	mg/kg dry	EPA 8270D	
Tetrachloroethene	0.00046	J	0.00025	0.00091	mg/kg dry	EPA 8260B	

Client ID: SB-20 **Lab ID: CZ02203-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
% Solids	81		0.1	0.1	% by Weight	% Solids	
Tetrachloroethene	0.022		0.00019	0.00068	mg/kg dry	EPA 8260B	

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ANALYTICAL RESULTS

Description: SB-16	**Lab Sample ID:** CZ02203-01	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 67.56

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00026	U	mg/kg dry	0.7	0.00026	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00021	U	mg/kg dry	0.7	0.00021	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.00026	U	mg/kg dry	0.7	0.00026	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,1-Dichloroethane [75-34-3]^	0.00026	U	mg/kg dry	0.7	0.00026	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,1-Dichloroethene [75-35-4]^	0.00031	U	mg/kg dry	0.7	0.00031	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,1-Dichloropropene [563-58-6]^	0.00017	U	mg/kg dry	0.7	0.00017	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.00029	U	mg/kg dry	0.7	0.00029	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.00066	U	mg/kg dry	0.7	0.00066	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.00028	U	mg/kg dry	0.7	0.00028	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.00018	U	mg/kg dry	0.7	0.00018	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2-Dibromoethane [106-93-4]^	0.00048	U	mg/kg dry	0.7	0.00048	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.00028	U	mg/kg dry	0.7	0.00028	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2-Dichloroethane [107-06-2]^	0.00042	U	mg/kg dry	0.7	0.00042	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,2-Dichloropropane [78-87-5]^	0.00027	U	mg/kg dry	0.7	0.00027	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.00021	U	mg/kg dry	0.7	0.00021	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.00023	U	mg/kg dry	0.7	0.00023	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,3-Dichloropropane [142-28-9]^	0.00030	U	mg/kg dry	0.7	0.00030	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.00021	U	mg/kg dry	0.7	0.00021	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
2,2-Dichloropropane [594-20-7]^	0.00024	U	mg/kg dry	0.7	0.00024	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
2-Butanone [78-93-3]^	0.00081	U	mg/kg dry	0.7	0.00081	0.0052	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
2-Chlorotoluene [95-49-8]^	0.00019	U	mg/kg dry	0.7	0.00019	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
2-Hexanone [591-78-6]^	0.00078	U	mg/kg dry	0.7	0.00078	0.0052	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
4-Chlorotoluene [106-43-4]^	0.00027	U	mg/kg dry	0.7	0.00027	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
4-Isopropyltoluene [99-87-6]^	0.00017	U	mg/kg dry	0.7	0.00017	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
4-Methyl-2-pentanone [108-10-1]^	0.00059	U	mg/kg dry	0.7	0.00059	0.0052	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Acetone [67-64-1]^	0.0015	U	mg/kg dry	0.7	0.0015	0.0052	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Benzene [71-43-2]^	0.00018	U	mg/kg dry	0.7	0.00018	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Bromobenzene [108-86-1]^	0.00023	U	mg/kg dry	0.7	0.00023	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Bromochloromethane [74-97-5]^	0.00042	U	mg/kg dry	0.7	0.00042	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Bromodichloromethane [75-27-4]^	0.00025	U	mg/kg dry	0.7	0.00025	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Bromoform [75-25-2]^	0.00047	U	mg/kg dry	0.7	0.00047	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Bromomethane [74-83-9]^	0.00033	U	mg/kg dry	0.7	0.00033	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Carbon Tetrachloride [56-23-5]^	0.00023	U	mg/kg dry	0.7	0.00023	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Chlorobenzene [108-90-7]^	0.00018	U	mg/kg dry	0.7	0.00018	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Chloroethane [75-00-3]^	0.00026	U	mg/kg dry	0.7	0.00026	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Chloroform [67-66-3]^	0.00019	U	mg/kg dry	0.7	0.00019	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Chloromethane [74-87-3]^	0.00022	U	mg/kg dry	0.7	0.00022	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.00024	U	mg/kg dry	0.7	0.00024	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.00018	U	mg/kg dry	0.7	0.00018	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Dibromochloromethane [124-48-1]^	0.00036	U	mg/kg dry	0.7	0.00036	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.00047	U	mg/kg dry	0.7	0.00047	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Ethylbenzene [100-41-4]^	0.00021	U	mg/kg dry	0.7	0.00021	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Isopropyl Ether [108-20-3]^	0.00019	U	mg/kg dry	0.7	0.00019	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Isopropylbenzene [98-82-8]^	0.00016	U	mg/kg dry	0.7	0.00016	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Methylene Chloride [75-09-2]^	0.00076	U	mg/kg dry	0.7	0.00076	0.0021	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00031	U	mg/kg dry	0.7	0.00031	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Naphthalene [91-20-3]^	0.00028	U	mg/kg dry	0.7	0.00028	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	

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ANALYTICAL RESULTS

Description: SB-16	**Lab Sample ID:** CZ02203-01	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 67.56

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00013	U	mg/kg dry	0.7	0.00013	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
n-Propyl Benzene [103-65-1]^	0.00019	U	mg/kg dry	0.7	0.00019	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
sec-Butylbenzene [135-98-8]^	0.00098	U	mg/kg dry	0.7	0.00098	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Styrene [100-42-5]^	0.0010	U	mg/kg dry	0.7	0.0010	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
tert-Butylbenzene [98-06-6]^	0.00018	U	mg/kg dry	0.7	0.00018	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Tetrachloroethene [127-18-4]^	**0.012**		mg/kg dry	0.7	0.00029	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Toluene [108-88-3]^	0.00025	U	mg/kg dry	0.7	0.00025	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.00038	U	mg/kg dry	0.7	0.00038	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.00040	U	mg/kg dry	0.7	0.00040	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Trichloroethene [79-01-6]^	0.00033	U	mg/kg dry	0.7	0.00033	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Trichlorofluoromethane [75-69-4]^	0.00027	U	mg/kg dry	0.7	0.00027	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Vinyl acetate [108-05-4]^	0.00049	U	mg/kg dry	0.7	0.00049	0.0052	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Vinyl chloride [75-01-4]^	0.00025	U	mg/kg dry	0.7	0.00025	0.0010	6C09027	EPA 8260B	03/09/16 17:40	MSZ	
Xylenes (Total) [1330-20-7]^	0.00058	U	mg/kg dry	0.7	0.00058	0.0031	6C09027	EPA 8260B	03/09/16 17:40	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*0.7*	*50.0*	*86 %*	*50-127*	*6C09027*	*EPA 8260B*	*03/09/16 17:40*	*MSZ*	
Dibromofluoromethane	*45*	*0.7*	*50.0*	*90 %*	*52-128*	*6C09027*	*EPA 8260B*	*03/09/16 17:40*	*MSZ*	
Toluene-d8	*47*	*0.7*	*50.0*	*93 %*	*57-124*	*6C09027*	*EPA 8260B*	*03/09/16 17:40*	*MSZ*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.040	U	mg/kg dry	1	0.040	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2,4-Dichlorophenol [120-83-2]^	0.036	U	mg/kg dry	1	0.036	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2,4-Dimethylphenol [105-67-9]^	0.064	U	mg/kg dry	1	0.064	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2,4-Dinitrophenol [51-28-5]^	0.064	U	mg/kg dry	1	0.064	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.046	U	mg/kg dry	1	0.046	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Chloronaphthalene [91-58-7]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Chlorophenol [95-57-8]^	0.037	U	mg/kg dry	1	0.037	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Methylnaphthalene [91-57-6]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Methylphenol [95-48-7]^	0.037	U	mg/kg dry	1	0.037	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
2-Nitrophenol [88-75-5]^	0.046	U	mg/kg dry	1	0.046	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.038	U	mg/kg dry	1	0.038	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.15	U	mg/kg dry	1	0.15	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.040	U	mg/kg dry	1	0.040	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
4-Chloroaniline [106-47-8]^	0.14	U	mg/kg dry	1	0.14	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.038	U	mg/kg dry	1	0.038	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
4-Nitrophenol [100-02-7]^	0.046	U	mg/kg dry	1	0.046	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Acenaphthene [83-32-9]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Acenaphthylene [208-96-8]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Anthracene [120-12-7]^	0.056	U	mg/kg dry	1	0.056	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzo(a)anthracene [56-55-3]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzo(a)pyrene [50-32-8]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.027	U	mg/kg dry	1	0.027	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	

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ANALYTICAL RESULTS

Description: SB-16	**Lab Sample ID:** CZ02203-01	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 67.56

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	0.070	U	mg/kg dry	1	0.070	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzoic acid [65-85-0]^	0.22	U	mg/kg dry	1	0.22	2.5	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Benzyl alcohol [100-51-6]^	0.034	U	mg/kg dry	1	0.034	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.037	U	mg/kg dry	1	0.037	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.064	U	mg/kg dry	1	0.064	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.036	U	mg/kg dry	1	0.036	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.052	U	mg/kg dry	1	0.052	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Butylbenzylphthalate [85-68-7]^	0.059	U	mg/kg dry	1	0.059	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Chrysene [218-01-9]^	0.044	U	mg/kg dry	1	0.044	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.075	U	mg/kg dry	1	0.075	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Dibenzofuran [132-64-9]^	0.040	U	mg/kg dry	1	0.040	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Diethylphthalate [84-66-2]^	0.041	U	mg/kg dry	1	0.041	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Dimethylphthalate [131-11-3]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Di-n-butylphthalate [84-74-2]^	0.061	U	mg/kg dry	1	0.061	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Di-n-octylphthalate [117-84-0]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
DPH (as Azobenzene) [103-33-3]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Fluoranthene [206-44-0]^	0.053	U	mg/kg dry	1	0.053	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Fluorene [86-73-7]^	0.043	U	mg/kg dry	1	0.043	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Hexachlorobenzene [118-74-1]^	0.038	U	mg/kg dry	1	0.038	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Hexachlorobutadiene [87-68-3]^	0.038	U	mg/kg dry	1	0.038	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.058	U	mg/kg dry	1	0.058	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Hexachloroethane [67-72-1]^	0.031	U	mg/kg dry	1	0.031	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.070	U	mg/kg dry	1	0.070	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Isophorone [78-59-1]^	0.044	U	mg/kg dry	1	0.044	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Nitrobenzene [98-95-3]^	0.038	U	mg/kg dry	1	0.038	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.031	U	mg/kg dry	1	0.031	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.12	U	mg/kg dry	1	0.12	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.080	U	mg/kg dry	1	0.080	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Pentachlorophenol [87-86-5]^	0.049	U	mg/kg dry	1	0.049	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Phenanthrene [85-01-8]^	0.040	U	mg/kg dry	1	0.040	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Phenol [108-95-2]^	0.033	U	mg/kg dry	1	0.033	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	
Pyrene [129-00-0]^	0.056	U	mg/kg dry	1	0.056	0.49	6C07002	EPA 8270D	03/07/16 15:44	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*4.2*	*1*	*4.93*	*85 %*	*28-130*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	
2-Fluorobiphenyl	*1.9*	*1*	*2.47*	*77 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	
2-Fluorophenol	*3.5*	*1*	*4.93*	*70 %*	*49-126*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	
Nitrobenzene-d5	*1.8*	*1*	*2.47*	*73 %*	*50-117*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	
Phenol-d5	*3.8*	*1*	*4.93*	*77 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	
Terphenyl-d14	*2.2*	*1*	*2.47*	*90 %*	*36-151*	*6C07002*	*EPA 8270D*	*03/07/16 15:44*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-16	**Lab Sample ID:**	CZ02203-01	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 09:45	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	67.56

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6C07002	EPA 8270D	03/07/16 15:44	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**68**		% by Weight	1	0.1	0.1	6C05001	% Solids	03/05/16 10:30	RAY	

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ANALYTICAL RESULTS

Description: SB-17	**Lab Sample ID:** CZ02203-02	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 10:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 87.55

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00013	U	mg/kg dry	0.571	0.00013	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,1-Dichloroethane [75-34-3]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,1-Dichloroethene [75-35-4]^	0.00020	U	mg/kg dry	0.571	0.00020	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,1-Dichloropropene [563-58-6]^	0.00010	U	mg/kg dry	0.571	0.00010	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.00018	U	mg/kg dry	0.571	0.00018	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.00042	U	mg/kg dry	0.571	0.00042	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.00018	U	mg/kg dry	0.571	0.00018	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.00011	U	mg/kg dry	0.571	0.00011	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2-Dibromoethane [106-93-4]^	0.00030	U	mg/kg dry	0.571	0.00030	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.00018	U	mg/kg dry	0.571	0.00018	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2-Dichloroethane [107-06-2]^	0.00027	U	mg/kg dry	0.571	0.00027	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,2-Dichloropropane [78-87-5]^	0.00017	U	mg/kg dry	0.571	0.00017	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.00013	U	mg/kg dry	0.571	0.00013	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.00014	U	mg/kg dry	0.571	0.00014	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,3-Dichloropropane [142-28-9]^	0.00019	U	mg/kg dry	0.571	0.00019	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.00013	U	mg/kg dry	0.571	0.00013	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
2,2-Dichloropropane [594-20-7]^	0.00015	U	mg/kg dry	0.571	0.00015	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
2-Butanone [78-93-3]^	0.00051	U	mg/kg dry	0.571	0.00051	0.0033	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
2-Chlorotoluene [95-49-8]^	0.00012	U	mg/kg dry	0.571	0.00012	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
2-Hexanone [591-78-6]^	0.00049	U	mg/kg dry	0.571	0.00049	0.0033	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
4-Chlorotoluene [106-43-4]^	0.00017	U	mg/kg dry	0.571	0.00017	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
4-Isopropyltoluene [99-87-6]^	0.00010	U	mg/kg dry	0.571	0.00010	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
4-Methyl-2-pentanone [108-10-1]^	0.00037	U	mg/kg dry	0.571	0.00037	0.0033	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Acetone [67-64-1]^	0.00091	U	mg/kg dry	0.571	0.00091	0.0033	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Benzene [71-43-2]^	0.00011	U	mg/kg dry	0.571	0.00011	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Bromobenzene [108-86-1]^	0.00014	U	mg/kg dry	0.571	0.00014	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Bromochloromethane [74-97-5]^	0.00027	U	mg/kg dry	0.571	0.00027	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Bromodichloromethane [75-27-4]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Bromoform [75-25-2]^	0.00029	U	mg/kg dry	0.571	0.00029	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Bromomethane [74-83-9]^	0.00021	U	mg/kg dry	0.571	0.00021	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Carbon Tetrachloride [56-23-5]^	0.00014	U	mg/kg dry	0.571	0.00014	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Chlorobenzene [108-90-7]^	0.00011	U	mg/kg dry	0.571	0.00011	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Chloroethane [75-00-3]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Chloroform [67-66-3]^	0.00012	U	mg/kg dry	0.571	0.00012	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Chloromethane [74-87-3]^	0.00014	U	mg/kg dry	0.571	0.00014	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.00015	U	mg/kg dry	0.571	0.00015	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.00011	U	mg/kg dry	0.571	0.00011	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Dibromochloromethane [124-48-1]^	0.00023	U	mg/kg dry	0.571	0.00023	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.00029	U	mg/kg dry	0.571	0.00029	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Ethylbenzene [100-41-4]^	0.00013	U	mg/kg dry	0.571	0.00013	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Isopropyl Ether [108-20-3]^	0.00012	U	mg/kg dry	0.571	0.00012	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Isopropylbenzene [98-82-8]^	0.00010	U	mg/kg dry	0.571	0.00010	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Methylene Chloride [75-09-2]^	0.00048	U	mg/kg dry	0.571	0.00048	0.0013	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00020	U	mg/kg dry	0.571	0.00020	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Naphthalene [91-20-3]^	0.00018	U	mg/kg dry	0.571	0.00018	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	

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ANALYTICAL RESULTS

Description: SB-17	**Lab Sample ID:** CZ02203-02	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 10:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 87.55

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00008	U	mg/kg dry	0.571	0.00008	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
n-Propyl Benzene [103-65-1]^	0.00012	U	mg/kg dry	0.571	0.00012	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
sec-Butylbenzene [135-98-8]^	0.00062	U	mg/kg dry	0.571	0.00062	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Styrene [100-42-5]^	0.00064	U	mg/kg dry	0.571	0.00064	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
tert-Butylbenzene [98-06-6]^	0.00011	U	mg/kg dry	0.571	0.00011	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Tetrachloroethene [127-18-4]^	**0.0048**		mg/kg dry	0.571	0.00018	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Toluene [108-88-3]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.00024	U	mg/kg dry	0.571	0.00024	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.00025	U	mg/kg dry	0.571	0.00025	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Trichloroethene [79-01-6]^	0.00021	U	mg/kg dry	0.571	0.00021	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Trichlorofluoromethane [75-69-4]^	0.00017	U	mg/kg dry	0.571	0.00017	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Vinyl acetate [108-05-4]^	0.00031	U	mg/kg dry	0.571	0.00031	0.0033	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Vinyl chloride [75-01-4]^	0.00016	U	mg/kg dry	0.571	0.00016	0.00065	6C09027	EPA 8260B	03/09/16 18:10	MSZ	
Xylenes (Total) [1330-20-7]^	0.00037	U	mg/kg dry	0.571	0.00037	0.0020	6C09027	EPA 8260B	03/09/16 18:10	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*0.571*	*50.0*	*90 %*	*50-127*	*6C09027*	*EPA 8260B*	*03/09/16 18:10*	*MSZ*	
Dibromofluoromethane	*44*	*0.571*	*50.0*	*88 %*	*52-128*	*6C09027*	*EPA 8260B*	*03/09/16 18:10*	*MSZ*	
Toluene-d8	*47*	*0.571*	*50.0*	*94 %*	*57-124*	*6C09027*	*EPA 8260B*	*03/09/16 18:10*	*MSZ*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.031	U	mg/kg dry	1	0.031	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2,4-Dichlorophenol [120-83-2]^	0.027	U	mg/kg dry	1	0.027	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2,4-Dimethylphenol [105-67-9]^	0.049	U	mg/kg dry	1	0.049	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2,4-Dinitrophenol [51-28-5]^	0.049	U	mg/kg dry	1	0.049	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.035	U	mg/kg dry	1	0.035	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Chloronaphthalene [91-58-7]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Chlorophenol [95-57-8]^	0.029	U	mg/kg dry	1	0.029	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Methylnaphthalene [91-57-6]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Methylphenol [95-48-7]^	0.029	U	mg/kg dry	1	0.029	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
2-Nitrophenol [88-75-5]^	0.035	U	mg/kg dry	1	0.035	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.030	U	mg/kg dry	1	0.030	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.11	U	mg/kg dry	1	0.11	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.031	U	mg/kg dry	1	0.031	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.030	U	mg/kg dry	1	0.030	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
4-Nitrophenol [100-02-7]^	0.035	U	mg/kg dry	1	0.035	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Acenaphthene [83-32-9]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Acenaphthylene [208-96-8]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Anthracene [120-12-7]^	0.043	U	mg/kg dry	1	0.043	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzo(a)anthracene [56-55-3]^	**0.19**	J	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzo(a)pyrene [50-32-8]^	**0.22**	J	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzo(b)fluoranthene [205-99-2]^	**0.28**	J	mg/kg dry	1	0.021	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	

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ANALYTICAL RESULTS

Description: SB-17	**Lab Sample ID:** CZ02203-02	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 10:45	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 87.55

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	**0.17**	J	mg/kg dry	1	0.054	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzo(k)fluoranthene [207-08-9]^	**0.15**	J	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzoic acid [65-85-0]^	0.17	U	mg/kg dry	1	0.17	1.9	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Benzyl alcohol [100-51-6]^	0.026	U	mg/kg dry	1	0.026	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.029	U	mg/kg dry	1	0.029	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.049	U	mg/kg dry	1	0.049	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.027	U	mg/kg dry	1	0.027	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.040	U	mg/kg dry	1	0.040	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Butylbenzylphthalate [85-68-7]^	0.046	U	mg/kg dry	1	0.046	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Chrysene [218-01-9]^	**0.21**	J	mg/kg dry	1	0.034	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.058	U	mg/kg dry	1	0.058	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Dibenzofuran [132-64-9]^	0.031	U	mg/kg dry	1	0.031	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Diethylphthalate [84-66-2]^	0.032	U	mg/kg dry	1	0.032	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Dimethylphthalate [131-11-3]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Di-n-butylphthalate [84-74-2]^	0.047	U	mg/kg dry	1	0.047	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Di-n-octylphthalate [117-84-0]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
DPH (as Azobenzene) [103-33-3]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Fluoranthene [206-44-0]^	**0.27**	J	mg/kg dry	1	0.041	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Fluorene [86-73-7]^	0.033	U	mg/kg dry	1	0.033	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Hexachlorobenzene [118-74-1]^	0.030	U	mg/kg dry	1	0.030	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Hexachlorobutadiene [87-68-3]^	0.030	U	mg/kg dry	1	0.030	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.045	U	mg/kg dry	1	0.045	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Hexachloroethane [67-72-1]^	0.024	U	mg/kg dry	1	0.024	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	**0.15**	J	mg/kg dry	1	0.054	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Isophorone [78-59-1]^	0.034	U	mg/kg dry	1	0.034	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Nitrobenzene [98-95-3]^	0.030	U	mg/kg dry	1	0.030	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.024	U	mg/kg dry	1	0.024	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.093	U	mg/kg dry	1	0.093	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.062	U	mg/kg dry	1	0.062	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Pentachlorophenol [87-86-5]^	0.038	U	mg/kg dry	1	0.038	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Phenanthrene [85-01-8]^	**0.12**	J	mg/kg dry	1	0.031	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Phenol [108-95-2]^	0.025	U	mg/kg dry	1	0.025	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	
Pyrene [129-00-0]^	**0.23**	J	mg/kg dry	1	0.043	0.38	6C07002	EPA 8270D	03/07/16 16:15	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*1*	*3.81*	*89 %*	*28-130*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	
2-Fluorobiphenyl	*1.5*	*1*	*1.90*	*77 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	
2-Fluorophenol	*2.7*	*1*	*3.81*	*71 %*	*49-126*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	
Nitrobenzene-d5	*1.4*	*1*	*1.90*	*74 %*	*50-117*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	
Phenol-d5	*3.0*	*1*	*3.81*	*78 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	
Terphenyl-d14	*1.5*	*1*	*1.90*	*81 %*	*36-151*	*6C07002*	*EPA 8270D*	*03/07/16 16:15*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-17	**Lab Sample ID:**	CZ02203-02	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 10:45	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	87.55

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6C07002	EPA 8270D	03/07/16 16:15	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**88**		% by Weight	1	0.1	0.1	6C05001	% Solids	03/05/16 10:30	RAY	

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ANALYTICAL RESULTS

Description: SB-18	**Lab Sample ID:** CZ02203-03	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 10:25	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 78.30

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00022	U	mg/kg dry	0.697	0.00022	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00018	U	mg/kg dry	0.697	0.00018	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.00022	U	mg/kg dry	0.697	0.00022	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,1-Dichloroethane [75-34-3]^	0.00022	U	mg/kg dry	0.697	0.00022	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,1-Dichloroethene [75-35-4]^	0.00027	U	mg/kg dry	0.697	0.00027	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,1-Dichloropropene [563-58-6]^	0.00014	U	mg/kg dry	0.697	0.00014	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.00025	U	mg/kg dry	0.697	0.00025	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.00057	U	mg/kg dry	0.697	0.00057	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.00024	U	mg/kg dry	0.697	0.00024	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.00015	U	mg/kg dry	0.697	0.00015	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2-Dibromoethane [106-93-4]^	0.00041	U	mg/kg dry	0.697	0.00041	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.00024	U	mg/kg dry	0.697	0.00024	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2-Dichloroethane [107-06-2]^	0.00037	U	mg/kg dry	0.697	0.00037	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,2-Dichloropropane [78-87-5]^	0.00023	U	mg/kg dry	0.697	0.00023	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.00018	U	mg/kg dry	0.697	0.00018	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.00020	U	mg/kg dry	0.697	0.00020	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,3-Dichloropropane [142-28-9]^	0.00026	U	mg/kg dry	0.697	0.00026	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.00018	U	mg/kg dry	0.697	0.00018	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
2,2-Dichloropropane [594-20-7]^	0.00020	U	mg/kg dry	0.697	0.00020	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
2-Butanone [78-93-3]^	0.00069	U	mg/kg dry	0.697	0.00069	0.0045	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
2-Chlorotoluene [95-49-8]^	0.00016	U	mg/kg dry	0.697	0.00016	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
2-Hexanone [591-78-6]^	0.00067	U	mg/kg dry	0.697	0.00067	0.0045	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
4-Chlorotoluene [106-43-4]^	0.00023	U	mg/kg dry	0.697	0.00023	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
4-Isopropyltoluene [99-87-6]^	0.00014	U	mg/kg dry	0.697	0.00014	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
4-Methyl-2-pentanone [108-10-1]^	0.00051	U	mg/kg dry	0.697	0.00051	0.0045	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Acetone [67-64-1]^	0.0012	U	mg/kg dry	0.697	0.0012	0.0045	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Benzene [71-43-2]^	0.00015	U	mg/kg dry	0.697	0.00015	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Bromobenzene [108-86-1]^	0.00020	U	mg/kg dry	0.697	0.00020	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Bromochloromethane [74-97-5]^	0.00037	U	mg/kg dry	0.697	0.00037	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Bromodichloromethane [75-27-4]^	0.00021	U	mg/kg dry	0.697	0.00021	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Bromoform [75-25-2]^	0.00040	U	mg/kg dry	0.697	0.00040	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Bromomethane [74-83-9]^	0.00028	U	mg/kg dry	0.697	0.00028	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Carbon Tetrachloride [56-23-5]^	0.00020	U	mg/kg dry	0.697	0.00020	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Chlorobenzene [108-90-7]^	0.00015	U	mg/kg dry	0.697	0.00015	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Chloroethane [75-00-3]^	0.00022	U	mg/kg dry	0.697	0.00022	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Chloroform [67-66-3]^	0.00016	U	mg/kg dry	0.697	0.00016	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Chloromethane [74-87-3]^	0.00019	U	mg/kg dry	0.697	0.00019	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.00020	U	mg/kg dry	0.697	0.00020	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.00015	U	mg/kg dry	0.697	0.00015	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Dibromochloromethane [124-48-1]^	0.00031	U	mg/kg dry	0.697	0.00031	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.00040	U	mg/kg dry	0.697	0.00040	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Ethylbenzene [100-41-4]^	0.00018	U	mg/kg dry	0.697	0.00018	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Isopropyl Ether [108-20-3]^	0.00016	U	mg/kg dry	0.697	0.00016	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Isopropylbenzene [98-82-8]^	0.00013	U	mg/kg dry	0.697	0.00013	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Methylene Chloride [75-09-2]^	0.00065	U	mg/kg dry	0.697	0.00065	0.0018	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00027	U	mg/kg dry	0.697	0.00027	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Naphthalene [91-20-3]^	0.00024	U	mg/kg dry	0.697	0.00024	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	

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ANALYTICAL RESULTS

Description:	SB-18	**Lab Sample ID:**	CZ02203-03	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 10:25	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	78.30

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00012	U	mg/kg dry	0.697	0.00012	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
n-Propyl Benzene [103-65-1]^	0.00016	U	mg/kg dry	0.697	0.00016	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
sec-Butylbenzene [135-98-8]^	0.00085	U	mg/kg dry	0.697	0.00085	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Styrene [100-42-5]^	0.00087	U	mg/kg dry	0.697	0.00087	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
tert-Butylbenzene [98-06-6]^	0.00015	U	mg/kg dry	0.697	0.00015	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Tetrachloroethene [127-18-4]^	**0.0080**		mg/kg dry	0.697	0.00025	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Toluene [108-88-3]^	0.00021	U	mg/kg dry	0.697	0.00021	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.00033	U	mg/kg dry	0.697	0.00033	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.00035	U	mg/kg dry	0.697	0.00035	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Trichloroethene [79-01-6]^	0.00028	U	mg/kg dry	0.697	0.00028	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Trichlorofluoromethane [75-69-4]^	0.00023	U	mg/kg dry	0.697	0.00023	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Vinyl acetate [108-05-4]^	0.00042	U	mg/kg dry	0.697	0.00042	0.0045	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Vinyl chloride [75-01-4]^	0.00021	U	mg/kg dry	0.697	0.00021	0.00089	6C09027	EPA 8260B	03/09/16 18:39	MSZ	
Xylenes (Total) [1330-20-7]^	0.00050	U	mg/kg dry	0.697	0.00050	0.0027	6C09027	EPA 8260B	03/09/16 18:39	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*0.697*	*50.0*	*88 %*	*50-127*	*6C09027*	*EPA 8260B*	*03/09/16 18:39*	*MSZ*	
Dibromofluoromethane	*45*	*0.697*	*50.0*	*89 %*	*52-128*	*6C09027*	*EPA 8260B*	*03/09/16 18:39*	*MSZ*	
Toluene-d8	*48*	*0.697*	*50.0*	*95 %*	*57-124*	*6C09027*	*EPA 8260B*	*03/09/16 18:39*	*MSZ*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.034	U	mg/kg dry	1	0.034	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2,4-Dichlorophenol [120-83-2]^	0.031	U	mg/kg dry	1	0.031	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2,4-Dimethylphenol [105-67-9]^	0.055	U	mg/kg dry	1	0.055	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2,4-Dinitrophenol [51-28-5]^	0.055	U	mg/kg dry	1	0.055	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.040	U	mg/kg dry	1	0.040	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Chloronaphthalene [91-58-7]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Chlorophenol [95-57-8]^	0.032	U	mg/kg dry	1	0.032	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Methylnaphthalene [91-57-6]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Methylphenol [95-48-7]^	0.032	U	mg/kg dry	1	0.032	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
2-Nitrophenol [88-75-5]^	0.040	U	mg/kg dry	1	0.040	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.033	U	mg/kg dry	1	0.033	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.13	U	mg/kg dry	1	0.13	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.034	U	mg/kg dry	1	0.034	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
4-Chloroaniline [106-47-8]^	0.12	U	mg/kg dry	1	0.12	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.033	U	mg/kg dry	1	0.033	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
4-Nitrophenol [100-02-7]^	0.040	U	mg/kg dry	1	0.040	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Acenaphthene [83-32-9]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Acenaphthylene [208-96-8]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Anthracene [120-12-7]^	0.049	U	mg/kg dry	1	0.049	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzo(a)anthracene [56-55-3]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzo(a)pyrene [50-32-8]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.023	U	mg/kg dry	1	0.023	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	

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ANALYTICAL RESULTS

Description:	SB-18	**Lab Sample ID:**	CZ02203-03	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 10:25	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	78.30

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	0.060	U	mg/kg dry	1	0.060	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzoic acid [65-85-0]^	0.19	U	mg/kg dry	1	0.19	2.2	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Benzyl alcohol [100-51-6]^	0.029	U	mg/kg dry	1	0.029	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.032	U	mg/kg dry	1	0.032	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.055	U	mg/kg dry	1	0.055	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.031	U	mg/kg dry	1	0.031	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.045	U	mg/kg dry	1	0.045	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Butylbenzylphthalate [85-68-7]^	0.051	U	mg/kg dry	1	0.051	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Chrysene [218-01-9]^	0.038	U	mg/kg dry	1	0.038	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.065	U	mg/kg dry	1	0.065	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Dibenzofuran [132-64-9]^	0.034	U	mg/kg dry	1	0.034	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Diethylphthalate [84-66-2]^	0.036	U	mg/kg dry	1	0.036	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Dimethylphthalate [131-11-3]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Di-n-butylphthalate [84-74-2]^	0.052	U	mg/kg dry	1	0.052	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Di-n-octylphthalate [117-84-0]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
DPH (as Azobenzene) [103-33-3]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Fluoranthene [206-44-0]^	0.046	U	mg/kg dry	1	0.046	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Fluorene [86-73-7]^	0.037	U	mg/kg dry	1	0.037	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Hexachlorobenzene [118-74-1]^	0.033	U	mg/kg dry	1	0.033	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Hexachlorobutadiene [87-68-3]^	0.033	U	mg/kg dry	1	0.033	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.050	U	mg/kg dry	1	0.050	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Hexachloroethane [67-72-1]^	0.027	U	mg/kg dry	1	0.027	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.060	U	mg/kg dry	1	0.060	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Isophorone [78-59-1]^	0.038	U	mg/kg dry	1	0.038	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Nitrobenzene [98-95-3]^	0.033	U	mg/kg dry	1	0.033	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.027	U	mg/kg dry	1	0.027	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.10	U	mg/kg dry	1	0.10	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.069	U	mg/kg dry	1	0.069	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Pentachlorophenol [87-86-5]^	0.042	U	mg/kg dry	1	0.042	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Phenanthrene [85-01-8]^	0.034	U	mg/kg dry	1	0.034	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Phenol [108-95-2]^	0.028	U	mg/kg dry	1	0.028	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	
Pyrene [129-00-0]^	0.049	U	mg/kg dry	1	0.049	0.42	6C07002	EPA 8270D	03/07/16 16:46	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.7*	*1*	*4.26*	*87 %*	*28-130*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	
2-Fluorobiphenyl	*1.8*	*1*	*2.13*	*83 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	
2-Fluorophenol	*3.2*	*1*	*4.26*	*74 %*	*49-126*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.13*	*77 %*	*50-117*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	
Phenol-d5	*3.5*	*1*	*4.26*	*82 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*2.13*	*89 %*	*36-151*	*6C07002*	*EPA 8270D*	*03/07/16 16:46*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-18	**Lab Sample ID:**	CZ02203-03	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 10:25	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	78.30

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6C07002	EPA 8270D	03/07/16 16:46	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**78**		% by Weight	1	0.1	0.1	6C05001	% Solids	03/05/16 10:30	RAY	

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ANALYTICAL RESULTS

Description: SB-19	**Lab Sample ID:** CZ02203-04	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:20	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 76.07

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00023	U	mg/kg dry	0.691	0.00023	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00018	U	mg/kg dry	0.691	0.00018	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.00023	U	mg/kg dry	0.691	0.00023	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,1-Dichloroethane [75-34-3]^	0.00023	U	mg/kg dry	0.691	0.00023	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,1-Dichloroethene [75-35-4]^	0.00027	U	mg/kg dry	0.691	0.00027	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,1-Dichloropropene [563-58-6]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.00025	U	mg/kg dry	0.691	0.00025	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.00058	U	mg/kg dry	0.691	0.00058	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.00025	U	mg/kg dry	0.691	0.00025	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2-Dibromoethane [106-93-4]^	0.00042	U	mg/kg dry	0.691	0.00042	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.00025	U	mg/kg dry	0.691	0.00025	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2-Dichloroethane [107-06-2]^	0.00037	U	mg/kg dry	0.691	0.00037	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,2-Dichloropropane [78-87-5]^	0.00024	U	mg/kg dry	0.691	0.00024	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.00018	U	mg/kg dry	0.691	0.00018	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.00020	U	mg/kg dry	0.691	0.00020	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,3-Dichloropropane [142-28-9]^	0.00026	U	mg/kg dry	0.691	0.00026	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.00018	U	mg/kg dry	0.691	0.00018	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
2,2-Dichloropropane [594-20-7]^	0.00021	U	mg/kg dry	0.691	0.00021	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
2-Butanone [78-93-3]^	0.00071	U	mg/kg dry	0.691	0.00071	0.0045	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
2-Chlorotoluene [95-49-8]^	0.00016	U	mg/kg dry	0.691	0.00016	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
2-Hexanone [591-78-6]^	0.00068	U	mg/kg dry	0.691	0.00068	0.0045	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
4-Chlorotoluene [106-43-4]^	0.00024	U	mg/kg dry	0.691	0.00024	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
4-Isopropyltoluene [99-87-6]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
4-Methyl-2-pentanone [108-10-1]^	0.00052	U	mg/kg dry	0.691	0.00052	0.0045	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Acetone [67-64-1]^	0.0013	U	mg/kg dry	0.691	0.0013	0.0045	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Benzene [71-43-2]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Bromobenzene [108-86-1]^	0.00020	U	mg/kg dry	0.691	0.00020	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Bromochloromethane [74-97-5]^	0.00037	U	mg/kg dry	0.691	0.00037	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Bromodichloromethane [75-27-4]^	0.00022	U	mg/kg dry	0.691	0.00022	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Bromoform [75-25-2]^	0.00041	U	mg/kg dry	0.691	0.00041	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Bromomethane [74-83-9]^	0.00029	U	mg/kg dry	0.691	0.00029	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Carbon Tetrachloride [56-23-5]^	0.00020	U	mg/kg dry	0.691	0.00020	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Chlorobenzene [108-90-7]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Chloroethane [75-00-3]^	0.00023	U	mg/kg dry	0.691	0.00023	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Chloroform [67-66-3]^	0.00016	U	mg/kg dry	0.691	0.00016	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Chloromethane [74-87-3]^	0.00019	U	mg/kg dry	0.691	0.00019	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.00021	U	mg/kg dry	0.691	0.00021	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Dibromochloromethane [124-48-1]^	0.00032	U	mg/kg dry	0.691	0.00032	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.00041	U	mg/kg dry	0.691	0.00041	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Ethylbenzene [100-41-4]^	0.00018	U	mg/kg dry	0.691	0.00018	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Isopropyl Ether [108-20-3]^	0.00016	U	mg/kg dry	0.691	0.00016	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Isopropylbenzene [98-82-8]^	0.00014	U	mg/kg dry	0.691	0.00014	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Methylene Chloride [75-09-2]^	0.00066	U	mg/kg dry	0.691	0.00066	0.0018	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00027	U	mg/kg dry	0.691	0.00027	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Naphthalene [91-20-3]^	0.00025	U	mg/kg dry	0.691	0.00025	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	

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ANALYTICAL RESULTS

Description: SB-19	**Lab Sample ID:** CZ02203-04	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:20	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 76.07

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00012	U	mg/kg dry	0.691	0.00012	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
n-Propyl Benzene [103-65-1]^	0.00016	U	mg/kg dry	0.691	0.00016	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
sec-Butylbenzene [135-98-8]^	0.00086	U	mg/kg dry	0.691	0.00086	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Styrene [100-42-5]^	0.00089	U	mg/kg dry	0.691	0.00089	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
tert-Butylbenzene [98-06-6]^	0.00015	U	mg/kg dry	0.691	0.00015	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Tetrachloroethene [127-18-4]^	**0.00046**	J	mg/kg dry	0.691	0.00025	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Toluene [108-88-3]^	0.00022	U	mg/kg dry	0.691	0.00022	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.00034	U	mg/kg dry	0.691	0.00034	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.00035	U	mg/kg dry	0.691	0.00035	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Trichloroethene [79-01-6]^	0.00029	U	mg/kg dry	0.691	0.00029	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Trichlorofluoromethane [75-69-4]^	0.00024	U	mg/kg dry	0.691	0.00024	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Vinyl acetate [108-05-4]^	0.00043	U	mg/kg dry	0.691	0.00043	0.0045	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Vinyl chloride [75-01-4]^	0.00022	U	mg/kg dry	0.691	0.00022	0.00091	6C09027	EPA 8260B	03/09/16 19:09	MSZ	
Xylenes (Total) [1330-20-7]^	0.00051	U	mg/kg dry	0.691	0.00051	0.0027	6C09027	EPA 8260B	03/09/16 19:09	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*78*	*0.691*	*50.0*	*156 %*	*50-127*	*6C09027*	*EPA 8260B*	*03/09/16 19:09*	*MSZ*	*QS-06*
Dibromofluoromethane	*45*	*0.691*	*50.0*	*91 %*	*52-128*	*6C09027*	*EPA 8260B*	*03/09/16 19:09*	*MSZ*	
Toluene-d8	*46*	*0.691*	*50.0*	*92 %*	*57-124*	*6C09027*	*EPA 8260B*	*03/09/16 19:09*	*MSZ*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.035	U	mg/kg dry	1	0.035	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2,4-Dichlorophenol [120-83-2]^	0.032	U	mg/kg dry	1	0.032	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2,4-Dimethylphenol [105-67-9]^	0.057	U	mg/kg dry	1	0.057	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2,4-Dinitrophenol [51-28-5]^	0.057	U	mg/kg dry	1	0.057	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.041	U	mg/kg dry	1	0.041	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Chloronaphthalene [91-58-7]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Chlorophenol [95-57-8]^	0.033	U	mg/kg dry	1	0.033	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Methylnaphthalene [91-57-6]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Methylphenol [95-48-7]^	0.033	U	mg/kg dry	1	0.033	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
2-Nitrophenol [88-75-5]^	0.041	U	mg/kg dry	1	0.041	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.034	U	mg/kg dry	1	0.034	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.13	U	mg/kg dry	1	0.13	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.035	U	mg/kg dry	1	0.035	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
4-Chloroaniline [106-47-8]^	0.12	U	mg/kg dry	1	0.12	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.034	U	mg/kg dry	1	0.034	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
4-Nitrophenol [100-02-7]^	0.041	U	mg/kg dry	1	0.041	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Acenaphthene [83-32-9]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Acenaphthylene [208-96-8]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Anthracene [120-12-7]^	0.050	U	mg/kg dry	1	0.050	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzo(a)anthracene [56-55-3]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzo(a)pyrene [50-32-8]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.024	U	mg/kg dry	1	0.024	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	

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ANALYTICAL RESULTS

Description: SB-19	**Lab Sample ID:** CZ02203-04	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:20	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 76.07

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	0.062	U	mg/kg dry	1	0.062	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzoic acid [65-85-0]^	0.20	U	mg/kg dry	1	0.20	2.2	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Benzyl alcohol [100-51-6]^	0.030	U	mg/kg dry	1	0.030	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.033	U	mg/kg dry	1	0.033	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.057	U	mg/kg dry	1	0.057	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.032	U	mg/kg dry	1	0.032	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	**0.046**	J	mg/kg dry	1	0.046	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Butylbenzylphthalate [85-68-7]^	0.053	U	mg/kg dry	1	0.053	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Chrysene [218-01-9]^	0.039	U	mg/kg dry	1	0.039	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.067	U	mg/kg dry	1	0.067	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Dibenzofuran [132-64-9]^	0.035	U	mg/kg dry	1	0.035	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Diethylphthalate [84-66-2]^	0.037	U	mg/kg dry	1	0.037	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Dimethylphthalate [131-11-3]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Di-n-butylphthalate [84-74-2]^	0.054	U	mg/kg dry	1	0.054	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Di-n-octylphthalate [117-84-0]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
DPH (as Azobenzene) [103-33-3]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Fluoranthene [206-44-0]^	0.047	U	mg/kg dry	1	0.047	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Fluorene [86-73-7]^	0.038	U	mg/kg dry	1	0.038	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Hexachlorobenzene [118-74-1]^	0.034	U	mg/kg dry	1	0.034	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Hexachlorobutadiene [87-68-3]^	0.034	U	mg/kg dry	1	0.034	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.051	U	mg/kg dry	1	0.051	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Hexachloroethane [67-72-1]^	0.028	U	mg/kg dry	1	0.028	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.062	U	mg/kg dry	1	0.062	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Isophorone [78-59-1]^	0.039	U	mg/kg dry	1	0.039	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Nitrobenzene [98-95-3]^	0.034	U	mg/kg dry	1	0.034	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.028	U	mg/kg dry	1	0.028	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.11	U	mg/kg dry	1	0.11	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.071	U	mg/kg dry	1	0.071	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Pentachlorophenol [87-86-5]^	0.043	U	mg/kg dry	1	0.043	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Phenanthrene [85-01-8]^	0.035	U	mg/kg dry	1	0.035	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Phenol [108-95-2]^	0.029	U	mg/kg dry	1	0.029	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	
Pyrene [129-00-0]^	0.050	U	mg/kg dry	1	0.050	0.43	6C07002	EPA 8270D	03/07/16 17:18	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*4.1*	*1*	*4.38*	*93 %*	*28-130*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	
2-Fluorobiphenyl	*1.8*	*1*	*2.19*	*80 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	
2-Fluorophenol	*3.3*	*1*	*4.38*	*76 %*	*49-126*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	
Nitrobenzene-d5	*1.7*	*1*	*2.19*	*78 %*	*50-117*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	
Phenol-d5	*3.6*	*1*	*4.38*	*83 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*2.19*	*86 %*	*36-151*	*6C07002*	*EPA 8270D*	*03/07/16 17:18*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-19	**Lab Sample ID:**	CZ02203-04	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 09:20	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	76.07

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6C07002	EPA 8270D	03/07/16 17:18	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**76**		% by Weight	1	0.1	0.1	6C05001	% Solids	03/05/16 10:30	RAY	

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ANALYTICAL RESULTS

Description:	SB-20	**Lab Sample ID:**	CZ02203-05	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 09:35	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	80.87

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.00017	U	mg/kg dry	0.548	0.00017	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.00014	U	mg/kg dry	0.548	0.00014	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.00017	U	mg/kg dry	0.548	0.00017	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,1-Dichloroethane [75-34-3]^	0.00017	U	mg/kg dry	0.548	0.00017	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,1-Dichloroethene [75-35-4]^	0.00020	U	mg/kg dry	0.548	0.00020	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,1-Dichloropropene [563-58-6]^	0.00011	U	mg/kg dry	0.548	0.00011	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.00019	U	mg/kg dry	0.548	0.00019	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.00043	U	mg/kg dry	0.548	0.00043	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2-Dibromoethane [106-93-4]^	0.00031	U	mg/kg dry	0.548	0.00031	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2-Dichloroethane [107-06-2]^	0.00028	U	mg/kg dry	0.548	0.00028	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,2-Dichloropropane [78-87-5]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.00014	U	mg/kg dry	0.548	0.00014	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.00015	U	mg/kg dry	0.548	0.00015	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,3-Dichloropropane [142-28-9]^	0.00020	U	mg/kg dry	0.548	0.00020	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.00014	U	mg/kg dry	0.548	0.00014	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
2,2-Dichloropropane [594-20-7]^	0.00016	U	mg/kg dry	0.548	0.00016	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
2-Butanone [78-93-3]^	0.00053	U	mg/kg dry	0.548	0.00053	0.0034	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
2-Chlorotoluene [95-49-8]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
2-Hexanone [591-78-6]^	0.00051	U	mg/kg dry	0.548	0.00051	0.0034	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
4-Chlorotoluene [106-43-4]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
4-Isopropyltoluene [99-87-6]^	0.00011	U	mg/kg dry	0.548	0.00011	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
4-Methyl-2-pentanone [108-10-1]^	0.00039	U	mg/kg dry	0.548	0.00039	0.0034	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Acetone [67-64-1]^	0.00095	U	mg/kg dry	0.548	0.00095	0.0034	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Benzene [71-43-2]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Bromobenzene [108-86-1]^	0.00015	U	mg/kg dry	0.548	0.00015	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Bromochloromethane [74-97-5]^	0.00028	U	mg/kg dry	0.548	0.00028	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Bromodichloromethane [75-27-4]^	0.00016	U	mg/kg dry	0.548	0.00016	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Bromoform [75-25-2]^	0.00030	U	mg/kg dry	0.548	0.00030	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Bromomethane [74-83-9]^	0.00022	U	mg/kg dry	0.548	0.00022	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Carbon Tetrachloride [56-23-5]^	0.00015	U	mg/kg dry	0.548	0.00015	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Chlorobenzene [108-90-7]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Chloroethane [75-00-3]^	0.00017	U	mg/kg dry	0.548	0.00017	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Chloroform [67-66-3]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Chloromethane [74-87-3]^	0.00014	U	mg/kg dry	0.548	0.00014	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.00016	U	mg/kg dry	0.548	0.00016	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Dibromochloromethane [124-48-1]^	0.00024	U	mg/kg dry	0.548	0.00024	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.00030	U	mg/kg dry	0.548	0.00030	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Ethylbenzene [100-41-4]^	0.00014	U	mg/kg dry	0.548	0.00014	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Isopropyl Ether [108-20-3]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Isopropylbenzene [98-82-8]^	0.00010	U	mg/kg dry	0.548	0.00010	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Methylene Chloride [75-09-2]^	0.00049	U	mg/kg dry	0.548	0.00049	0.0014	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.00020	U	mg/kg dry	0.548	0.00020	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Naphthalene [91-20-3]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	

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ANALYTICAL RESULTS

Description:	SB-20	**Lab Sample ID:**	CZ02203-05	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 09:35	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	80.87

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.00009	U	mg/kg dry	0.548	0.00009	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
n-Propyl Benzene [103-65-1]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
sec-Butylbenzene [135-98-8]^	0.00064	U	mg/kg dry	0.548	0.00064	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Styrene [100-42-5]^	0.00066	U	mg/kg dry	0.548	0.00066	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
tert-Butylbenzene [98-06-6]^	0.00012	U	mg/kg dry	0.548	0.00012	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Tetrachloroethene [127-18-4]^	**0.022**		mg/kg dry	0.548	0.00019	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Toluene [108-88-3]^	0.00016	U	mg/kg dry	0.548	0.00016	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.00025	U	mg/kg dry	0.548	0.00025	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.00026	U	mg/kg dry	0.548	0.00026	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Trichloroethene [79-01-6]^	0.00022	U	mg/kg dry	0.548	0.00022	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Trichlorofluoromethane [75-69-4]^	0.00018	U	mg/kg dry	0.548	0.00018	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Vinyl acetate [108-05-4]^	0.00032	U	mg/kg dry	0.548	0.00032	0.0034	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Vinyl chloride [75-01-4]^	0.00016	U	mg/kg dry	0.548	0.00016	0.00068	6C09027	EPA 8260B	03/09/16 19:38	MSZ	
Xylenes (Total) [1330-20-7]^	0.00038	U	mg/kg dry	0.548	0.00038	0.0020	6C09027	EPA 8260B	03/09/16 19:38	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*0.548*	*50.0*	*89 %*	*50-127*	*6C09027*	*EPA 8260B*	*03/09/16 19:38*	*MSZ*	
Dibromofluoromethane	*45*	*0.548*	*50.0*	*89 %*	*52-128*	*6C09027*	*EPA 8260B*	*03/09/16 19:38*	*MSZ*	
Toluene-d8	*47*	*0.548*	*50.0*	*93 %*	*57-124*	*6C09027*	*EPA 8260B*	*03/09/16 19:38*	*MSZ*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,6-Trichlorophenol [88-06-2]^	0.033	U	mg/kg dry	1	0.033	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2,4-Dichlorophenol [120-83-2]^	0.030	U	mg/kg dry	1	0.030	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2,4-Dimethylphenol [105-67-9]^	0.053	U	mg/kg dry	1	0.053	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2,4-Dinitrophenol [51-28-5]^	0.053	U	mg/kg dry	1	0.053	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2,4-Dinitrotoluene [121-14-2]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2,6-Dinitrotoluene [606-20-2]^	0.038	U	mg/kg dry	1	0.038	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Chloronaphthalene [91-58-7]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Chlorophenol [95-57-8]^	0.031	U	mg/kg dry	1	0.031	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Methylnaphthalene [91-57-6]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Methylphenol [95-48-7]^	0.031	U	mg/kg dry	1	0.031	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
2-Nitrophenol [88-75-5]^	0.038	U	mg/kg dry	1	0.038	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5]^	0.032	U	mg/kg dry	1	0.032	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
3,3'-Dichlorobenzidine [91-94-1]^	0.12	U	mg/kg dry	1	0.12	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
4-Bromophenyl-phenylether [101-55-3]^	0.033	U	mg/kg dry	1	0.033	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
4-Chloro-3-methylphenol [59-50-7]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
4-Chloroaniline [106-47-8]^	0.11	U	mg/kg dry	1	0.11	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
4-Chlorophenyl-phenylether [7005-72-3]^	0.032	U	mg/kg dry	1	0.032	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
4-Nitrophenol [100-02-7]^	0.038	U	mg/kg dry	1	0.038	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Acenaphthene [83-32-9]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Acenaphthylene [208-96-8]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Anthracene [120-12-7]^	0.047	U	mg/kg dry	1	0.047	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzo(a)anthracene [56-55-3]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzo(a)pyrene [50-32-8]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzo(b)fluoranthene [205-99-2]^	0.022	U	mg/kg dry	1	0.022	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	

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ANALYTICAL RESULTS

Description: SB-20	**Lab Sample ID:** CZ02203-05	**Received:** 03/04/16 14:40
Matrix: Soil	**Sampled:** 03/04/16 09:35	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** Adam Cox	**% Solids:** 80.87

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2]^	0.058	U	mg/kg dry	1	0.058	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzo(k)fluoranthene [207-08-9]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzoic acid [65-85-0]^	0.19	U	mg/kg dry	1	0.19	2.1	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Benzyl alcohol [100-51-6]^	0.028	U	mg/kg dry	1	0.028	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Bis(2-chloroethoxy)methane [111-91-1]^	0.031	U	mg/kg dry	1	0.031	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Bis(2-chloroethyl)ether [111-44-4]^	0.053	U	mg/kg dry	1	0.053	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Bis(2-chloroisopropyl)ether [108-60-1]^	0.030	U	mg/kg dry	1	0.030	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7]^	0.043	U	mg/kg dry	1	0.043	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Butylbenzylphthalate [85-68-7]^	0.049	U	mg/kg dry	1	0.049	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Chrysene [218-01-9]^	0.037	U	mg/kg dry	1	0.037	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Dibenzo(a,h)anthracene [53-70-3]^	0.063	U	mg/kg dry	1	0.063	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Dibenzofuran [132-64-9]^	0.033	U	mg/kg dry	1	0.033	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Diethylphthalate [84-66-2]^	0.035	U	mg/kg dry	1	0.035	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Dimethylphthalate [131-11-3]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Di-n-butylphthalate [84-74-2]^	0.051	U	mg/kg dry	1	0.051	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Di-n-octylphthalate [117-84-0]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
DPH (as Azobenzene) [103-33-3]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Fluoranthene [206-44-0]^	0.045	U	mg/kg dry	1	0.045	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Fluorene [86-73-7]^	0.036	U	mg/kg dry	1	0.036	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Hexachlorobenzene [118-74-1]^	0.032	U	mg/kg dry	1	0.032	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Hexachlorobutadiene [87-68-3]^	0.032	U	mg/kg dry	1	0.032	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Hexachlorocyclopentadiene [77-47-4]^	0.048	U	mg/kg dry	1	0.048	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Hexachloroethane [67-72-1]^	0.026	U	mg/kg dry	1	0.026	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.058	U	mg/kg dry	1	0.058	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Isophorone [78-59-1]^	0.037	U	mg/kg dry	1	0.037	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Nitrobenzene [98-95-3]^	0.032	U	mg/kg dry	1	0.032	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
N-Nitrosodimethylamine [62-75-9]^	0.026	U	mg/kg dry	1	0.026	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
N-Nitroso-di-n-propylamine [621-64-7]^	0.10	U	mg/kg dry	1	0.10	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	0.067	U	mg/kg dry	1	0.067	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Pentachlorophenol [87-86-5]^	0.041	U	mg/kg dry	1	0.041	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Phenanthrene [85-01-8]^	0.033	U	mg/kg dry	1	0.033	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Phenol [108-95-2]^	0.027	U	mg/kg dry	1	0.027	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	
Pyrene [129-00-0]^	0.047	U	mg/kg dry	1	0.047	0.41	6C07002	EPA 8270D	03/07/16 17:49	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.8*	*1*	*4.12*	*92 %*	*28-130*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*2.06*	*83 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	
2-Fluorophenol	*3.1*	*1*	*4.12*	*75 %*	*49-126*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*2.06*	*80 %*	*50-117*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	
Phenol-d5	*3.4*	*1*	*4.12*	*83 %*	*56-120*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*2.06*	*91 %*	*36-151*	*6C07002*	*EPA 8270D*	*03/07/16 17:49*	*DFM*	

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ANALYTICAL RESULTS

Description:	SB-20	**Lab Sample ID:**	CZ02203-05	**Received:**	03/04/16 14:40
Matrix:	Soil	**Sampled:**	03/04/16 09:35	**Work Order:**	CZ02203
Project:	DSCA	**Sampled By:**	Adam Cox	**% Solids:**	80.87

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds^	**0.0**	U	mg/kg dry	1			6C07002	EPA 8270D	03/07/16 17:49	DFM	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
% Solids	**81**		% by Weight	1	0.1	0.1	6C05001	% Solids	03/05/16 10:30	RAY	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ02203-06 | **Received:** 03/04/16 14:40
Matrix: Water | **Sampled:** 03/04/16 09:20 | **Work Order:** CZ02203
Project: DSCA | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,1-Dichloropropene [563-58-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	0.012	U	ug/L	1	0.012	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	0.30	U	ug/L	1	0.30	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,3-Dichlorobenzene [541-73-1]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,3-Dichloropropane [142-28-9]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
2,2-Dichloropropane [594-20-7]^	0.28	U	ug/L	1	0.28	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	QL-02
2-Chlorotoluene [95-49-8]^	0.081	U	ug/L	1	0.081	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
4-Chlorotoluene [106-43-4]^	0.068	U	ug/L	1	0.068	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
4-Isopropyltoluene [99-87-6]^	0.085	U	ug/L	1	0.085	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Acetone [67-64-1]^	1.2	U	ug/L	1	1.2	5.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Bromobenzene [108-86-1]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Dichlorodifluoromethane [75-71-8]^	0.20	U	ug/L	1	0.20	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Isopropyl Ether [108-20-3]^	0.054	U	ug/L	1	0.054	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Isopropylbenzene [98-82-8]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.16	U	ug/L	1	0.16	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Naphthalene [91-20-3]^	0.11	U	ug/L	1	0.11	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	

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ANALYTICAL RESULTS

Description: Trip Blank	**Lab Sample ID:** CZ02203-06	**Received:** 03/04/16 14:40
Matrix: Water	**Sampled:** 03/04/16 09:20	**Work Order:** CZ02203
Project: DSCA	**Sampled By:** ENCO	

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
n-Butyl Benzene [104-51-8]^	0.058	U	ug/L	1	0.058	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
n-Propyl Benzene [103-65-1]^	0.12	U	ug/L	1	0.12	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
sec-Butylbenzene [135-98-8]^	0.10	U	ug/L	1	0.10	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
tert-Butylbenzene [98-06-6]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	6C10010	EPA 8260B	03/10/16 12:43	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*53-136*	*6C10010*	*EPA 8260B*	*03/10/16 12:43*	*MSZ*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*67-129*	*6C10010*	*EPA 8260B*	*03/10/16 12:43*	*MSZ*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*59-134*	*6C10010*	*EPA 8260B*	*03/10/16 12:43*	*MSZ*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS

Blank (6C09027-BLK1) Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00016	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00028	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00064	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00041	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0014	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Blank (6C09027-BLK1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00032	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00018	U	0.0010	mg/kg wet							
Chloromethane	0.00021	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00017	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Isopropyl Ether	0.00018	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
Methylene Chloride	0.00073	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00027	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00013	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00095	U	0.0010	mg/kg wet							
Styrene	0.00098	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00017	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00024	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00032	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Blank (6C09027-BLK1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl acetate	0.00047	U	0.0050	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0030	mg/kg wet							
4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*87*	*50-127*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*52-128*			
Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*57-124*			

LCS (6C09027-BS1) Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200		106	78-130			
1,1,2,2-Tetrachloroethane	0.019		0.0010	mg/kg wet	0.0200		97	71-128			
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200		98	68-125			
1,1-Dichloroethane	0.021		0.0010	mg/kg wet	0.0200		106	74-137			
1,1-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		104	64-133			
1,1-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200		108	72-130			
1,2,3-Trichlorobenzene	0.019		0.0010	mg/kg wet	0.0200		97	49-155			
1,2,3-Trichloropropane	0.019		0.0010	mg/kg wet	0.0200		94	66-134			
1,2,4-Trichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		100	58-150			
1,2,4-Trimethylbenzene	0.022		0.0010	mg/kg wet	0.0200		109	69-133			
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200		102	67-133			
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		101	76-124			
1,2-Dichloroethane	0.021		0.0010	mg/kg wet	0.0200		103	74-146			
1,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		104	77-126			
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200		102	75-143			
1,3-Dichlorobenzene	0.021		0.0010	mg/kg wet	0.0200		104	74-129			
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200		97	69-131			
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200		99	79-126			
2,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200		105	73-143			
2-Butanone	0.028		0.0050	mg/kg wet	0.0200		139	32-163			
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		102	77-130			
2-Hexanone	0.020		0.0050	mg/kg wet	0.0200		98	62-174			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

LCS (6C09027-BS1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200		100	79-129			
4-Isopropyltoluene	0.022		0.0010	mg/kg wet	0.0200		108	72-139			
4-Methyl-2-pentanone	0.019		0.0050	mg/kg wet	0.0200		97	73-184			
Acetone	0.014		0.0050	mg/kg wet	0.0200		72	10-170			
Benzene	0.021		0.0010	mg/kg wet	0.0200		104	79-129			
Bromobenzene	0.020		0.0010	mg/kg wet	0.0200		100	70-133			
Bromochloromethane	0.021		0.0010	mg/kg wet	0.0200		104	82-123			
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200		105	80-130			
Bromoform	0.019		0.0010	mg/kg wet	0.0200		95	64-135			
Bromomethane	0.023		0.0010	mg/kg wet	0.0200		114	28-182			
Carbon Tetrachloride	0.022		0.0010	mg/kg wet	0.0200		108	74-133			
Chlorobenzene	0.021		0.0010	mg/kg wet	0.0200		104	79-121			
Chloroethane	0.021		0.0010	mg/kg wet	0.0200		103	23-195			
Chloroform	0.020		0.0010	mg/kg wet	0.0200		100	79-130			
Chloromethane	0.021		0.0010	mg/kg wet	0.0200		106	19-195			
cis-1,2-Dichloroethene	0.019		0.0010	mg/kg wet	0.0200		96	76-117			
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200		107	78-131			
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200		106	67-133			
Dichlorodifluoromethane	0.027		0.0010	mg/kg wet	0.0200		136	10-177			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200		94	75-126			
Isopropyl Ether	0.020		0.0010	mg/kg wet	0.0200		101	57-120			
Isopropylbenzene	0.021		0.0010	mg/kg wet	0.0200		107	79-148			
Methylene Chloride	0.021		0.0020	mg/kg wet	0.0200		106	41-170			
Methyl-tert-Butyl Ether	0.019		0.0010	mg/kg wet	0.0200		97	21-133			
Naphthalene	0.018		0.0010	mg/kg wet	0.0200		89	44-161			
n-Butyl Benzene	0.022		0.0010	mg/kg wet	0.0200		108	60-144			
n-Propyl Benzene	0.022		0.0010	mg/kg wet	0.0200		111	73-129			
sec-Butylbenzene	0.022		0.0010	mg/kg wet	0.0200		108	70-136			
Styrene	0.020		0.0010	mg/kg wet	0.0200		102	71-139			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

LCS (6C09027-BS1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200		104	67-141			
Tetrachloroethene	0.021		0.0010	mg/kg wet	0.0200		103	72-156			
Toluene	0.020		0.0010	mg/kg wet	0.0200		101	77-120			
trans-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		106	71-138			
trans-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200		111	75-145			
Trichloroethene	0.021		0.0010	mg/kg wet	0.0200		103	78-118			
Trichlorofluoromethane	0.022		0.0010	mg/kg wet	0.0200		110	55-164			
Vinyl acetate	0.024		0.0050	mg/kg wet	0.0200		122	49-200			
Vinyl chloride	0.020		0.0010	mg/kg wet	0.0200		102	32-147			
Xylenes (Total)	0.061		0.0030	mg/kg wet	0.0600		102	79-124			
4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*89*	*50-127*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*52-128*			
Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*57-124*			

Matrix Spike (6C09027-MS1) Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:15

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200	0.00025 U	103	78-130			
1,1,2,2-Tetrachloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	98	71-128			
1,1,2-Trichloroethane	0.019		0.0010	mg/kg wet	0.0200	0.00025 U	97	68-125			
1,1-Dichloroethane	0.021		0.0010	mg/kg wet	0.0200	0.00025 U	104	74-137			
1,1-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200	0.00030 U	105	64-133			
1,1-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200	0.00016 U	109	72-130			
1,2,3-Trichlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00028 U	95	49-155			
1,2,3-Trichloropropane	0.020		0.0010	mg/kg wet	0.0200	0.00064 U	98	66-134			
1,2,4-Trichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00027 U	99	58-150			
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	107	69-133			
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200	0.00046 U	98	67-133			
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00027 U	100	76-124			
1,2-Dichloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00041 U	102	74-146			
1,2-Dichloropropane	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	99	77-126			
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	100	75-143			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Matrix Spike (6C09027-MS1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:15

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	102	74-129			
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00029 U	95	69-131			
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	98	79-126			
2,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200	0.00023 U	105	73-143			
2-Butanone	0.026		0.0050	mg/kg wet	0.0200	0.00078 U	130	32-163			
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	100	77-130			
2-Hexanone	0.019		0.0050	mg/kg wet	0.0200	0.00075 U	95	62-174			
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	102	79-129			
4-Isopropyltoluene	0.022		0.0010	mg/kg wet	0.0200	0.00016 U	108	72-139			
4-Methyl-2-pentanone	0.019		0.0050	mg/kg wet	0.0200	0.00057 U	94	73-184			
Acetone	0.016		0.0050	mg/kg wet	0.0200	0.0014 U	80	10-170			
Benzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	99	79-129			
Bromobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	98	70-133			
Bromochloromethane	0.020		0.0010	mg/kg wet	0.0200	0.00041 U	101	82-123			
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200	0.00024 U	105	80-130			
Bromoform	0.018		0.0010	mg/kg wet	0.0200	0.00045 U	90	64-135			
Bromomethane	0.021		0.0010	mg/kg wet	0.0200	0.00032 U	107	28-182			
Carbon Tetrachloride	0.021		0.0010	mg/kg wet	0.0200	0.00022 U	104	74-133			
Chlorobenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	103	79-121			
Chloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	99	23-195			
Chloroform	0.019		0.0010	mg/kg wet	0.0200	0.00018 U	97	79-130			
Chloromethane	0.023		0.0010	mg/kg wet	0.0200	0.00021 U	117	19-195			
cis-1,2-Dichloroethene	0.018		0.0010	mg/kg wet	0.0200	0.00023 U	92	76-117			
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	105	78-131			
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200	0.00035 U	105	67-133			
Dichlorodifluoromethane	0.029		0.0010	mg/kg wet	0.0200	0.00045 U	143	10-177			
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	94	75-126			
Isopropyl Ether	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	99	57-120			
Isopropylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00015 U	106	79-148			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Matrix Spike (6C09027-MS1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:15

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene Chloride	0.020		0.0020	mg/kg wet	0.0200	0.00073 U	101	41-170			
Methyl-tert-Butyl Ether	0.019		0.0010	mg/kg wet	0.0200	0.00030 U	95	21-133			
Naphthalene	0.019		0.0010	mg/kg wet	0.0200	0.00027 U	96	44-161			
n-Butyl Benzene	0.022		0.0010	mg/kg wet	0.0200	0.00013 U	109	60-144			
n-Propyl Benzene	0.022		0.0010	mg/kg wet	0.0200	0.00018 U	110	73-129			
sec-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00095 U	107	70-136			
Styrene	0.020		0.0010	mg/kg wet	0.0200	0.00098 U	102	71-139			
tert-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	104	67-141			
Tetrachloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00028 U	108	72-156			
Toluene	0.020		0.0010	mg/kg wet	0.0200	0.00024 U	100	77-120			
trans-1,2-Dichloroethene	0.022		0.0010	mg/kg wet	0.0200	0.00037 U	110	71-138			
trans-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200	0.00039 U	110	75-145			
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200	0.00032 U	100	78-118			
Trichlorofluoromethane	0.022		0.0010	mg/kg wet	0.0200	0.00026 U	110	55-164			
Vinyl acetate	0.024		0.0050	mg/kg wet	0.0200	0.00047 U	119	49-200			
Vinyl chloride	0.021		0.0010	mg/kg wet	0.0200	0.00024 U	106	32-147			
Xylenes (Total)	0.060		0.0030	mg/kg wet	0.0600	0.00056 U	100	79-124			
4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*50-127*			
Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*52-128*			
Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*57-124*			

Matrix Spike Dup (6C09027-MSD1) Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:44

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.021		0.0010	mg/kg wet	0.0200	0.00025 U	103	78-130	0.4	26	
1,1,2,2-Tetrachloroethane	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	96	71-128	3	26	
1,1,2-Trichloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	98	68-125	0.6	22	
1,1-Dichloroethane	0.021		0.0010	mg/kg wet	0.0200	0.00025 U	104	74-137	0.1	25	
1,1-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200	0.00030 U	105	64-133	0.1	23	
1,1-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200	0.00016 U	108	72-130	0.8	26	
1,2,3-Trichlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00028 U	97	49-155	1	21	
1,2,3-Trichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00064 U	94	66-134	3	28	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Matrix Spike Dup (6C09027-MSD1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:44

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.019		0.0010	mg/kg wet	0.0200	0.00027 U	96	58-150	3	19	
1,2,4-Trimethylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	106	69-133	0.3	22	
1,2-Dibromoethane	0.020		0.0010	mg/kg wet	0.0200	0.00046 U	99	67-133	0.3	23	
1,2-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00027 U	100	76-124	0.4	19	
1,2-Dichloroethane	0.021		0.0010	mg/kg wet	0.0200	0.00041 U	105	74-146	3	22	
1,2-Dichloropropane	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	100	77-126	0.7	25	
1,3,5-Trimethylbenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	100	75-143	0.1	23	
1,3-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	102	74-129	0.3	21	
1,3-Dichloropropane	0.019		0.0010	mg/kg wet	0.0200	0.00029 U	96	69-131	1	24	
1,4-Dichlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00020 U	98	79-126	0.4	21	
2,2-Dichloropropane	0.021		0.0010	mg/kg wet	0.0200	0.00023 U	104	73-143	1	26	
2-Butanone	0.026		0.0050	mg/kg wet	0.0200	0.00078 U	131	32-163	1	29	
2-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	101	77-130	0.3	23	
2-Hexanone	0.020		0.0050	mg/kg wet	0.0200	0.00075 U	101	62-174	6	30	
4-Chlorotoluene	0.020		0.0010	mg/kg wet	0.0200	0.00026 U	101	79-129	0.6	23	
4-Isopropyltoluene	0.021		0.0010	mg/kg wet	0.0200	0.00016 U	107	72-139	0.7	20	
4-Methyl-2-pentanone	0.020		0.0050	mg/kg wet	0.0200	0.00057 U	98	73-184	4	32	
Acetone	0.014		0.0050	mg/kg wet	0.0200	0.0014 U	72	10-170	11	48	
Benzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	99	79-129	0.3	23	
Bromobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00022 U	98	70-133	0.7	25	
Bromochloromethane	0.020		0.0010	mg/kg wet	0.0200	0.00041 U	102	82-123	1	29	
Bromodichloromethane	0.021		0.0010	mg/kg wet	0.0200	0.00024 U	103	80-130	2	25	
Bromoform	0.019		0.0010	mg/kg wet	0.0200	0.00045 U	93	64-135	3	30	
Bromomethane	0.022		0.0010	mg/kg wet	0.0200	0.00032 U	111	28-182	4	30	
Carbon Tetrachloride	0.021		0.0010	mg/kg wet	0.0200	0.00022 U	106	74-133	2	25	
Chlorobenzene	0.020		0.0010	mg/kg wet	0.0200	0.00017 U	102	79-121	1	25	
Chloroethane	0.020		0.0010	mg/kg wet	0.0200	0.00025 U	100	23-195	1	27	
Chloroform	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	98	79-130	0.7	24	
Chloromethane	0.024		0.0010	mg/kg wet	0.0200	0.00021 U	118	19-195	1	25	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C09027 - EPA 5035_MS - Continued

Matrix Spike Dup (6C09027-MSD1) Continued Prepared: 03/09/2016 11:55 Analyzed: 03/09/2016 13:44

Source: CZ03555-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.019		0.0010	mg/kg wet	0.0200	0.00023 U	97	76-117	5	24	
cis-1,3-Dichloropropene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	106	78-131	1	27	
Dibromochloromethane	0.021		0.0010	mg/kg wet	0.0200	0.00035 U	104	67-133	1	23	
Dichlorodifluoromethane	0.029		0.0010	mg/kg wet	0.0200	0.00045 U	147	10-177	3	26	
Ethylbenzene	0.019		0.0010	mg/kg wet	0.0200	0.00020 U	94	75-126	0	25	
Isopropyl Ether	0.020		0.0010	mg/kg wet	0.0200	0.00018 U	101	57-120	2	11	
Isopropylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00015 U	106	79-148	0.09	23	
Methylene Chloride	0.021		0.0020	mg/kg wet	0.0200	0.00073 U	104	41-170	3	33	
Methyl-tert-Butyl Ether	0.019		0.0010	mg/kg wet	0.0200	0.00030 U	97	21-133	2	28	
Naphthalene	0.019		0.0010	mg/kg wet	0.0200	0.00027 U	96	44-161	0.3	21	
n-Butyl Benzene	0.021		0.0010	mg/kg wet	0.0200	0.00013 U	105	60-144	3	22	
n-Propyl Benzene	0.022		0.0010	mg/kg wet	0.0200	0.00018 U	110	73-129	0.09	23	
sec-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00095 U	106	70-136	2	20	
Styrene	0.021		0.0010	mg/kg wet	0.0200	0.00098 U	103	71-139	1	23	
tert-Butylbenzene	0.021		0.0010	mg/kg wet	0.0200	0.00017 U	103	67-141	0.2	28	
Tetrachloroethene	0.020		0.0010	mg/kg wet	0.0200	0.00028 U	102	72-156	5	24	
Toluene	0.020		0.0010	mg/kg wet	0.0200	0.00024 U	99	77-120	2	23	
trans-1,2-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200	0.00037 U	106	71-138	4	24	
trans-1,3-Dichloropropene	0.022		0.0010	mg/kg wet	0.0200	0.00039 U	110	75-145	0.6	25	
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200	0.00032 U	101	78-118	0.8	24	
Trichlorofluoromethane	0.022		0.0010	mg/kg wet	0.0200	0.00026 U	111	55-164	0.6	24	
Vinyl acetate	0.024		0.0050	mg/kg wet	0.0200	0.00047 U	121	49-200	2	17	
Vinyl chloride	0.021		0.0010	mg/kg wet	0.0200	0.00024 U	107	32-147	0.8	26	
Xylenes (Total)	0.059		0.0030	mg/kg wet	0.0600	0.00056 U	99	79-124	0.7	23	
4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*50-127*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*52-128*			
Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*57-124*			

Batch 6C10010 - EPA 5030B_MS

Blank (6C10010-BLK1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Blank (6C10010-BLK1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Blank (6C10010-BLK1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*53-136*			
Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*59-134*			

LCS (6C10010-BS1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0		98	72-143			
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0		101	59-133			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0		99	67-118			
1,1-Dichloroethane	22		1.0	ug/L	20.0		109	79-141			
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
1,1-Dichloropropene	20		1.0	ug/L	20.0		102	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0		101	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0		96	58-140			
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0		100	59-122			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0		101	74-123			
1,2-Dibromoethane	20		1.0	ug/L	20.0		98	66-123			
1,2-Dichlorobenzene	21		1.0	ug/L	20.0		104	76-116			
1,2-Dichloroethane	19		1.0	ug/L	20.0		96	72-151			
1,2-Dichloropropane	20		1.0	ug/L	20.0		101	78-125			
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0		98	77-129			
1,3-Dichlorobenzene	21		1.0	ug/L	20.0		104	76-119			
1,3-Dichloropropane	20		1.0	ug/L	20.0		100	60-129			
1,4-Dichlorobenzene	20		1.0	ug/L	20.0		101	76-122			
2,2-Dichloropropane	19		1.0	ug/L	20.0		95	21-167			
2-Butanone	28		5.0	ug/L	20.0		140	36-135			QL-02
2-Chlorotoluene	20		1.0	ug/L	20.0		102	73-135			
2-Hexanone	19		5.0	ug/L	20.0		97	36-191			
4-Chlorotoluene	19		1.0	ug/L	20.0		96	76-134			
4-Isopropyltoluene	20		1.0	ug/L	20.0		101	75-127			
4-Methyl-2-pentanone	19		5.0	ug/L	20.0		95	56-166			
Acetone	19		5.0	ug/L	20.0		96	10-158			
Benzene	20		1.0	ug/L	20.0		101	81-134			
Bromobenzene	19		1.0	ug/L	20.0		95	72-115			
Bromochloromethane	21		1.0	ug/L	20.0		105	74-128			
Bromodichloromethane	18		1.0	ug/L	20.0		90	72-129			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

LCS (6C10010-BS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 10:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	20		1.0	ug/L	20.0		98	73-119			
Bromomethane	17		1.0	ug/L	20.0		87	38-189			
Carbon tetrachloride	19		1.0	ug/L	20.0		96	68-142			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Chloroethane	23		1.0	ug/L	20.0		113	45-213			
Chloroform	21		1.0	ug/L	20.0		103	78-138			
Chloromethane	20		1.0	ug/L	20.0		100	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0		92	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0		98	63-125			
Dibromochloromethane	20		1.0	ug/L	20.0		101	73-117			
Dichlorodifluoromethane	24		1.0	ug/L	20.0		122	25-161			
Ethylbenzene	19		1.0	ug/L	20.0		97	68-124			
Isopropyl Ether	20		1.0	ug/L	20.0		102	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0		99	81-136			
Methylene chloride	21		1.0	ug/L	20.0		103	68-128			
Methyl-tert-Butyl Ether	20		1.0	ug/L	20.0		98	10-127			
Naphthalene	23		1.0	ug/L	20.0		114	50-127			
n-Butyl Benzene	20		1.0	ug/L	20.0		98	68-126			
n-Propyl Benzene	20		1.0	ug/L	20.0		102	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0		102	75-122			
Styrene	20		1.0	ug/L	20.0		98	78-120			
tert-Butylbenzene	20		1.0	ug/L	20.0		100	70-137			
Tetrachloroethene	21		1.0	ug/L	20.0		106	40-181			
Toluene	20		1.0	ug/L	20.0		99	71-118			
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0		109	75-139			
trans-1,3-Dichloropropene	21		1.0	ug/L	20.0		107	62-152			
Trichloroethene	20		1.0	ug/L	20.0		99	74-119			
Trichlorofluoromethane	20		1.0	ug/L	20.0		101	68-183			
Vinyl acetate	23		5.0	ug/L	20.0		114	10-198			
Vinyl chloride	20		1.0	ug/L	20.0		98	49-150			
Xylenes (Total)	61		3.0	ug/L	60.0		102	77-121			
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*59-134*			

Matrix Spike (6C10010-MS1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	20		1.0	ug/L	20.0	0.12 U	99	72-143			
1,1,2,2-Tetrachloroethane	21		1.0	ug/L	20.0	0.28 U	104	59-133			
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	102	67-118			
1,1-Dichloroethane	22		1.0	ug/L	20.0	0.13 U	108	79-141			
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	102	75-133			
1,1-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	101	70-129			
1,2,3-Trichlorobenzene	20		1.0	ug/L	20.0	0.76	96	62-117			
1,2,3-Trichloropropane	19		1.0	ug/L	20.0	0.23 U	96	58-140			
1,2,4-Trichlorobenzene	20		1.0	ug/L	20.0	0.59	97	59-122			
1,2,4-Trimethylbenzene	20		1.0	ug/L	20.0	0.10 U	99	74-123			
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	97	66-123			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike (6C10010-MS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	101	76-116			
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	98	72-151			
1,2-Dichloropropane	20		1.0	ug/L	20.0	0.10 U	98	78-125			
1,3,5-Trimethylbenzene	19		1.0	ug/L	20.0	0.30 U	97	77-129			
1,3-Dichlorobenzene	21		1.0	ug/L	20.0	0.15 U	104	76-119			
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	101	60-129			
1,4-Dichlorobenzene	20		1.0	ug/L	20.0	0.19 U	100	76-122			
2,2-Dichloropropane	19		1.0	ug/L	20.0	0.28 U	93	21-167			
2-Butanone	28		5.0	ug/L	20.0	1.3 U	140	36-135			QM-07
2-Chlorotoluene	20		1.0	ug/L	20.0	0.081 U	102	73-135			
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	102	36-191			
4-Chlorotoluene	19		1.0	ug/L	20.0	0.068 U	97	76-134			
4-Isopropyltoluene	20		1.0	ug/L	20.0	0.085 U	102	75-127			
4-Methyl-2-pentanone	20		5.0	ug/L	20.0	1.1 U	98	56-166			
Acetone	22		5.0	ug/L	20.0	1.2 U	112	10-158			
Benzene	20		1.0	ug/L	20.0	0.15 U	101	81-134			
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	96	72-115			
Bromochloromethane	21		1.0	ug/L	20.0	0.48 U	104	74-128			
Bromodichloromethane	18		1.0	ug/L	20.0	0.17 U	89	72-129			
Bromoform	20		1.0	ug/L	20.0	0.22 U	99	73-119			
Bromomethane	18		1.0	ug/L	20.0	0.14 U	92	38-189			
Carbon tetrachloride	19		1.0	ug/L	20.0	0.17 U	96	68-142			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	83-117			
Chloroethane	23		1.0	ug/L	20.0	0.23 U	113	45-213			
Chloroform	21		1.0	ug/L	20.0	0.18 U	104	78-138			
Chloromethane	19		1.0	ug/L	20.0	0.13 U	96	56-171			
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0	0.15 U	91	69-120			
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.20 U	99	63-125			
Dibromochloromethane	21		1.0	ug/L	20.0	0.17 U	104	73-117			
Dichlorodifluoromethane	24		1.0	ug/L	20.0	0.20 U	119	25-161			
Ethylbenzene	20		1.0	ug/L	20.0	0.13 U	99	68-124			
Isopropyl Ether	20		1.0	ug/L	20.0	0.054 U	102	45-117			
Isopropylbenzene	20		1.0	ug/L	20.0	0.14 U	99	81-136			
Methylene chloride	20		1.0	ug/L	20.0	0.23 U	102	68-128			
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0	0.16 U	96	10-127			
Naphthalene	23		1.0	ug/L	20.0	0.55	112	50-127			
n-Butyl Benzene	20		1.0	ug/L	20.0	0.67	96	68-126			
n-Propyl Benzene	21		1.0	ug/L	20.0	0.12 U	103	76-125			
sec-Butylbenzene	20		1.0	ug/L	20.0	0.44	99	75-122			
Styrene	20		1.0	ug/L	20.0	0.11 U	99	73-120			
tert-Butylbenzene	19		1.0	ug/L	20.0	0.17 U	97	70-137			
Tetrachloroethene	22		1.0	ug/L	20.0	0.17 U	108	40-181			
Toluene	20		1.0	ug/L	20.0	0.14 U	100	71-118			
trans-1,2-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-139			
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0	0.15 U	109	62-152			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119			
Trichlorofluoromethane	21		1.0	ug/L	20.0	0.24 U	104	68-183			
Vinyl acetate	23		5.0	ug/L	20.0	0.95 U	114	10-198			
Vinyl chloride	20		1.0	ug/L	20.0	0.32 U	102	49-150			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike (6C10010-MS1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:15

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	62		3.0	ug/L	60.0	0.45 U	103	77-121			
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*53-136*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

Matrix Spike Dup (6C10010-MSD1) Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:44

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	19		1.0	ug/L	20.0	0.12 U	93	72-143	7	18	
1,1,2,2-Tetrachloroethane	20		1.0	ug/L	20.0	0.28 U	102	59-133	2	16	
1,1,2-Trichloroethane	20		1.0	ug/L	20.0	0.14 U	100	67-118	2	18	
1,1-Dichloroethane	21		1.0	ug/L	20.0	0.13 U	105	79-141	2	19	
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	98	75-133	4	20	
1,1-Dichloropropene	20		1.0	ug/L	20.0	0.15 U	98	70-129	3	17	
1,2,3-Trichlorobenzene	22		1.0	ug/L	20.0	0.76	104	62-117	8	17	
1,2,3-Trichloropropane	18		1.0	ug/L	20.0	0.23 U	92	58-140	4	17	
1,2,4-Trichlorobenzene	22		1.0	ug/L	20.0	0.59	107	59-122	10	17	
1,2,4-Trimethylbenzene	21		1.0	ug/L	20.0	0.10 U	105	74-123	6	18	
1,2-Dibromoethane	19		1.0	ug/L	20.0	0.66 U	97	66-123	0.8	15	
1,2-Dichlorobenzene	22		1.0	ug/L	20.0	0.19 U	112	76-116	10	16	
1,2-Dichloroethane	20		1.0	ug/L	20.0	0.21 U	100	72-151	2	16	
1,2-Dichloropropane	20		1.0	ug/L	20.0	0.10 U	101	78-125	2	19	
1,3,5-Trimethylbenzene	20		1.0	ug/L	20.0	0.30 U	101	77-129	5	16	
1,3-Dichlorobenzene	22		1.0	ug/L	20.0	0.15 U	110	76-119	6	17	
1,3-Dichloropropane	20		1.0	ug/L	20.0	0.16 U	99	60-129	3	16	
1,4-Dichlorobenzene	21		1.0	ug/L	20.0	0.19 U	104	76-122	4	16	
2,2-Dichloropropane	17		1.0	ug/L	20.0	0.28 U	87	21-167	7	20	
2-Butanone	29		5.0	ug/L	20.0	1.3 U	143	36-135	2	19	QM-07
2-Chlorotoluene	21		1.0	ug/L	20.0	0.081 U	106	73-135	4	16	
2-Hexanone	20		5.0	ug/L	20.0	0.88 U	101	36-191	1	17	
4-Chlorotoluene	21		1.0	ug/L	20.0	0.068 U	104	76-134	7	16	
4-Isopropyltoluene	21		1.0	ug/L	20.0	0.085 U	106	75-127	4	17	
4-Methyl-2-pentanone	20		5.0	ug/L	20.0	1.1 U	98	56-166	0.2	19	
Acetone	23		5.0	ug/L	20.0	1.2 U	116	10-158	3	78	
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134	0.8	17	
Bromobenzene	19		1.0	ug/L	20.0	0.16 U	95	72-115	0.9	17	
Bromochloromethane	21		1.0	ug/L	20.0	0.48 U	104	74-128	0.5	18	
Bromodichloromethane	18		1.0	ug/L	20.0	0.17 U	88	72-129	1	16	
Bromoform	20		1.0	ug/L	20.0	0.22 U	100	73-119	0.7	44	
Bromomethane	19		1.0	ug/L	20.0	0.14 U	94	38-189	2	27	
Carbon tetrachloride	18		1.0	ug/L	20.0	0.17 U	92	68-142	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117	2	16	
Chloroethane	22		1.0	ug/L	20.0	0.23 U	110	45-213	2	26	
Chloroform	20		1.0	ug/L	20.0	0.18 U	100	78-138	4	17	
Chloromethane	19		1.0	ug/L	20.0	0.13 U	93	56-171	3	28	
cis-1,2-Dichloroethene	18		1.0	ug/L	20.0	0.15 U	88	69-120	3	18	
cis-1,3-Dichloropropene	20		1.0	ug/L	20.0	0.20 U	100	63-125	0.9	17	
Dibromochloromethane	20		1.0	ug/L	20.0	0.17 U	102	73-117	2	16	
Dichlorodifluoromethane	22		1.0	ug/L	20.0	0.20 U	110	25-161	8	48	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C10010 - EPA 5030B_MS - Continued

Matrix Spike Dup (6C10010-MSD1) Continued Prepared: 03/10/2016 08:14 Analyzed: 03/10/2016 11:44

Source: CZ03555-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylbenzene	19		1.0	ug/L	20.0	0.13 U	96	68-124	3	16	
Isopropyl Ether	20		1.0	ug/L	20.0	0.054 U	100	45-117	2	20	
Isopropylbenzene	19		1.0	ug/L	20.0	0.14 U	95	81-136	5	16	
Methylene chloride	20		1.0	ug/L	20.0	0.23 U	99	68-128	3	17	
Methyl-tert-Butyl Ether	19		1.0	ug/L	20.0	0.16 U	95	10-127	1	21	
Naphthalene	25		1.0	ug/L	20.0	0.55	121	50-127	8	19	
n-Butyl Benzene	21		1.0	ug/L	20.0	0.67	101	68-126	6	15	
n-Propyl Benzene	20		1.0	ug/L	20.0	0.12 U	101	76-125	2	16	
sec-Butylbenzene	22		1.0	ug/L	20.0	0.44	105	75-122	6	17	
Styrene	20		1.0	ug/L	20.0	0.11 U	98	73-120	1	23	
tert-Butylbenzene	21		1.0	ug/L	20.0	0.17 U	104	70-137	6	22	
Tetrachloroethene	21		1.0	ug/L	20.0	0.17 U	106	40-181	1	26	
Toluene	20		1.0	ug/L	20.0	0.14 U	98	71-118	2	17	
trans-1,2-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-139	7	19	
trans-1,3-Dichloropropene	22		1.0	ug/L	20.0	0.15 U	108	62-152	0.9	16	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119	0.9	22	
Trichlorofluoromethane	19		1.0	ug/L	20.0	0.24 U	97	68-183	6	22	
Vinyl acetate	23		5.0	ug/L	20.0	0.95 U	113	10-198	1	21	
Vinyl chloride	19		1.0	ug/L	20.0	0.32 U	96	49-150	6	27	
Xylenes (Total)	59		3.0	ug/L	60.0	0.45 U	99	77-121	4	16	
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*97*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS

Blank (6C07002-BLK1) Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 12:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

Blank (6C07002-BLK1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 12:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							
Benzyl alcohol	0.023	U	0.33	mg/kg wet							
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

Blank (6C07002-BLK1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 12:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
DPH (as Azobenzene)	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							
2,4,6-Tribromophenol	*2.9*			*mg/kg wet*	*3.33*		*86*	*28-130*			
2-Fluorobiphenyl	*1.3*			*mg/kg wet*	*1.67*		*80*	*56-120*			
2-Fluorophenol	*2.3*			*mg/kg wet*	*3.33*		*70*	*49-126*			
Nitrobenzene-d5	*1.1*			*mg/kg wet*	*1.67*		*69*	*50-117*			
Phenol-d5	*2.6*			*mg/kg wet*	*3.33*		*79*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg wet*	*1.67*		*95*	*36-151*			

LCS (6C07002-BS1) Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.6		0.33	mg/kg wet	1.67		94	61-121			
2,4-Dichlorophenol	1.6		0.33	mg/kg wet	1.67		95	62-126			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

LCS (6C07002-BS1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dimethylphenol	1.5		0.33	mg/kg wet	1.67		90	39-123			
2,4-Dinitrophenol	1.5		0.33	mg/kg wet	1.67		92	10-192			
2,4-Dinitrotoluene	1.7		0.33	mg/kg wet	1.67		102	63-127			
2,6-Dinitrotoluene	1.7		0.33	mg/kg wet	1.67		101	56-118			
2-Chloronaphthalene	1.6		0.33	mg/kg wet	1.67		94	48-95			
2-Chlorophenol	1.5		0.33	mg/kg wet	1.67		90	56-120			
2-Methyl-4,6-dinitrophenol	1.8		0.33	mg/kg wet	1.67		106	31-164			
2-Methylnaphthalene	1.6		0.33	mg/kg wet	1.67		94	61-128			
2-Methylphenol	1.6		0.33	mg/kg wet	1.67		93	57-123			
2-Nitrophenol	1.5		0.33	mg/kg wet	1.67		88	50-123			
3 & 4-Methylphenol	1.6		0.33	mg/kg wet	1.67		97	63-131			
3,3'-Dichlorobenzidine	1.2		0.33	mg/kg wet	1.67		71	63-96			
4-Bromophenyl-phenylether	1.5		0.33	mg/kg wet	1.67		93	52-104			
4-Chloro-3-methylphenol	1.6		0.33	mg/kg wet	1.67		95	59-121			
4-Chloroaniline	1.0		0.33	mg/kg wet	1.67		60	33-86			
4-Chlorophenyl-phenylether	1.6		0.33	mg/kg wet	1.67		96	62-125			
4-Nitrophenol	1.7		0.33	mg/kg wet	1.67		99	73-147			
Acenaphthene	1.6		0.33	mg/kg wet	1.67		96	64-131			
Acenaphthylene	1.6		0.33	mg/kg wet	1.67		95	65-141			
Anthracene	1.6		0.33	mg/kg wet	1.67		95	63-146			
Benzo(a)anthracene	1.5		0.33	mg/kg wet	1.67		93	58-137			
Benzo(a)pyrene	1.7		0.33	mg/kg wet	1.67		105	60-137			
Benzo(b)fluoranthene	1.7		0.33	mg/kg wet	1.67		103	44-173			
Benzo(g,h,i)perylene	1.5		0.33	mg/kg wet	1.67		93	42-154			
Benzo(k)fluoranthene	1.8		0.33	mg/kg wet	1.67		111	58-144			
Benzoic acid	1.1	J	1.7	mg/kg wet	1.67		65	10-200			
Benzyl alcohol	1.5		0.33	mg/kg wet	1.67		92	19-183			
Bis(2-chloroethoxy)methane	1.5		0.33	mg/kg wet	1.67		87	57-134			
Bis(2-chloroethyl)ether	1.5		0.33	mg/kg wet	1.67		91	44-114			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

LCS (6C07002-BS1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroisopropyl)ether	1.4		0.33	mg/kg wet	1.67		86	48-118			
Bis(2-ethylhexyl)phthalate	1.6		0.33	mg/kg wet	1.67		98	42-147			
Butylbenzylphthalate	1.5		0.33	mg/kg wet	1.67		92	10-193			
Chrysene	1.6		0.33	mg/kg wet	1.67		93	63-143			
Dibenzo(a,h)anthracene	1.6		0.33	mg/kg wet	1.67		97	50-150			
Dibenzofuran	1.7		0.33	mg/kg wet	1.67		99	65-122			
Diethylphthalate	1.7		0.33	mg/kg wet	1.67		99	65-128			
Dimethylphthalate	1.6		0.33	mg/kg wet	1.67		99	63-124			
Di-n-butylphthalate	1.6		0.33	mg/kg wet	1.67		93	63-133			
Di-n-octylphthalate	1.6		0.33	mg/kg wet	1.67		97	54-142			
Fluoranthene	1.5		0.33	mg/kg wet	1.67		93	67-152			
Fluorene	1.6		0.33	mg/kg wet	1.67		98	68-135			
Hexachlorobenzene	1.5		0.33	mg/kg wet	1.67		92	60-120			
Hexachlorobutadiene	1.4		0.33	mg/kg wet	1.67		87	55-136			
Hexachlorocyclopentadiene	1.4		0.33	mg/kg wet	1.67		87	24-132			
Hexachloroethane	1.3		0.33	mg/kg wet	1.67		78	47-117			
Indeno(1,2,3-cd)pyrene	1.6		0.33	mg/kg wet	1.67		95	47-153			
Isophorone	1.4		0.33	mg/kg wet	1.67		86	61-135			
Nitrobenzene	1.4		0.33	mg/kg wet	1.67		85	49-122			
N-Nitrosodimethylamine	1.2		0.33	mg/kg wet	1.67		73	36-117			
N-Nitroso-di-n-propylamine	1.6		0.33	mg/kg wet	1.67		94	55-135			
Pentachlorophenol	1.6		0.33	mg/kg wet	1.67		97	45-117			
Phenanthrene	1.6		0.33	mg/kg wet	1.67		93	62-137			
Phenol	1.6		0.33	mg/kg wet	1.67		94	54-121			
Pyrene	1.5		0.33	mg/kg wet	1.67		92	65-146			
2,4,6-Tribromophenol	*3.1*			*mg/kg wet*	*3.33*		*94*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg wet*	*1.67*		*93*	*56-120*			
2-Fluorophenol	*2.7*			*mg/kg wet*	*3.33*		*81*	*49-126*			
Nitrobenzene-d5	*1.3*			*mg/kg wet*	*1.67*		*81*	*50-117*			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

LCS (6C07002-BS1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenol-d5	*3.0*			*mg/kg wet*	*3.33*		*90*	*56-120*			
Terphenyl-d14	*1.6*			*mg/kg wet*	*1.67*		*94*	*36-151*			

Matrix Spike (6C07002-MS1) Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 14:10

Source: CZ02960-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.7		0.36	mg/kg dry	1.82	0.029 U	94	61-121			
2,4-Dichlorophenol	1.6		0.36	mg/kg dry	1.82	0.026 U	89	62-126			
2,4-Dimethylphenol	1.6		0.36	mg/kg dry	1.82	0.047 U	86	39-123			
2,4-Dinitrophenol	1.5		0.36	mg/kg dry	1.82	0.047 U	85	10-192			
2,4-Dinitrotoluene	1.7		0.36	mg/kg dry	1.82	0.031 U	93	63-127			
2,6-Dinitrotoluene	1.7		0.36	mg/kg dry	1.82	0.034 U	94	56-118			
2-Chloronaphthalene	1.7		0.36	mg/kg dry	1.82	0.031 U	91	49-95			
2-Chlorophenol	1.6		0.36	mg/kg dry	1.82	0.027 U	86	56-120			
2-Methyl-4,6-dinitrophenol	1.8		0.36	mg/kg dry	1.82	0.036 U	98	31-164			
2-Methylnaphthalene	1.6		0.36	mg/kg dry	1.82	0.031 U	88	61-128			
2-Methylphenol	1.6		0.36	mg/kg dry	1.82	0.027 U	88	57-123			
2-Nitrophenol	1.5		0.36	mg/kg dry	1.82	0.034 U	85	50-123			
3 & 4-Methylphenol	1.6		0.36	mg/kg dry	1.82	0.028 U	89	63-131			
3,3'-Dichlorobenzidine	1.3		0.36	mg/kg dry	1.82	0.11 U	71	63-96			
4-Bromophenyl-phenylether	1.7		0.36	mg/kg dry	1.82	0.029 U	96	52-104			
4-Chloro-3-methylphenol	1.6		0.36	mg/kg dry	1.82	0.036 U	86	59-121			
4-Chloroaniline	0.97		0.36	mg/kg dry	1.82	0.10 U	53	33-86			
4-Chlorophenyl-phenylether	1.7		0.36	mg/kg dry	1.82	0.028 U	92	62-125			
4-Nitrophenol	1.5		0.36	mg/kg dry	1.82	0.034 U	84	73-147			
Acenaphthene	1.7		0.36	mg/kg dry	1.82	0.031 U	92	64-131			
Acenaphthylene	1.6		0.36	mg/kg dry	1.82	0.031 U	89	65-141			
Anthracene	1.6		0.36	mg/kg dry	1.82	0.041 U	89	63-146			
Benzo(a)anthracene	1.7		0.36	mg/kg dry	1.82	0.031 U	92	58-137			
Benzo(a)pyrene	1.7		0.36	mg/kg dry	1.82	0.036 U	95	60-137			
Benzo(b)fluoranthene	1.7		0.36	mg/kg dry	1.82	0.046	91	44-173			
Benzo(g,h,i)perylene	1.6		0.36	mg/kg dry	1.82	0.051 U	90	42-154			
Benzo(k)fluoranthene	1.8		0.36	mg/kg dry	1.82	0.036 U	98	58-144			
Benzoic acid	1.4	J	1.9	mg/kg dry	1.82	0.16 U	79	10-200			
Benzyl alcohol	1.6		0.36	mg/kg dry	1.82	0.025 U	88	19-183			
Bis(2-chloroethoxy)methane	1.6		0.36	mg/kg dry	1.82	0.027 U	86	57-134			
Bis(2-chloroethyl)ether	1.7		0.36	mg/kg dry	1.82	0.047 U	95	44-114			
Bis(2-chloroisopropyl)ether	1.5		0.36	mg/kg dry	1.82	0.026 U	85	48-118			
Bis(2-ethylhexyl)phthalate	1.8		0.36	mg/kg dry	1.82	0.038 U	98	42-147			
Butylbenzylphthalate	1.6		0.36	mg/kg dry	1.82	0.044 U	90	10-193			
Chrysene	1.7		0.36	mg/kg dry	1.82	0.033 U	91	63-143			
Dibenzo(a,h)anthracene	1.8		0.36	mg/kg dry	1.82	0.056 U	96	50-150			
Dibenzofuran	1.7		0.36	mg/kg dry	1.82	0.029 U	94	65-122			
Diethylphthalate	1.7		0.36	mg/kg dry	1.82	0.031 U	93	65-128			
Dimethylphthalate	1.7		0.36	mg/kg dry	1.82	0.036 U	95	63-124			
Di-n-butylphthalate	1.7		0.36	mg/kg dry	1.82	0.045 U	93	63-133			
Di-n-octylphthalate	1.6		0.36	mg/kg dry	1.82	0.036 U	85	54-142			
Fluoranthene	1.7		0.36	mg/kg dry	1.82	0.042	89	67-152			

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QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

Matrix Spike (6C07002-MS1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 14:10

Source: CZ02960-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluorene	1.6		0.36	mg/kg dry	1.82	0.032 U	90	68-135			
Hexachlorobenzene	1.7		0.36	mg/kg dry	1.82	0.028 U	95	60-120			
Hexachlorobutadiene	1.6		0.36	mg/kg dry	1.82	0.028 U	89	55-136			
Hexachlorocyclopentadiene	1.6		0.36	mg/kg dry	1.82	0.043 U	88	24-132			
Hexachloroethane	1.5		0.36	mg/kg dry	1.82	0.023 U	81	47-117			
Indeno(1,2,3-cd)pyrene	1.7		0.36	mg/kg dry	1.82	0.051 U	93	47-153			
Isophorone	1.5		0.36	mg/kg dry	1.82	0.033 U	85	61-135			
Nitrobenzene	1.5		0.36	mg/kg dry	1.82	0.028 U	83	49-122			
N-Nitrosodimethylamine	1.3		0.36	mg/kg dry	1.82	0.023 U	73	36-117			
N-Nitroso-di-n-propylamine	1.6		0.36	mg/kg dry	1.82	0.088 U	90	55-135			
Pentachlorophenol	1.8		0.36	mg/kg dry	1.82	0.036 U	99	45-117			
Phenanthrene	1.7		0.36	mg/kg dry	1.82	0.029 U	94	62-137			
Phenol	1.6		0.36	mg/kg dry	1.82	0.024 U	88	54-121			
Pyrene	1.7		0.36	mg/kg dry	1.82	0.041 U	91	65-146			
2,4,6-Tribromophenol	*3.2*			*mg/kg dry*	*3.64*		*87*	*28-130*			
2-Fluorobiphenyl	*1.7*			*mg/kg dry*	*1.82*		*92*	*56-120*			
2-Fluorophenol	*2.9*			*mg/kg dry*	*3.64*		*79*	*49-126*			
Nitrobenzene-d5	*1.5*			*mg/kg dry*	*1.82*		*82*	*50-117*			
Phenol-d5	*3.0*			*mg/kg dry*	*3.64*		*83*	*56-120*			
Terphenyl-d14	*1.7*			*mg/kg dry*	*1.82*		*92*	*36-151*			

Matrix Spike Dup (6C07002-MSD1) Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 14:41

Source: CZ02960-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,6-Trichlorophenol	1.7		0.36	mg/kg dry	1.82	0.029 U	91	61-121	4	11	
2,4-Dichlorophenol	1.6		0.36	mg/kg dry	1.82	0.026 U	90	62-126	1	10	
2,4-Dimethylphenol	1.5		0.36	mg/kg dry	1.82	0.047 U	85	39-123	1	11	
2,4-Dinitrophenol	1.7		0.36	mg/kg dry	1.82	0.047 U	96	10-192	12	22	
2,4-Dinitrotoluene	1.8		0.36	mg/kg dry	1.82	0.031 U	98	63-127	5	10	
2,6-Dinitrotoluene	1.7		0.36	mg/kg dry	1.82	0.034 U	95	56-118	1	10	
2-Chloronaphthalene	1.6		0.36	mg/kg dry	1.82	0.031 U	88	49-95	3	11	
2-Chlorophenol	1.5		0.36	mg/kg dry	1.82	0.027 U	84	56-120	3	11	
2-Methyl-4,6-dinitrophenol	1.9		0.36	mg/kg dry	1.82	0.036 U	106	31-164	8	12	
2-Methylnaphthalene	1.6		0.36	mg/kg dry	1.82	0.031 U	89	61-128	0.5	20	
2-Methylphenol	1.6		0.36	mg/kg dry	1.82	0.027 U	89	57-123	1	18	
2-Nitrophenol	1.5		0.36	mg/kg dry	1.82	0.034 U	84	50-123	0.8	12	
3 & 4-Methylphenol	1.7		0.36	mg/kg dry	1.82	0.028 U	92	63-131	3	12	
3,3'-Dichlorobenzidine	1.2		0.36	mg/kg dry	1.82	0.11 U	65	63-96	9	10	
4-Bromophenyl-phenylether	1.6		0.36	mg/kg dry	1.82	0.029 U	89	52-104	7	10	
4-Chloro-3-methylphenol	1.7		0.36	mg/kg dry	1.82	0.036 U	95	59-121	10	10	
4-Chloroaniline	1.0		0.36	mg/kg dry	1.82	0.10 U	57	33-86	8	50	
4-Chlorophenyl-phenylether	1.6		0.36	mg/kg dry	1.82	0.028 U	89	62-125	3	10	
4-Nitrophenol	1.8		0.36	mg/kg dry	1.82	0.034 U	102	73-147	19	10	QM-11
Acenaphthene	1.7		0.36	mg/kg dry	1.82	0.031 U	92	64-131	0.2	19	
Acenaphthylene	1.6		0.36	mg/kg dry	1.82	0.031 U	89	65-141	0.7	21	
Anthracene	1.6		0.36	mg/kg dry	1.82	0.041 U	90	63-146	0.7	22	
Benzo(a)anthracene	1.7		0.36	mg/kg dry	1.82	0.031 U	92	58-137	0.1	50	
Benzo(a)pyrene	1.8		0.36	mg/kg dry	1.82	0.036 U	98	60-137	2	50	
Benzo(b)fluoranthene	1.8		0.36	mg/kg dry	1.82	0.046	98	44-173	7	50	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS - Continued

Matrix Spike Dup (6C07002-MSD1) Continued Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 14:41

Source: CZ02960-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(g,h,i)perylene	1.4		0.36	mg/kg dry	1.82	0.051 U	74	42-154	19	50	
Benzo(k)fluoranthene	1.9		0.36	mg/kg dry	1.82	0.036 U	103	58-144	5	50	
Benzoic acid	1.6	J	1.9	mg/kg dry	1.82	0.16 U	86	10-200	8	25	
Benzyl alcohol	1.6		0.36	mg/kg dry	1.82	0.025 U	88	19-183	0.3	18	
Bis(2-chloroethoxy)methane	1.5		0.36	mg/kg dry	1.82	0.027 U	82	57-134	4	12	
Bis(2-chloroethyl)ether	1.6		0.36	mg/kg dry	1.82	0.047 U	90	44-114	5	14	
Bis(2-chloroisopropyl)ether	1.5		0.36	mg/kg dry	1.82	0.026 U	81	48-118	4	14	
Bis(2-ethylhexyl)phthalate	1.7		0.36	mg/kg dry	1.82	0.038 U	95	42-147	3	10	
Butylbenzylphthalate	1.5		0.36	mg/kg dry	1.82	0.044 U	80	10-193	11	16	
Chrysene	1.7		0.36	mg/kg dry	1.82	0.033 U	92	63-143	1	50	
Dibenzo(a,h)anthracene	1.5		0.36	mg/kg dry	1.82	0.056 U	82	50-150	15	50	
Dibenzofuran	1.7		0.36	mg/kg dry	1.82	0.029 U	94	65-122	1	10	
Diethylphthalate	1.7		0.36	mg/kg dry	1.82	0.031 U	94	65-128	1	10	
Dimethylphthalate	1.7		0.36	mg/kg dry	1.82	0.036 U	93	63-124	3	10	
Di-n-butylphthalate	1.7		0.36	mg/kg dry	1.82	0.045 U	91	63-133	2	10	
Di-n-octylphthalate	1.5		0.36	mg/kg dry	1.82	0.036 U	82	54-142	4	10	
Fluoranthene	1.6		0.36	mg/kg dry	1.82	0.042	87	67-152	2	50	
Fluorene	1.7		0.36	mg/kg dry	1.82	0.032 U	93	68-135	3	20	
Hexachlorobenzene	1.6		0.36	mg/kg dry	1.82	0.028 U	87	60-120	9	10	
Hexachlorobutadiene	1.5		0.36	mg/kg dry	1.82	0.028 U	82	55-136	8	12	
Hexachlorocyclopentadiene	1.7		0.36	mg/kg dry	1.82	0.043 U	94	24-132	7	16	
Hexachloroethane	1.4		0.36	mg/kg dry	1.82	0.023 U	77	47-117	5	13	
Indeno(1,2,3-cd)pyrene	1.5		0.36	mg/kg dry	1.82	0.051 U	80	47-153	16	50	
Isophorone	1.5		0.36	mg/kg dry	1.82	0.033 U	80	61-135	6	10	
Nitrobenzene	1.5		0.36	mg/kg dry	1.82	0.028 U	81	49-122	3	11	
N-Nitrosodimethylamine	1.2		0.36	mg/kg dry	1.82	0.023 U	68	36-117	7	11	
N-Nitroso-di-n-propylamine	1.6		0.36	mg/kg dry	1.82	0.088 U	90	55-135	0	10	
Pentachlorophenol	1.9		0.36	mg/kg dry	1.82	0.036 U	104	45-117	5	10	
Phenanthrene	1.7		0.36	mg/kg dry	1.82	0.029 U	91	62-137	3	50	
Phenol	1.6		0.36	mg/kg dry	1.82	0.024 U	88	54-121	0.2	13	
Pyrene	1.6		0.36	mg/kg dry	1.82	0.041 U	88	65-146	4	50	
2,4,6-Tribromophenol	*3.3*			*mg/kg dry*	*3.64*		*90*	*28-130*			
2-Fluorobiphenyl	*1.6*			*mg/kg dry*	*1.82*		*86*	*56-120*			
2-Fluorophenol	*2.8*			*mg/kg dry*	*3.64*		*76*	*49-126*			
Nitrobenzene-d5	*1.5*			*mg/kg dry*	*1.82*		*80*	*50-117*			
Phenol-d5	*3.1*			*mg/kg dry*	*3.64*		*85*	*56-120*			
Terphenyl-d14	*1.5*			*mg/kg dry*	*1.82*		*84*	*36-151*			

Tentatively Identified Compounds by Semivolatile GCMS - Quality Control

Batch 6C07002 - EPA 3550C_MS

Blank (6C07002-BLK1) Prepared: 03/07/2016 07:30 Analyzed: 03/07/2016 12:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		mg/kg wet							

Classical Chemistry Parameters - Quality Control

Batch 6C05001 - % Solids

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Duplicate (6C05001-DUP1)

Prepared & Analyzed: 03/05/2016 10:30

Source: CZ02203-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	79		0.1	% by Weight		68			15	10	QM-12

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-12	Precision between duplicate samples was outside acceptance limits.
QS-06	Surrogate recovery exceeded acceptance criteria due to coelution. Matrix effect confirmed.

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ENCO

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name	URS - Charlotte (UR004)
Project Number	32-0027 Model Laundry
Address	SouthPark Towers, 6000 Fairview Road, Suite 200
Project Name/Desc	DSCA
City/ST/Zip	Charlotte, NC 28210
PO # / Billing Info	Vendor# 1198823/Subcontract# DSCA-010-304
Tel	(704) 522-0330
Fax	(704) 522-0330
Reporting Contact	Carlin Slusher
Sampler(s) Name, Affiliation (Print)	
Billing Contact	Accounts Payable
Sampler(s) Signature	
Site Location / Time Zone	

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder

CZ02203

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	%Solids,8270D,8270D Extended,8270D TICs	8260B,8260B Extended								Sample Comments
	SB-16	3/4/16	0945	Grab	SO	4	X	X								
	SB-17		1045		SO	4	X	X								
	SB-18		1025		SO	4	X	X								
	SB-19		0920		SO	4	X	X								
	SB-20		0935		SO	4	X	X								
	~~SO~~					~~4~~	~~X~~	~~X~~								
	Trip Blank				WA	2		X								

<-- Total # of Containers

Sample Kit Prepared By: JK	Date/Time: 2/25	Relinquished By: Adam Cox (AECOM)	Date/Time: 3/4/16 1440	Received By:	Date/Time: 3/4/16 1440
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C93 3.7°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments) **Preservation:** **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 18, 2015

Carlin Slusher
AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560

Project Location: Durham, NC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15L0359

Enclosed are results of analyses for samples received by the laboratory on December 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560
ATTN: Carlin Slusher

REPORT DATE: 12/18/2015

PURCHASE ORDER NUMBER: mike.ranck@urs.com

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0359

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SSV-4	15L0359-01	Sub Slab		EPA TO-15	
SSV-5	15L0359-02	Sub Slab		EPA TO-15	
SSV-3	15L0359-03	Sub Slab		EPA TO-15	
SSV-2	15L0359-04	Sub Slab		EPA TO-15	
SSV-1	15L0359-05	Sub Slab		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Surrogate recovery outside of control limits due to suspected sample matrix interference.

Analyte & Samples(s) Qualified:

4-Bromofluorobenzene (2)

15L0359-01RE1[SSV-4]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Propylbenzene

15L0359-01RE1[SSV-4], 15L0359-02RE1[SSV-5], 15L0359-03RE1[SSV-3], 15L0359-04RE1[SSV-2], 15L0359-05RE1[SSV-1], B137966-BLK1, B137966-BS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Johanna K. Harrington
Manager, Laboratory Reporting

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 12/4/2015
Field Sample #: SSV-4
Sample ID: 15L0359-01
Sample Matrix: Sub Slab
Sampled: 12/2/2015 09:19

Sample Description/Location:
Sub Description/Location:
Canister ID: 1699
Canister Size: 6 liter
Flow Controller ID: 4098
Sample Type: 30 min

Work Order: 15L0359
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	1.3	2.0	1.0	J	4.2	6.4	3.3	40	12/9/15 5:40	TPH
2-Butanone (MEK)	1.8	80	1.5	J	5.2	240	4.4	40	12/9/15 5:40	TPH
n-Butylbenzene	ND	5.8	1.3		ND	32	7.2	40	12/16/15 21:31	TPH
sec-Butylbenzene	2.9	4.6	1.6	J	16	25	8.6	40	12/16/15 21:31	TPH
tert-Butylbenzene	ND	4.6	1.7		ND	25	9.4	40	12/16/15 21:31	TPH
Chlorobenzene	110	2.0	0.69		520	9.2	3.2	40	12/9/15 5:40	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	12/9/15 5:40	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	12/9/15 5:40	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	12/9/15 5:40	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	12/9/15 5:40	TPH
cis-1,2-Dichloroethylene	1.1	2.0	0.76	J	4.4	7.9	3.0	40	12/9/15 5:40	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	12/9/15 5:40	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	12/9/15 5:40	TPH
Ethylbenzene	1.7	2.0	0.55	J	7.5	8.7	2.4	40	12/9/15 5:40	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	12/9/15 5:40	TPH
Isopropylbenzene (Cumene)	ND	5.1	1.6		ND	25	7.9	40	12/16/15 21:31	TPH
p-Isopropyltoluene (p-Cymene)	7.8	4.6	1.4		43	25	7.5	40	12/16/15 21:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	12/9/15 5:40	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	12/9/15 5:40	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	12/9/15 5:40	TPH
Propylbenzene	ND	5.1	1.8	V-05	ND	25	8.7	40	12/16/15 21:31	TPH
Tetrachloroethylene	61	2.0	0.57		410	14	3.9	40	12/9/15 5:40	TPH
Toluene	1.1	2.0	0.62	J	4.2	7.5	2.3	40	12/9/15 5:40	TPH
Trichloroethylene	2.2	2.0	0.59		12	11	3.2	40	12/9/15 5:40	TPH
1,2,4-Trimethylbenzene	370	2.0	0.49		1800	9.8	2.4	40	12/9/15 5:40	TPH
1,3,5-Trimethylbenzene	110	2.0	0.40		560	9.8	2.0	40	12/9/15 5:40	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	12/9/15 5:40	TPH
m&p-Xylene	18	4.0	1.0		76	17	4.4	40	12/9/15 5:40	TPH
o-Xylene	28	2.0	0.58		120	8.7	2.5	40	12/9/15 5:40	TPH

Surrogates	% Recovery		% REC Limits	
4-Bromofluorobenzene (1)	86.7		70-130	12/9/15 5:40
4-Bromofluorobenzene (2)	41.1*	S-03	70-130	12/16/15 21:31

Tentatively Identified Compounds - Estimated Values Reported

	ppbv Results	Retention Time			
2-Chlorotoluene	0.0		40	12/9/15 5:40	TPH
Diisopropyl ether	0.0		40	12/9/15 5:40	TPH

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 12/4/2015
Field Sample #: SSV-5
Sample ID: 15L0359-02
Sample Matrix: Sub Slab
Sampled: 12/2/2015 09:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1870
Canister Size: 6 liter
Flow Controller ID: 4183
Sample Type: 30 min

Work Order: 15L0359
Initial Vacuum(in Hg): -25.5
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -6.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	ND	0.20	0.10		ND	0.64	0.33	4	12/9/15 15:11	TPH
2-Butanone (MEK)	0.36	8.0	0.15	J	1.1	24	0.44	4	12/9/15 15:11	TPH
n-Butylbenzene	ND	0.58	0.13		ND	3.2	0.72	4	12/16/15 19:44	TPH
sec-Butylbenzene	ND	0.46	0.16		ND	2.5	0.86	4	12/16/15 19:44	TPH
tert-Butylbenzene	ND	0.46	0.17		ND	2.5	0.94	4	12/16/15 19:44	TPH
Chlorobenzene	ND	0.20	0.069		ND	0.92	0.32	4	12/9/15 15:11	TPH
1,2-Dichlorobenzene	ND	0.20	0.053		ND	1.2	0.32	4	12/9/15 15:11	TPH
1,4-Dichlorobenzene	ND	0.20	0.050		ND	1.2	0.30	4	12/9/15 15:11	TPH
1,1-Dichloroethane	ND	0.20	0.056		ND	0.81	0.23	4	12/9/15 15:11	TPH
1,1-Dichloroethylene	ND	0.20	0.049		ND	0.79	0.19	4	12/9/15 15:11	TPH
cis-1,2-Dichloroethylene	ND	0.20	0.076		ND	0.79	0.30	4	12/9/15 15:11	TPH
trans-1,2-Dichloroethylene	ND	0.20	0.053		ND	0.79	0.21	4	12/9/15 15:11	TPH
1,2-Dichloropropane	ND	0.20	0.069		ND	0.92	0.32	4	12/9/15 15:11	TPH
Ethylbenzene	0.13	0.20	0.055	J	0.57	0.87	0.24	4	12/9/15 15:11	TPH
2-Hexanone (MBK)	ND	0.20	0.051		ND	0.82	0.21	4	12/9/15 15:11	TPH
Isopropylbenzene (Cumene)	ND	0.51	0.16		ND	2.5	0.79	4	12/16/15 19:44	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.46	0.14		ND	2.5	0.75	4	12/16/15 19:44	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.062		ND	0.72	0.22	4	12/9/15 15:11	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.048		ND	0.82	0.20	4	12/9/15 15:11	TPH
Naphthalene	ND	0.20	0.11		ND	1.0	0.57	4	12/9/15 15:11	TPH
Propylbenzene	ND	0.51	0.18	V-05	ND	2.5	0.87	4	12/16/15 19:44	TPH
Tetrachloroethylene	1.1	0.20	0.057		7.3	1.4	0.39	4	12/9/15 15:11	TPH
Toluene	0.85	0.20	0.062		3.2	0.75	0.23	4	12/9/15 15:11	TPH
Trichloroethylene	0.19	0.20	0.059	J	1.0	1.1	0.32	4	12/9/15 15:11	TPH
1,2,4-Trimethylbenzene	0.74	0.20	0.049		3.6	0.98	0.24	4	12/9/15 15:11	TPH
1,3,5-Trimethylbenzene	0.15	0.20	0.040	J	0.75	0.98	0.20	4	12/9/15 15:11	TPH
Vinyl Chloride	ND	0.20	0.086		ND	0.51	0.22	4	12/9/15 15:11	TPH
m&p-Xylene	0.47	0.40	0.10		2.0	1.7	0.44	4	12/9/15 15:11	TPH
o-Xylene	0.17	0.20	0.058	J	0.73	0.87	0.25	4	12/9/15 15:11	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.6	70-130	12/9/15 15:11
4-Bromofluorobenzene (2)	88.9	70-130	12/16/15 19:44

Tentatively Identified Compounds - Estimated Values Reported

	ppbv Results	Retention Time			
2-Chlorotoluene	0.0		4	12/9/15 15:11	TPH
Diisopropyl ether	0.0		4	12/9/15 15:11	TPH

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 12/4/2015
Field Sample #: SSV-3
Sample ID: 15L0359-03
Sample Matrix: Sub Slab
Sampled: 12/2/2015 10:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1841
Canister Size: 6 liter
Flow Controller ID: 4172
Sample Type: 30 min

Work Order: 15L0359
Initial Vacuum(in Hg): -27.5
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	12/9/15 4:22	TPH
2-Butanone (MEK)	ND	80	1.5		ND	240	4.4	40	12/9/15 4:22	TPH
n-Butylbenzene	ND	5.8	1.3		ND	32	7.2	40	12/16/15 22:06	TPH
sec-Butylbenzene	7.5	4.6	1.6		41	25	8.6	40	12/16/15 22:06	TPH
tert-Butylbenzene	ND	4.6	1.7		ND	25	9.4	40	12/16/15 22:06	TPH
Chlorobenzene	12	2.0	0.69		57	9.2	3.2	40	12/9/15 4:22	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	12/9/15 4:22	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	12/9/15 4:22	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	12/9/15 4:22	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	12/9/15 4:22	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	12/9/15 4:22	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	12/9/15 4:22	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	12/9/15 4:22	TPH
Ethylbenzene	1.8	2.0	0.55	J	7.6	8.7	2.4	40	12/9/15 4:22	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	12/9/15 4:22	TPH
Isopropylbenzene (Cumene)	3.0	5.1	1.6	J	15	25	7.9	40	12/16/15 22:06	TPH
p-Isopropyltoluene (p-Cymene)	8.9	4.6	1.4		49	25	7.5	40	12/16/15 22:06	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	12/9/15 4:22	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	12/9/15 4:22	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	12/9/15 4:22	TPH
Propylbenzene	7.8	5.1	1.8	V-05	38	25	8.7	40	12/16/15 22:06	TPH
Tetrachloroethylene	3.5	2.0	0.57		24	14	3.9	40	12/9/15 4:22	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	12/9/15 4:22	TPH
Trichloroethylene	ND	2.0	0.59		ND	11	3.2	40	12/9/15 4:22	TPH
1,2,4-Trimethylbenzene	19	2.0	0.49		93	9.8	2.4	40	12/9/15 4:22	TPH
1,3,5-Trimethylbenzene	27	2.0	0.40		130	9.8	2.0	40	12/9/15 4:22	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	12/9/15 4:22	TPH
m&p-Xylene	3.0	4.0	1.0	J	13	17	4.4	40	12/9/15 4:22	TPH
o-Xylene	1.6	2.0	0.58	J	6.8	8.7	2.5	40	12/9/15 4:22	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.5	70-130	12/9/15 4:22
4-Bromofluorobenzene (2)	94.7	70-130	12/16/15 22:06

Tentatively Identified Compounds - Estimated Values Reported

	ppbv Results	Retention Time			
2-Chlorotoluene	0.0		40	12/9/15 4:22	TPH
Diisopropyl ether	0.0		40	12/9/15 4:22	TPH

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 12/4/2015
Field Sample #: SSV-2
Sample ID: 15L0359-04
Sample Matrix: Sub Slab
Sampled: 12/2/2015 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1756
Canister Size: 6 liter
Flow Controller ID: 4173
Sample Type: 30 min

Work Order: 15L0359
Initial Vacuum(in Hg): -24.5
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.26		ND	1.6	0.83	10	12/9/15 14:31	TPH
2-Butanone (MEK)	0.85	20	0.37	J	2.5	59	1.1	10	12/9/15 14:31	TPH
n-Butylbenzene	ND	1.4	0.33		ND	7.9	1.8	10	12/16/15 20:56	TPH
sec-Butylbenzene	3.8	1.1	0.39		21	6.3	2.1	10	12/16/15 20:56	TPH
tert-Butylbenzene	ND	1.1	0.43		ND	6.3	2.4	10	12/16/15 20:56	TPH
Chlorobenzene	0.33	0.50	0.17	J	1.5	2.3	0.80	10	12/9/15 14:31	TPH
1,2-Dichlorobenzene	ND	0.50	0.13		ND	3.0	0.80	10	12/9/15 14:31	TPH
1,4-Dichlorobenzene	ND	0.50	0.13		ND	3.0	0.76	10	12/9/15 14:31	TPH
1,1-Dichloroethane	ND	0.50	0.14		ND	2.0	0.57	10	12/9/15 14:31	TPH
1,1-Dichloroethylene	ND	0.50	0.12		ND	2.0	0.48	10	12/9/15 14:31	TPH
cis-1,2-Dichloroethylene	ND	0.50	0.19		ND	2.0	0.75	10	12/9/15 14:31	TPH
trans-1,2-Dichloroethylene	ND	0.50	0.13		ND	2.0	0.52	10	12/9/15 14:31	TPH
1,2-Dichloropropane	ND	0.50	0.17		ND	2.3	0.80	10	12/9/15 14:31	TPH
Ethylbenzene	0.48	0.50	0.14	J	2.1	2.2	0.60	10	12/9/15 14:31	TPH
2-Hexanone (MBK)	ND	0.50	0.13		ND	2.0	0.52	10	12/9/15 14:31	TPH
Isopropylbenzene (Cumene)	1.3	1.3	0.40		6.5	6.2	2.0	10	12/16/15 20:56	TPH
p-Isopropyltoluene (p-Cymene)	7.3	1.1	0.34		40	6.3	1.9	10	12/16/15 20:56	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.15		ND	1.8	0.56	10	12/9/15 14:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.12		ND	2.0	0.49	10	12/9/15 14:31	TPH
Naphthalene	4.7	0.50	0.27		25	2.6	1.4	10	12/9/15 14:31	TPH
Propylbenzene	2.9	1.3	0.44	V-05	14	6.2	2.2	10	12/16/15 20:56	TPH
Tetrachloroethylene	6.0	0.50	0.14		41	3.4	0.96	10	12/9/15 14:31	TPH
Toluene	0.24	0.50	0.16	J	0.90	1.9	0.58	10	12/9/15 14:31	TPH
Trichloroethylene	ND	0.50	0.15		ND	2.7	0.80	10	12/9/15 14:31	TPH
1,2,4-Trimethylbenzene	85	0.50	0.12		420	2.5	0.60	10	12/9/15 14:31	TPH
1,3,5-Trimethylbenzene	37	0.50	0.10		180	2.5	0.49	10	12/9/15 14:31	TPH
Vinyl Chloride	ND	0.50	0.21		ND	1.3	0.55	10	12/9/15 14:31	TPH
m&p-Xylene	3.1	1.0	0.25		13	4.3	1.1	10	12/9/15 14:31	TPH
o-Xylene	2.9	0.50	0.14		13	2.2	0.63	10	12/9/15 14:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.1	70-130	12/9/15 14:31
4-Bromofluorobenzene (2)	86.2	70-130	12/16/15 20:56

Tentatively Identified Compounds - Estimated Values Reported

	ppbv Results	Retention Time			
2-Chlorotoluene	0.0		10	12/9/15 14:31	TPH
Diisopropyl ether	0.0		10	12/9/15 14:31	TPH

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ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 12/4/2015
Field Sample #: SSV-1
Sample ID: 15L0359-05
Sample Matrix: Sub Slab
Sampled: 12/2/2015 13:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1617
Canister Size: 6 liter
Flow Controller ID: 4281
Sample Type: 30 min

Work Order: 15L0359
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	0.88	0.20	0.10		2.8	0.64	0.33	4	12/9/15 13:52	TPH
2-Butanone (MEK)	0.48	8.0	0.15	J	1.4	24	0.44	4	12/9/15 13:52	TPH
n-Butylbenzene	ND	0.58	0.13		ND	3.2	0.72	4	12/16/15 20:21	TPH
sec-Butylbenzene	0.82	0.46	0.16		4.5	2.5	0.86	4	12/16/15 20:21	TPH
tert-Butylbenzene	ND	0.46	0.17		ND	2.5	0.94	4	12/16/15 20:21	TPH
Chlorobenzene	0.30	0.20	0.069		1.4	0.92	0.32	4	12/9/15 13:52	TPH
1,2-Dichlorobenzene	ND	0.20	0.053		ND	1.2	0.32	4	12/9/15 13:52	TPH
1,4-Dichlorobenzene	ND	0.20	0.050		ND	1.2	0.30	4	12/9/15 13:52	TPH
1,1-Dichloroethane	ND	0.20	0.056		ND	0.81	0.23	4	12/9/15 13:52	TPH
1,1-Dichloroethylene	ND	0.20	0.049		ND	0.79	0.19	4	12/9/15 13:52	TPH
cis-1,2-Dichloroethylene	ND	0.20	0.076		ND	0.79	0.30	4	12/9/15 13:52	TPH
trans-1,2-Dichloroethylene	ND	0.20	0.053		ND	0.79	0.21	4	12/9/15 13:52	TPH
1,2-Dichloropropane	ND	0.20	0.069		ND	0.92	0.32	4	12/9/15 13:52	TPH
Ethylbenzene	0.21	0.20	0.055		0.90	0.87	0.24	4	12/9/15 13:52	TPH
2-Hexanone (MBK)	ND	0.20	0.051		ND	0.82	0.21	4	12/9/15 13:52	TPH
Isopropylbenzene (Cumene)	ND	0.51	0.16		ND	2.5	0.79	4	12/16/15 20:21	TPH
p-Isopropyltoluene (p-Cymene)	1.5	0.46	0.14		8.1	2.5	0.75	4	12/16/15 20:21	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.062		ND	0.72	0.22	4	12/9/15 13:52	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.048		ND	0.82	0.20	4	12/9/15 13:52	TPH
Naphthalene	ND	0.20	0.11		ND	1.0	0.57	4	12/9/15 13:52	TPH
Propylbenzene	0.68	0.51	0.18	V-05	3.3	2.5	0.87	4	12/16/15 20:21	TPH
Tetrachloroethylene	4.4	0.20	0.057		30	1.4	0.39	4	12/9/15 13:52	TPH
Toluene	0.43	0.20	0.062		1.6	0.75	0.23	4	12/9/15 13:52	TPH
Trichloroethylene	ND	0.20	0.059		ND	1.1	0.32	4	12/9/15 13:52	TPH
1,2,4-Trimethylbenzene	65	0.20	0.049		320	0.98	0.24	4	12/9/15 13:52	TPH
1,3,5-Trimethylbenzene	21	0.20	0.040		100	0.98	0.20	4	12/9/15 13:52	TPH
Vinyl Chloride	ND	0.20	0.086		ND	0.51	0.22	4	12/9/15 13:52	TPH
m&p-Xylene	0.76	0.40	0.10		3.3	1.7	0.44	4	12/9/15 13:52	TPH
o-Xylene	0.46	0.20	0.058		2.0	0.87	0.25	4	12/9/15 13:52	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.8	70-130	12/9/15 13:52
4-Bromofluorobenzene (2)	87.4	70-130	12/16/15 20:21

Tentatively Identified Compounds - Estimated Values Reported

	ppbv Results	Retention Time			
2-Chlorotoluene	0.0		4	12/9/15 13:52	TPH
Diisopropyl ether	0.0		4	12/9/15 13:52	TPH

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15L0359-01 [SSV-4]	B137965	1.5	1	N/A	1000	400	15	12/08/15
15L0359-02 [SSV-5]	B137965	1.5	1	N/A	1000	400	150	12/08/15
15L0359-03 [SSV-3]	B137965	1.5	1	N/A	1000	400	15	12/08/15
15L0359-04 [SSV-2]	B137965	1.5	1	N/A	1000	400	60	12/08/15
15L0359-05 [SSV-1]	B137965	1.5	1	N/A	1000	400	150	12/08/15

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15L0359-01RE1 [SSV-4]	B137966	1.5	1	N/A	1000	400	15	12/16/15
15L0359-02RE1 [SSV-5]	B137966	1.5	1	N/A	1000	400	150	12/16/15
15L0359-03RE1 [SSV-3]	B137966	1.5	1	N/A	1000	400	15	12/16/15
15L0359-04RE1 [SSV-2]	B137966	1.5	1	N/A	1000	400	60	12/16/15
15L0359-05RE1 [SSV-1]	B137966	1.5	1	N/A	1000	400	150	12/16/15

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B137965 - TO-15 Prep											
Blank (B137965-BLK1)					Prepared & Analyzed: 12/08/15						
Benzene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Chlorobenzene	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
Ethylbenzene	ND	0.035									
2-Hexanone (MBK)	ND	0.035									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Tetrachloroethylene	ND	0.035									
Toluene	ND	0.035									
Trichloroethylene	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.70*				*8.00*		*96.3*	*70-130*			
LCS (B137965-BS1)					Prepared & Analyzed: 12/08/15						
Benzene	4.93				5.00		98.5	70-130			
2-Butanone (MEK)	4.36				5.00		87.2	70-130			
Chlorobenzene	4.30				5.00		86.0	70-130			
1,2-Dichlorobenzene	5.07				5.00		101	70-130			
1,4-Dichlorobenzene	4.86				5.00		97.2	70-130			
1,1-Dichloroethane	4.61				5.00		92.2	70-130			
1,1-Dichloroethylene	5.07				5.00		101	70-130			
cis-1,2-Dichloroethylene	4.47				5.00		89.4	70-130			
trans-1,2-Dichloroethylene	4.50				5.00		90.0	70-130			
1,2-Dichloropropane	4.64				5.00		92.7	70-130			
Ethylbenzene	5.07				5.00		101	70-130			
2-Hexanone (MBK)	5.04				5.00		101	70-130			
Methyl tert-Butyl Ether (MTBE)	5.02				5.00		100	70-130			
4-Methyl-2-pentanone (MIBK)	5.43				5.00		109	70-130			
Naphthalene	6.16				5.00		123	70-130			
Tetrachloroethylene	4.21				5.00		84.1	70-130			
Toluene	4.62				5.00		92.4	70-130			
Trichloroethylene	4.88				5.00		97.6	70-130			
1,2,4-Trimethylbenzene	5.59				5.00		112	70-130			
1,3,5-Trimethylbenzene	5.44				5.00		109	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B137965 - TO-15 Prep											
LCS (B137965-BS1)					Prepared & Analyzed: 12/08/15						
Vinyl Chloride	4.92				5.00		98.3	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.40				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.72*				*8.00*		*96.4*	*70-130*			
Batch B137966 - TO-15 Prep											
Blank (B137966-BLK1)					Prepared & Analyzed: 12/16/15						
n-Butylbenzene	ND	0.10									
sec-Butylbenzene	ND	0.080									
tert-Butylbenzene	ND	0.080									
Isopropylbenzene (Cumene)	ND	0.089									
p-Isopropyltoluene (p-Cymene)	ND	0.080									
Propylbenzene	ND	0.089									V-05
LCS (B137966-BS1)					Prepared & Analyzed: 12/16/15						
n-Butylbenzene	1.14				1.14		100	70-130			
sec-Butylbenzene	1.09				1.14		95.9	70-130			
tert-Butylbenzene	1.12				1.14		97.9	70-130			
Isopropylbenzene (Cumene)	1.20				1.27		94.2	70-130			
p-Isopropyltoluene (p-Cymene)	1.09				1.14		95.7	70-130			
Propylbenzene	1.14				1.27		89.8	70-130			V-05

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ANALYST

TPH	Thomas P. Hnitecki
LAW	Lisa A. Worthington
JDL	Joseph D. Lawlor

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	AIHA,FL,NJ,NY,VA,ME
2-Butanone (MEK)	AIHA,FL,NJ,NY,VA,ME
Chlorobenzene	AIHA,FL,NJ,NY,VA,ME
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,VA,ME
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,VA,ME
1,1-Dichloroethane	AIHA,FL,NJ,NY,VA,ME
1,1-Dichloroethylene	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
1,2-Dichloropropane	AIHA,FL,NJ,NY,VA,ME
Ethylbenzene	AIHA,FL,NJ,NY,VA,ME
Isopropylbenzene (Cumene)	AIHA,NJ,NY,ME
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,VA,ME
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME
Naphthalene	NY,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Toluene	AIHA,FL,NJ,NY,VA,ME
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME
m&p-Xylene	AIHA,FL,NJ,NY,VA,ME
o-Xylene	AIHA,FL,NJ,NY,VA,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

DC320027, Model Laundry

http://www.contestlabs.com Doc #378 Rev 0 5/8/15

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR) 15L0359

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: URS Corp.
Address: 1600 Perimeter Park
Phone: 919-461-1341
Project Name: DSCA DC320027, Model
Project Location: Durham, NC
Project Number:
Project Manager: Caulin Slusher
Con-Test Bid:
Invoice Recipient: Caulin Slusher
Sampled By: Caulin Slusher

Requested Turnaround Time: 7-Day ☐ 10-Day ☒ Other:

Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☒ EXCEL ☒ Other: EDDs
Enhanced Data Package Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15 LL **				" Hg				
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☑ mL/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	SSV-4	12/2/15 0842	12/2/15 0919	37	200	SS	6L	X				-29.5	-4	-4.3	BC1699	4098
02	SSV-5	0915	0943	28	200	SS	6L	X				-25.5	-3	-6.8	BC1870	4183
03	SSV-3	1000	1053	53	200	SS	6L	X				-27.5	-3	-5.9	BC1841	4172
04	SSV-2	1035	1100	25	200	SS	6L	X				-24.5	-3	-8.4	BC1756	4173
05	SSV-1	1231	1304	33	200	SS	6L	X				-30	-3	-3.4	BC1617	4281

Comments:
** Reporting list of VOC analytes will be provided to the lab by 12/14/15 - waiting on soil results.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
[signature]	12/4/15 0800
Received by: (signature) [signature]	Date/Time: 12/4/15 0800
Relinquished by: (signature) [signature]	Date/Time: 12/4/15 1600
Received by: (signature) [signature]	Date/Time: 12/7/15 1209
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; CT; Other:

Special Requirements: ☐ MA MCP Required; ☐ CT RCP Required; ☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

FedEx ® Tracking

775122597538

Ship date:
Fri 12/04/2015

Raleigh, NC US

Delivered
Signed for by: KMCGEE

Actual delivery:
Mon 12/07/2015 12:09 pm

EAST LONGMEADOW, MA US

3 Piece shipment

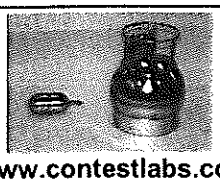
Travel History

Date/Time	Activity	Location
12/07/2015 - Monday		
12:09 pm	Delivered	East Longmeadow, MA
5:10 am	On FedEx vehicle for delivery	CHICOPEE, MA
5:07 am	At local FedEx facility	CHICOPEE, MA
12/06/2015 - Sunday		
11:44 pm	Departed FedEx location	WILLINGTON, CT
7:03 pm	Arrived at FedEx location	WILLINGTON, CT
12/04/2015 - Friday		
10:14 pm	Left FedEx origin facility	DURHAM, NC
8:46 pm	Arrived at FedEx location	DURHAM, NC
7:57 pm	Picked up	DURHAM, NC
5:30 pm	In FedEx possession Tendered at FedEx location	RALEIGH, NC
12:21 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	775122597538	**Service**	FedEx Ground
Reference	80	**Master tracking number**	775122597538
Weight	15 lbs / 6.8 kgs	**Total pieces**	3
Total shipment weight	45 lbs / 20.41 kgs	**Packaging**	Package

© FedEx 1995-2015



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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: URS Corp **RECEIVED BY:** ODL **DATE:** 12/7/15

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) Are there any samples "On Hold"? Yes No Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? _____

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		6	6L
Tedlar Bags			
TO-17 Tubes			
Regulators		6	30 min
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs			
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media: 1142

Unused Regulators: 4182

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: Summa: 1699 1756 1870 1617 1841 Reg: 4098 4173 4183 4281 4172

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	~~T~~ F	Valve was open on SSV-2
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Who notified of False statements? **Date/Time:**
Log-In Technician Initials: JDL **Date/Time:** 12/7/15 1209

Doc #278 Rev. 5 October 2014

con-test® ANALYTICAL LABORATORY
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December 29, 2015

Jenine Abbassi
AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560

Project Location: DC32-0027 Model Laundry
Client Job Number:
Project Number: 60476695.10005
Laboratory Work Order Number: 15L0576

Enclosed are results of analyses for samples received by the laboratory on December 10, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560
ATTN: Jenine Abbassi

REPORT DATE: 12/29/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60476695.10005

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0576

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: DC32-0027 Model Laundry

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
IA-1	15L0576-01	Indoor air		EPA TO-15	
IA-2	15L0576-02	Indoor air		EPA TO-15	
IA-3	15L0576-03	Indoor air		EPA TO-15	
AA-1	15L0576-04	Ambient Air		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Propylbenzene

15L0576-01[IA-1], 15L0576-02[IA-2], 15L0576-03[IA-3], 15L0576-04[AA-1], B137963-BLK1, B137963-BS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: DC32-0027 Model Laundry
Date Received: 12/10/2015
Field Sample #: IA-1
Sample ID: 15L0576-01
Sample Matrix: Indoor air
Sampled: 12/9/2015 17:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1804
Canister Size: 6 liter
Flow Controller ID: 3396
Sample Type: 8 hr

Work Order: 15L0576
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -2.5
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	0.40	0.035	0.018		1.3	0.11	0.058	0.702	12/17/15 2:57	TPH
2-Butanone (MEK)	1.6	1.4	0.026		4.6	4.1	0.077	0.702	12/17/15 2:57	TPH
n-Butylbenzene	ND	0.10	0.023		ND	0.55	0.13	0.702	12/17/15 2:57	TPH
sec-Butylbenzene	0.046	0.080	0.027	J	0.25	0.44	0.15	0.702	12/17/15 2:57	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.056	0.702	12/17/15 2:57	TPH
cis-1,2-Dichloroethylene	0.18	0.035	0.013		0.73	0.14	0.053	0.702	12/17/15 2:57	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.037	0.702	12/17/15 2:57	TPH
Ethylbenzene	0.34	0.035	0.0097		1.5	0.15	0.042	0.702	12/17/15 2:57	TPH
Isopropylbenzene (Cumene)	0.037	0.089	0.028	J	0.18	0.44	0.14	0.702	12/17/15 2:57	TPH
p-Isopropyltoluene (p-Cymene)	0.38	0.080	0.024		2.1	0.44	0.13	0.702	12/17/15 2:57	TPH
Naphthalene	0.15	0.035	0.019		0.79	0.18	0.10	0.702	12/17/15 2:57	TPH
Propylbenzene	0.066	0.089	0.031	V-05, J	0.32	0.44	0.15	0.702	12/17/15 2:57	TPH
Tetrachloroethylene	12	0.035	0.010		80	0.24	0.068	0.702	12/17/15 2:57	TPH
Toluene	1.7	0.035	0.011		6.6	0.13	0.041	0.702	12/17/15 2:57	TPH
Trichloroethylene	0.029	0.035	0.010	J	0.15	0.19	0.056	0.702	12/17/15 2:57	TPH
1,2,4-Trimethylbenzene	1.3	0.035	0.0086		6.4	0.17	0.042	0.702	12/17/15 2:57	TPH
1,3,5-Trimethylbenzene	0.61	0.035	0.0070		3.0	0.17	0.034	0.702	12/17/15 2:57	TPH
Vinyl Chloride	0.13	0.035	0.015		0.34	0.090	0.038	0.702	12/17/15 2:57	TPH
m&p-Xylene	1.2	0.070	0.018		5.1	0.30	0.077	0.702	12/17/15 2:57	TPH
o-Xylene	0.41	0.035	0.010		1.8	0.15	0.044	0.702	12/17/15 2:57	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	12/17/15 2:57
4-Bromofluorobenzene (1)	112	70-130	12/17/15 2:57
4-Bromofluorobenzene (2)	90.8	70-130	12/17/15 2:57

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ANALYTICAL RESULTS

Project Location: DC32-0027 Model Laundry
Date Received: 12/10/2015
Field Sample #: IA-2
Sample ID: 15L0576-02
Sample Matrix: Indoor air
Sampled: 12/9/2015 18:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1014
Canister Size: 6 liter
Flow Controller ID: 3397
Sample Type: 8 hr

Work Order: 15L0576
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	0.63	0.035	0.018		2.0	0.11	0.058	0.702	12/17/15 3:41	TPH
2-Butanone (MEK)	2.0	1.4	0.026		6.0	4.1	0.077	0.702	12/17/15 3:41	TPH
n-Butylbenzene	ND	0.10	0.023		ND	0.55	0.13	0.702	12/17/15 3:41	TPH
sec-Butylbenzene	ND	0.080	0.027		ND	0.44	0.15	0.702	12/17/15 3:41	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.056	0.702	12/17/15 3:41	TPH
cis-1,2-Dichloroethylene	0.053	0.035	0.013		0.21	0.14	0.053	0.702	12/17/15 3:41	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.037	0.702	12/17/15 3:41	TPH
Ethylbenzene	0.65	0.035	0.0097		2.8	0.15	0.042	0.702	12/17/15 3:41	TPH
Isopropylbenzene (Cumene)	0.035	0.089	0.028	J	0.17	0.44	0.14	0.702	12/17/15 3:41	TPH
p-Isopropyltoluene (p-Cymene)	0.25	0.080	0.024		1.4	0.44	0.13	0.702	12/17/15 3:41	TPH
Naphthalene	0.11	0.035	0.019		0.56	0.18	0.10	0.702	12/17/15 3:41	TPH
Propylbenzene	0.045	0.089	0.031	V-05, J	0.22	0.44	0.15	0.702	12/17/15 3:41	TPH
Tetrachloroethylene	3.0	0.035	0.010		20	0.24	0.068	0.702	12/17/15 3:41	TPH
Toluene	2.8	0.035	0.011		10	0.13	0.041	0.702	12/17/15 3:41	TPH
Trichloroethylene	0.056	0.035	0.010		0.30	0.19	0.056	0.702	12/17/15 3:41	TPH
1,2,4-Trimethylbenzene	0.72	0.035	0.0086		3.5	0.17	0.042	0.702	12/17/15 3:41	TPH
1,3,5-Trimethylbenzene	0.29	0.035	0.0070		1.4	0.17	0.034	0.702	12/17/15 3:41	TPH
Vinyl Chloride	0.039	0.035	0.015		0.099	0.090	0.038	0.702	12/17/15 3:41	TPH
m&p-Xylene	2.3	0.070	0.018		10	0.30	0.077	0.702	12/17/15 3:41	TPH
o-Xylene	0.84	0.035	0.010		3.6	0.15	0.044	0.702	12/17/15 3:41	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	12/17/15 3:41
4-Bromofluorobenzene (1)	111	70-130	12/17/15 3:41
4-Bromofluorobenzene (2)	87.2	70-130	12/17/15 3:41

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ANALYTICAL RESULTS

Project Location: DC32-0027 Model Laundry
Date Received: 12/10/2015
Field Sample #: IA-3
Sample ID: 15L0576-03
Sample Matrix: Indoor air
Sampled: 12/9/2015 18:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1137
Canister Size: 6 liter
Flow Controller ID: 3574
Sample Type: 8 hr

Work Order: 15L0576
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	1.5	0.035	0.018		4.7	0.11	0.058	0.702	12/17/15 4:24	TPH
2-Butanone (MEK)	2.6	1.4	0.026		7.8	4.1	0.077	0.702	12/17/15 4:24	TPH
n-Butylbenzene	ND	0.10	0.023		ND	0.55	0.13	0.702	12/17/15 4:24	TPH
sec-Butylbenzene	ND	0.080	0.027		ND	0.44	0.15	0.702	12/17/15 4:24	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.056	0.702	12/17/15 4:24	TPH
cis-1,2-Dichloroethylene	0.017	0.035	0.013	J	0.067	0.14	0.053	0.702	12/17/15 4:24	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.037	0.702	12/17/15 4:24	TPH
Ethylbenzene	1.6	0.035	0.0097		6.8	0.15	0.042	0.702	12/17/15 4:24	TPH
Isopropylbenzene (Cumene)	0.040	0.089	0.028	J	0.20	0.44	0.14	0.702	12/17/15 4:24	TPH
p-Isopropyltoluene (p-Cymene)	0.28	0.080	0.024		1.5	0.44	0.13	0.702	12/17/15 4:24	TPH
Naphthalene	0.089	0.035	0.019		0.47	0.18	0.10	0.702	12/17/15 4:24	TPH
Propylbenzene	0.046	0.089	0.031	V-05, J	0.22	0.44	0.15	0.702	12/17/15 4:24	TPH
Tetrachloroethylene	0.81	0.035	0.010		5.5	0.24	0.068	0.702	12/17/15 4:24	TPH
Toluene	6.1	0.035	0.011		23	0.13	0.041	0.702	12/17/15 4:24	TPH
Trichloroethylene	0.15	0.035	0.010		0.78	0.19	0.056	0.702	12/17/15 4:24	TPH
1,2,4-Trimethylbenzene	0.32	0.035	0.0086		1.6	0.17	0.042	0.702	12/17/15 4:24	TPH
1,3,5-Trimethylbenzene	0.11	0.035	0.0070		0.52	0.17	0.034	0.702	12/17/15 4:24	TPH
Vinyl Chloride	ND	0.035	0.015		ND	0.090	0.038	0.702	12/17/15 4:24	TPH
m&p-Xylene	5.3	0.070	0.018		23	0.30	0.077	0.702	12/17/15 4:24	TPH
o-Xylene	2.0	0.035	0.010		8.6	0.15	0.044	0.702	12/17/15 4:24	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	12/17/15 4:24
4-Bromofluorobenzene (1)	112	70-130	12/17/15 4:24
4-Bromofluorobenzene (2)	89.0	70-130	12/17/15 4:24

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ANALYTICAL RESULTS

Project Location: DC32-0027 Model Laundry
Date Received: 12/10/2015
Field Sample #: AA-1
Sample ID: 15L0576-04
Sample Matrix: Ambient Air
Sampled: 12/9/2015 18:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1510
Canister Size: 6 liter
Flow Controller ID: 3575
Sample Type: 8 hr

Work Order: 15L0576
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8.5
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	0.24	0.035	0.018		0.75	0.11	0.058	0.702	12/17/15 5:08	TPH
2-Butanone (MEK)	0.72	1.4	0.026	J	2.1	4.1	0.077	0.702	12/17/15 5:08	TPH
n-Butylbenzene	ND	0.10	0.023		ND	0.55	0.13	0.702	12/17/15 5:08	TPH
sec-Butylbenzene	ND	0.080	0.027		ND	0.44	0.15	0.702	12/17/15 5:08	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.056	0.702	12/17/15 5:08	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.013		ND	0.14	0.053	0.702	12/17/15 5:08	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.037	0.702	12/17/15 5:08	TPH
Ethylbenzene	0.079	0.035	0.0097		0.34	0.15	0.042	0.702	12/17/15 5:08	TPH
Isopropylbenzene (Cumene)	ND	0.089	0.028		ND	0.44	0.14	0.702	12/17/15 5:08	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.080	0.024		ND	0.44	0.13	0.702	12/17/15 5:08	TPH
Naphthalene	ND	0.035	0.019		ND	0.18	0.10	0.702	12/17/15 5:08	TPH
Propylbenzene	ND	0.089	0.031	V-05	ND	0.44	0.15	0.702	12/17/15 5:08	TPH
Tetrachloroethylene	0.025	0.035	0.010	J	0.17	0.24	0.068	0.702	12/17/15 5:08	TPH
Toluene	0.65	0.035	0.011		2.5	0.13	0.041	0.702	12/17/15 5:08	TPH
Trichloroethylene	ND	0.035	0.010		ND	0.19	0.056	0.702	12/17/15 5:08	TPH
1,2,4-Trimethylbenzene	0.088	0.035	0.0086		0.43	0.17	0.042	0.702	12/17/15 5:08	TPH
1,3,5-Trimethylbenzene	ND	0.035	0.0070		ND	0.17	0.034	0.702	12/17/15 5:08	TPH
Vinyl Chloride	ND	0.035	0.015		ND	0.090	0.038	0.702	12/17/15 5:08	TPH
m&p-Xylene	0.31	0.070	0.018		1.3	0.30	0.077	0.702	12/17/15 5:08	TPH
o-Xylene	0.10	0.035	0.010		0.45	0.15	0.044	0.702	12/17/15 5:08	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	12/17/15 5:08
4-Bromofluorobenzene (1)	112	70-130	12/17/15 5:08
4-Bromofluorobenzene (2)	87.8	70-130	12/17/15 5:08

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15L0576-01 [IA-1]	B137963	1.5	1	N/A	1000	400	855	12/16/15
15L0576-02 [IA-2]	B137963	1.5	1	N/A	1000	400	855	12/16/15
15L0576-03 [IA-3]	B137963	1.5	1	N/A	1000	400	855	12/16/15
15L0576-04 [AA-1]	B137963	1.5	1	N/A	1000	400	855	12/16/15

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B137963 - TO-15 Prep											
Blank (B137963-BLK1)					Prepared: 12/16/15 Analyzed: 12/17/15						
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
Tetrachloroethylene	ND	0.035									
Trichloroethylene	ND	0.035									
Vinyl Chloride	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.68*				*8.00*		*109*	*70-130*			
LCS (B137963-BS1)					Prepared: 12/16/15 Analyzed: 12/17/15						
cis-1,2-Dichloroethylene	4.34				5.00		86.9	70-130			
trans-1,2-Dichloroethylene	3.94				5.00		78.7	70-130			
Tetrachloroethylene	4.95				5.00		99.0	70-130			
Trichloroethylene	5.04				5.00		101	70-130			
Vinyl Chloride	4.00				5.00		80.0	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.04*				*8.00*		*113*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B137963 - TO-15 Prep											
Blank (B137963-BLK1)					Prepared: 12/16/15 Analyzed: 12/17/15						
Benzene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
sec-Butylbenzene	ND	0.080									
Chlorobenzene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
Ethylbenzene	ND	0.035									
Isopropylbenzene (Cumene)	ND	0.089									
p-Isopropyltoluene (p-Cymene)	ND	0.080									
Naphthalene	ND	0.035									
Propylbenzene	ND	0.089									V-05
Tetrachloroethylene	ND	0.035									
Toluene	ND	0.035									
Trichloroethylene	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.68*				*8.00*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*6.98*				*8.00*		*87.2*	*70-130*			
LCS (B137963-BS1)					Prepared: 12/16/15 Analyzed: 12/17/15						
Benzene	5.02				5.00		100	70-130			
2-Butanone (MEK)	4.71				5.00		94.2	70-130			
sec-Butylbenzene	1.09				1.14		95.9	70-130			
Chlorobenzene	5.07				5.00		101	70-130			
cis-1,2-Dichloroethylene	4.34				5.00		86.9	70-130			
Ethylbenzene	5.35				5.00		107	70-130			
Isopropylbenzene (Cumene)	1.20				1.27		94.2	70-130			
p-Isopropyltoluene (p-Cymene)	1.09				1.14		95.7	70-130			
Naphthalene	5.31				5.00		106	70-130			
Propylbenzene	1.14				1.27		89.8	70-130			V-05
Tetrachloroethylene	4.95				5.00		99.0	70-130			
Toluene	4.97				5.00		99.3	70-130			
Trichloroethylene	5.04				5.00		101	70-130			
1,2,4-Trimethylbenzene	5.05				5.00		101	70-130			
1,3,5-Trimethylbenzene	4.90				5.00		98.0	70-130			
m&p-Xylene	10.4				10.0		104	70-130			
o-Xylene	5.16				5.00		103	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.04*				*8.00*		*113*	*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*7.03*				*8.00*		*87.8*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ANALYST

TPH	Thomas P. Hnitecki
PEB	Paula E. Blakeborough
LAW	Lisa A. Worthington

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	AIHA,FL,NJ,NY,VA,ME
Benzene	AIHA,FL,NJ,NY,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,VA,ME
2-Butanone (MEK)	AIHA,FL,NJ,NY,VA
Chlorobenzene	AIHA,FL,NJ,NY,VA
Chlorobenzene	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
Ethylbenzene	AIHA,FL,NJ,NY,VA,ME
Ethylbenzene	AIHA,FL,NJ,NY,VA
Isopropylbenzene (Cumene)	AIHA,NJ,NY,ME
Isopropylbenzene (Cumene)	AIHA,NJ,NY
Naphthalene	NY
Naphthalene	NY,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA
Toluene	AIHA,FL,NJ,NY,VA,ME
Toluene	AIHA,FL,NJ,NY,VA
Trichloroethylene	AIHA,FL,NJ,NY,VA
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
1,2,4-Trimethylbenzene	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME
1,3,5-Trimethylbenzene	AIHA,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA
m&p-Xylene	AIHA,FL,NJ,NY,VA
m&p-Xylene	AIHA,FL,NJ,NY,VA,ME
o-Xylene	AIHA,FL,NJ,NY,VA
o-Xylene	AIHA,FL,NJ,NY,VA,ME

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

con-test ANALYTICAL LABORATORY
www.contestlabs.com

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

1510576

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

DOC#284
Rev. Feb 2014

Company Name: URS Corporation - NC
Address: 1600 Perimeter Park Dr. Suite 400 Morrisville, NC 27560
Attention:
Project Location: DC 32-0027 Model Laundry
Sampled By: Jenine Abbasi

Telephone: 919-461-1100
Project # 60477695.10005
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax #:
Email:
Format: ☐EXCEL ☐PDF ☐GIS KEY ☐OTHER___

Proposal Provided? (For Billing purposes)
☐yes _____ proposal date

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement.

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	Total Minutes Sampled	Flow Rate M³/Min. or L/Min.	Volume Liters or M³	Matrix Code*	VOCs TO-15 ⊛ see comments				"Hg Initial pressure	"Hg Final pressure	"Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
IA-1		S	01	0925	1755	510	-	6L	IA	X				-28.5	-2.5	-3.7	BC1804	3396
IA-2		S	02	0935	1815	520	-	6L	IA	X				-30	-4	-5.0	BC1014	3397
IA-3		S	03	0945	1825	520	-	6L	IA	X				-30	-6	-1.2	BC1137	3574
AA-1		S	04	1008	1838	510	-	6L	AMB	X				-30	-8.5	-1	BC1510	3575

Laboratory Comments:

CLIENT COMMENTS:
⊛ Analyte list will depend on results of soil analysis and sub slab vapor analysis associated with WO# 1510359.

Relinquished by: (signature) Jenine Abbasi	Date/Time: 12/10/15 1052	
Received by: (signature) Brent Yadley	Date/Time: 12/10/15 1052	
Relinquished by: (signature) Brent Yadley	Date/Time: 12/10/15 1400	
Received by: (signature) Paula Blakeborough	Date/Time: 12:48 12.14.15	

Turnaround **
☐ 7-Day
☑ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: DSCA - NC
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☐N
(Surchage Applies)
Required Detection Limits:
Other:

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP, LLC Accredited/WBE/DBE Certified

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775170812686

Ship date:
Thu 12/10/2015

Raleigh, NC US

Delivered

Signed for by: KMCGEE

Actual delivery:
Mon 12/14/2015 12:48 pm

EAST LONGMEADOW, MA US

Travel History

FedEx Live Chat

No thanks Chat now

Date/Time		Location
12/14/2015		
12:48 pm		East Longmeadow, MA
12/12/2015		
3:36 am		CHICOPEE, MA
3:31 am		CHICOPEE, MA
1:01 am		WILLINGTON, CT
12/11/2015		
9:14 pm		WILLINGTON, CT
4:47 pm		SOUTHBURY TOWN OF, CT
4:37 am		KERNERSVILLE, NC
2:05 am		KERNERSVILLE, NC
12/10/2015 - Thursday		
9:54 pm	Left FedEx origin facility	DURHAM, NC
8:21 pm	Arrived at FedEx location	DURHAM, NC
7:08 pm	Picked up	DURHAM, NC
1:55 pm	In FedEx possession Tendered at FedEx location	RALEIGH, NC
12:47 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	775170812686	**Service**	FedEx Ground
Reference	80	**Weight**	15 lbs / 6.8 kgs
Dimensions	21x19x14 in.	**Total pieces**	1
Packaging	Package		

FedEx

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con-test ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: URS/AECOM RECEIVED BY: PB DATE: 12·14·15

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No
If not, explain:

3) Are all the samples in good condition? Yes No
If not, explain:

4) Are there any samples "On Hold"? Yes No Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? None

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	4	6 hr
Tedlar Bags		
TO-17 Tubes		
Regulators	4	8 hr
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/ TO-10A/TO-13) PUFs		
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 1804 1137 3396 3574
1014 1510 3397 3575

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Doc #278 Rev. 5 October 2014

Who notified of False statements? **Date/Time:**
Log-In Technician Initials: PB **Date/Time:** 12.14.15 12:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 27, 2016

Carlin Slusher
AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560

Project Location: Durham, NC
Client Job Number:
Project Number: 60476695.10005
Laboratory Work Order Number: 16A0379

Enclosed are results of analyses for samples received by the laboratory on January 7, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

AECOM-Morrisville NC
1600 Perimeter Park Drive
Morrisville, NC 27560
ATTN: Carlin Slusher

REPORT DATE: 1/27/2016

PURCHASE ORDER NUMBER: mike.ranck@urs.com

PROJECT NUMBER: 60476695.10005

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16A0379

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
IA-1-2	16A0379-01	Indoor air		EPA TO-15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 01-27-16: Per client request trans-1,2-DCE and vinyl chloride were added to the TO-15 list.

EPA TO-15

Qualifications:

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Propylbenzene

16A0379-01[IA-1-2], B140196-BLK1, B140196-BS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Durham, NC
Date Received: 1/7/2016
Field Sample #: IA-1-2
Sample ID: 16A0379-01
Sample Matrix: Indoor air
Sampled: 1/6/2016 17:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1981
Canister Size: 6 liter
Flow Controller ID: 3124
Sample Type: 8 hr

Work Order: 16A0379
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Benzene	0.35	0.035	0.018		1.1	0.11	0.058	0.702	1/18/16 20:42	TPH
2-Butanone (MEK)	1.1	1.4	0.026	J	3.2	4.1	0.077	0.702	1/18/16 20:42	TPH
sec-Butylbenzene	ND	0.080	0.027		ND	0.44	0.15	0.702	1/18/16 20:42	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.056	0.702	1/18/16 20:42	TPH
cis-1,2-Dichloroethylene	0.21	0.035	0.013		0.82	0.14	0.053	0.702	1/18/16 20:42	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.037	0.702	1/18/16 20:42	TPH
Ethylbenzene	0.10	0.035	0.0097		0.44	0.15	0.042	0.702	1/18/16 20:42	TPH
Isopropylbenzene (Cumene)	ND	0.089	0.028		ND	0.44	0.14	0.702	1/18/16 20:42	TPH
p-Isopropyltoluene (p-Cymene)	0.18	0.080	0.024		0.98	0.44	0.13	0.702	1/18/16 20:42	TPH
Naphthalene	0.057	0.035	0.019		0.30	0.18	0.10	0.702	1/18/16 20:42	TPH
Propylbenzene	0.036	0.089	0.031	L-03, J	0.18	0.44	0.15	0.702	1/18/16 20:42	TPH
Tetrachloroethylene	9.0	0.035	0.010		61	0.24	0.068	0.702	1/18/16 20:42	TPH
Toluene	0.56	0.035	0.011		2.1	0.13	0.041	0.702	1/18/16 20:42	TPH
Trichloroethylene	ND	0.035	0.010		ND	0.19	0.056	0.702	1/18/16 20:42	TPH
1,2,4-Trimethylbenzene	0.59	0.035	0.0086		2.9	0.17	0.042	0.702	1/18/16 20:42	TPH
1,3,5-Trimethylbenzene	0.28	0.035	0.0070		1.4	0.17	0.034	0.702	1/18/16 20:42	TPH
Vinyl Chloride	0.18	0.035	0.015		0.45	0.090	0.038	0.702	1/18/16 20:42	TPH
m&p-Xylene	0.41	0.070	0.018		1.8	0.30	0.077	0.702	1/18/16 20:42	TPH
o-Xylene	0.13	0.035	0.010		0.56	0.15	0.044	0.702	1/18/16 20:42	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/18/16 20:42
4-Bromofluorobenzene (2)	87.9	70-130	1/18/16 20:42

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
16A0379-01 [IA-1-2]	B140196	1.5	1	N/A	1000	400	855	01/18/16

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B140196 - TO-15 Prep												
Blank (B140196-BLK1)					Prepared & Analyzed: 01/18/16							
Benzene	ND	0.035										
2-Butanone (MEK)	ND	1.4										
sec-Butylbenzene	ND	0.080										
Chlorobenzene	ND	0.035										
cis-1,2-Dichloroethylene	ND	0.035										
trans-1,2-Dichloroethylene	ND	0.035										
Ethylbenzene	ND	0.035										
Isopropylbenzene (Cumene)	ND	0.089										
p-Isopropyltoluene (p-Cymene)	ND	0.080										
Naphthalene	ND	0.035										
Propylbenzene	ND	0.089										L-03
Tetrachloroethylene	ND	0.035										
Toluene	ND	0.035										
Trichloroethylene	ND	0.035										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*8.99*				*8.00*		*112*		*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*7.09*				*8.00*		*88.7*		*70-130*			
LCS (B140196-BS1)					Prepared & Analyzed: 01/18/16							
Benzene	5.41				5.00		108		70-130			
2-Butanone (MEK)	4.76				5.00		95.2		70-130			
sec-Butylbenzene	0.420				0.569		73.8		70-130			
Chlorobenzene	5.18				5.00		104		70-130			
cis-1,2-Dichloroethylene	4.21				5.00		84.2		70-130			
trans-1,2-Dichloroethylene	3.80				5.00		76.0		70-130			
Ethylbenzene	5.11				5.00		102		70-130			
Isopropylbenzene (Cumene)	0.473				0.636		74.4		70-130			
p-Isopropyltoluene (p-Cymene)	0.407				0.569		71.5		70-130			
Naphthalene	4.52				5.00		90.5		70-130			
Propylbenzene	0.432				0.636		**67.9**	*	70-130			L-03
Tetrachloroethylene	4.56				5.00		91.3		70-130			
Toluene	4.74				5.00		94.9		70-130			
Trichloroethylene	5.42				5.00		108		70-130			
1,2,4-Trimethylbenzene	4.77				5.00		95.4		70-130			
1,3,5-Trimethylbenzene	4.68				5.00		93.6		70-130			
Vinyl Chloride	4.25				5.00		85.0		70-130			
m&p-Xylene	10.5				10.0		105		70-130			
o-Xylene	5.05				5.00		101		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.04*				*8.00*		*113*		*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*7.27*				*8.00*		*90.9*		*70-130*			

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

ANALYST

TPH	Thomas P. Hnitecki
PEB	Paula E. Blakeborough
LAW	Lisa A. Worthington
JDL	Joseph D. Lawlor

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	AIHA,FL,NJ,NY,VA,ME
2-Butanone (MEK)	AIHA,FL,NJ,NY,VA,ME
Chlorobenzene	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
Ethylbenzene	AIHA,FL,NJ,NY,VA,ME
Isopropylbenzene (Cumene)	AIHA,NJ,NY,ME
Naphthalene	NY,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Toluene	AIHA,FL,NJ,NY,VA,ME
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME
m&p-Xylene	AIHA,FL,NJ,NY,VA,ME
o-Xylene	AIHA,FL,NJ,NY,VA,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

DC320027, Model Laundry

http://www.contestlabs.com Doc #378 Rev 0 5/8/15

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR) 16A0379

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: URS Corp - NC
Address: 1600 Perimeter Park Dr.
Phone: 919-461-1341
Project Name: DC320027 Model Laundry
Project Location: Durham NC
Project Number: 60476695.10005
Project Manager: C. Slisher
Con-Test Bid:
Invoice Recipient: C. Slisher
Sampled By: C. Slisher

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Other:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: DQA ADT etc.
Enhanced Data Package Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☐ L/min)	Matrix: Code	Volume (☒ Liters ☐ m³)	TO-15 *				" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	1A-1-2	1/6/16 0915	1/6/16 1725	490		1A	6L	X				-30	-6	5.2	1981	BC3124

Comments:
*1A - specific analyte list - see attached list.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1/7/16 1937
Received by: (signature) Brent Rader	Date/Time: 1/7/16 0937
Relinquished by: (signature) Brent Rader	Date/Time: 1/7/16 1640
Received by: (signature) Paula [illegible]	Date/Time: 1-11-16 12:43
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
☐ CT RCP Required
☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

DC320027, Model Laundry, analyte list for IA-1-2 (URS)

To be sent with COC + Sample.

-benzene
-2-butanone
-sec-butylbenzene
-cis-1,2-DCE
-ethylbenzene
-p-isopropyltoluene
-PCE
-toluene
-TCE
-1,2,4-TMB
-1,3,5-TMB
-xylenes
-chlorobenzene
-isopropylbenzene
-propylbenzene
-naphthalene

FedEx ® Tracking

775365783627

Ship date:
Thu 1/07/2016
Raleigh, NC US

Delivered
Signed for by: PBLAKE

Actual delivery:
Mon 1/11/2016 12:43 pm
EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
1/11/2016 - Monday		
12:43 pm	Delivered	East Longmeadow, MA
1/09/2016 - Saturday		
6:13 am	On FedEx vehicle for delivery	CHICOPEE, MA
6:09 am	At local FedEx facility	CHICOPEE, MA
12:04 am	Departed FedEx location	WILLINGTON, CT
1/08/2016 - Friday		
7:21 pm	Arrived at FedEx location	WILLINGTON, CT
1/07/2016 - Thursday		
10:49 pm	Left FedEx origin facility	DURHAM, NC
8:19 pm	Arrived at FedEx location	DURHAM, NC
6:25 pm	Picked up	DURHAM, NC
4:55 pm	In FedEx possession Tendered at FedEx location	RALEIGH, NC
2:44 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	775365783627	**Service**	FedEx Ground
Reference	80	**Weight**	9.1 lbs / 4.13 kgs
Dimensions	17x10x10 in.	**Total pieces**	1
Packaging	Package		

© FedEx 1995-2016

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con-test ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: WRS RECEIVED BY: PB DATE: 1.11.16

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? None

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		1	6 Lit
Tedlar Bags			
TO-17 Tubes			
Regulators		1	8 hr
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs			
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 1981 3124

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** PB **Date/Time:** 1.11.16 12:43

ATTACHMENT 22
SURROUNDING PROPERTIES MAP

Surrounding Properties Map
Model Laundry
808 Washington Street
Durham, NC
DSCA Site # DC320027

URS CORPORATION - NORTH CAROLINA
TWO SOUTH EXECUTIVE PARK
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 2/5/16
CHECKED BY: SDW - 2/6/16
PROJECT NO.: 60476695

SHEET: ATT. 22-1

Attachment 22-2
Surrounding Properties Table
Model Laundry
808 Washington Street
Durham, NC
DSCA Site # DC320027

ID	Property Address	Property Info	Property Use	Owner	Owner Address
1	808 Washington St.	Sound Pure Studio Facility	Commercial	Atlas Washington Real Holdings, LLC	2409 Wrightwood Ave. Durham, NC 27705
2	732 Washington St.	Sound Pure Music Store	Commercial	Atlas Washington Two, LLC	2409 Wrightwood Ave. Durham, NC 27705
3	733 Foster St.	Partially Vacant/Maverick Partners Realty	Commercial	Atlas Foster Real Estate Holding, LLC	2409 Wrightwood Ave. Durham, NC 27705
4	403 W. Trinity Ave.	Trinity Food Mart	Commercial	Compton Commercial Properties, LLC	403 W. Trinity Ave. Durham, NC 27701
5	721 Foster St.	Durham County Center	Community Service	County of Durham	200 E. Main St. Durham, NC 27701
6	802 Washington St.	Vacant	Vacant	Eleanor Richardson	1025 Skyler Ln. Durham NC 27705
7	327 W. Trinity Ave.	Residences	Residential	CPN Townhomes, LLC	203 Watts St. Durham NC 27701
8	814 Foster St.	Residences	Residential	CPN Townhomes, LLC	203 Watts St. Durham NC 27701
9	724 Foster St.	Central Park School for Children	Community Service	Central Park School for Children	724 Foster St. Durham, NC 27701
10	700 Foster St.	Parking Lot	Vacant	TND Capital Management, LLC	2525 Lanier Pl. Durham, NC 27705
11	420 W. Geer St.	Cocoa Cinnamon	Commercial	TND Capital Management, LLC	2525 Lanier Pl. Durham, NC 27705
12	701 W. Trinity Ave.	Residence	Residential	Powell, Larry and Susan	701 W. Trinity Ave. Unit 108 Durham, NC 27701
13	701 W. Trinity Ave.	Residence	Residential	Barbroff, Fredric J	701 W. Trinity Ave. Unit 107 Durham, NC 27701
14	701 W. Trinity Ave.	Residence	Residential	Kotch, Jonathan	701 W. Trinity Ave. Unit 106 Durham, NC 27701
15	701 W. Trinity Ave.	Residence	Residential	Ananat, Ryan	701 W. Trinity Ave. Unit 105 Durham, NC 27701
16	701 W. Trinity Ave.	Residence	Residential	Ziegler, Mark T	701 W. Trinity Ave. Unit 104 Durham, NC 27701
17	701 W. Trinity Ave.	Residence	Residential	Deters, Shelly B and Vincent L	701 W. Trinity Ave. Unit 103 Durham, NC 27701
18	701 W. Trinity Ave.	Residence	Residential	Benokraitis, Andrius T	701 W. Trinity Ave. Unit 102 Durham, NC 27701
19	701 W. Trinity Ave.	Residence	Residential	701 Trinity, LLC	373 Van Brunt St. Brooklyn, NY 11231
20	701 W. Trinity Ave.	Vacant/Parking Lot	Vacant	The Trinity Lofts Homeowners	701 W. Trinity Ave. Durham, NC 27701
21	715 Washington St.	Durham Bike Co-op	Commercial	TTP IV, LLC	373 Van Brunt St. Brooklyn, NY 11231
22	711 Washington St.	Durham Distillery	Commercial	711 Washington Street, LLC	11 Barrington Pl. Durham, NC 27705
23	709 Washington St.	The Blue Note Grill	Commercial	711 Washington Street, LLC	11 Barrington Pl. Durham, NC 27705
24	705 W. Trinity Ave.	Public Utility	Vacant	Erwin Distributing Corporation	Box 1971 Durham, NC 27702
25	904 Orient St.	Residence	Residential	Al-Bulushi, Yousuf	904 Orient St. Durham, NC 27701
26	901 Washington St.	Residence	Residential	Kutchma, Jason and Beth Ann	Apt. 416, 614 W. Main St. Durham, NC 27701
27	402 W. Trinity Ave.	Vacant	Vacant	City of Durham	101 City Hall Pl. Durham, NC 27701
28	800 Foster St.	Vacant	Vacant	Swirles, Susan	320 W. Trinity Ave. Durham, NC 27701
29	703 Washington St.	Erwin Oil Company	Commercial	Erwin Distributing Corporation	Box 1971 Durham, NC 27702
30	512 W. Geer St.	Stone Bros & Byrd Inc.	Commercial	Stone Bros & Byrd Inc.	PO Box 565 Durham, NC 27702
31	510 W. Geer St.	Vacant/Parking Lot	Vacant	McDermott Development Group, LLC	708 Bent Creek Rd. Bahama, NC 27503
32	703 Foster St.	Manbites Dog Theater Company	Commercial	Manbites Dog Theater Company	PO Box 402 Durham, NC 27702
33	701 W. Trinity Ave.	Residence	Residential	Cagnina, Renee	701 W. Trinity Ave. Unit 117 Durham, NC 27701
34	701 W. Trinity Ave.	Residence	Residential	Avalos, Jeremy B	701 W. Trinity Ave. Unit 116 Durham, NC 27701
35	701 W. Trinity Ave.	Residence	Residential	Schwendler, William T III	701 W. Trinity Ave. Unit 115 Durham, NC 27701
36	701 W. Trinity Ave.	Residence	Residential	Mantha, Bhavani Ramya	701 W. Trinity Ave. Unit 114 Durham, NC 27701
37	701 W. Trinity Ave.	Residence	Residential	Johnston, Mark	701 W. Trinity Ave. Unit 113 Durham, NC 27701
38	701 W. Trinity Ave.	Residence	Residential	Eggleston, Katharine	701 W. Trinity Ave. Unit 112 Durham, NC 27701
39	701 W. Trinity Ave.	Residence	Residential	Janning, Stephen W and Cheri D	701 W. Trinity Ave. Unit 111 Durham, NC 27701
40	701 W. Trinity Ave.	Residence	Residential	Pollock, Della	701 W. Trinity Ave. Unit 110 Durham, NC 27701
41	701 W. Trinity Ave.	Residence	Residential	Artz, Welsford E	701 W. Trinity Ave. Unit 109 Durham, NC 27701

*Source: Durham County GIS

ATTACHMENT 23
VAPOR QUALITY MAP

LEGEND

- Indoor Air Sample
- Subslab Vapor Sample
- Portion of the Building Covered in Wood Flooring
- J Estimate Value
- ug/m³ micrograms per cubic meter

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethene
VC - Vinyl chloride
1,2,4-TMB - 1,2,4-Trimethylbenzene
1,3,5-TMB - 1,3,5-Trimethylbenzene

SSV-2 (12/1/15)
2-Butanone - 2.5 J ug/m³
sec-Butylbenzene - 21 ug/m³
Chlorobenzene - 1.5 J ug/m³
Ethylbenzene - 2.1 J ug/m³
Isopropylbenzene - 6.5 ug/m³
p-Isopropyltoluene - 40 ug/m³
Naphthalene - 25 ug/m³
Propylbenzene - 14 ug/m³
PCE - 41 ug/m³
Toluene - 0.90 J ug/m³
1,2,4-TMB - 420 ug/m³
1,3,5-TMB - 180 ug/m³
Xylenes - 26 ug/m³

IA-1 (12/9/15)
Benzene - 1.3 ug/m³
2-Butanone - 4.6 ug/m³
sec-Butylbenzene - 0.25 J ug/m³
cis-1,2-DCE - 0.73 ug/m³
Ethylbenzene - 1.5 ug/m³
Isopropylbenzene - 0.18 J ug/m³
p-Isopropyltoluene - 2.1 ug/m³
Naphthalene - 0.79 ug/m³
Propylbenzene - 0.32 J ug/m³
PCE - 80 ug/m³
Toluene - 6.6 ug/m³
TCE - 0.15 J ug/m³
1,2,4-TMB - 6.4 ug/m³
1,3,5-TMB - 3.0 ug/m³
VC - 0.34 ug/m³
Xylenes - 6.9 ug/m³

IA-1-2 (1/6/16)
Benzene - 1.1 ug/m³
2-Butanone - 3.2 J ug/m³
cis-1,2-DCE - 0.82 ug/m³
Ethylbenzene - 0.44 ug/m³
p-Isopropyltoluene - 0.98 ug/m³
Naphthalene - 0.30 ug/m³
Propylbenzene - 0.18 J ug/m³
PCE - 61 ug/m³
Toluene - 21 ug/m³
1,2,4-TMB - 2.9 ug/m³
1,3,5-TMB - 1.4 ug/m³
VC - 0.45 ug/m³
Xylenes - 2.36 ug/m³

SSV-4 (12/1/15)
Benzene - 4.2 J ug/m³
2-Butanone - 5.2 J ug/m³
sec-Butylbenzene - 16 J ug/m³
Chlorobenzene - 520 ug/m³
cis-1,2-DCE - 4.4 J ug/m³
Ethylbenzene - 7.5 J ug/m³
p-Isopropyltoluene - 43 ug/m³
PCE - 410 ug/m³
Toluene - 4.2 J ug/m³
TCE - 12 ug/m³
1,2,4-TMB - 1,800 ug/m³
1,3,5-TMB - 560 ug/m³
Xylenes - 196 ug/m³

IA-2 (12/9/15
Benzene - 2.0 ug/m³
2-Butanone - 6.0 ug/m³
cis-1,2-DCE - 0.21 ug/m³
Ethylbenzene - 2.8 ug/m³
Isopropylbenzene - 0.17 J ug/m³
p-Isopropyltoluene - 1.4 ug/m³
Naphthalene - 0.56 ug/m³
Propylbenzene - 0.22 J ug/m³
PCE - 20 ug/m³
Toluene - 10 ug/m³
TCE - 0.30 ug/m³
1,2,4-TMB - 3.5 ug/m³
1,3,5-TMB - 1.4 ug/m³
VC - 0.099 ug/m³
Xylenes - 13.6 ug/m³

SSV-1 (12/1/15)
Benzene - 2.8 ug/m³
2-Butanone - 1.4 J ug/m³
sec-Butylbenzene - 4.5 ug/m³
Chlorobenzene - 1.4 ug/m³
Ethylbenzene - 0.90 ug/m³
p-Isopropyltoluene - 8.1 ug/m³
Propylbenzene - 3.3 ug/m³
PCE - 30 ug/m³
Toluene - 1.6 ug/m³
1,2,4-TMB - 320 ug/m³
1,3,5-TMB - 100 ug/m³
Xylenes - 5.3 ug/m³

SSV-5 (12/1/15)
2-Butanone - 1.1 J ug/m³
Ethylbenzene - 0.57 J ug/m³
PCE - 7.3 ug/m³
Toluene - 3.2 ug/m³
TCE - 1.0 J ug/m³
1,2,4-TMB - 3.6 ug/m³
1,3,5-TMB - 0.75 J ug/m³
Xylenes - 2.73 J ug/m³

AA-1 (12/9/15)
Benzene - 0.75 ug/m³
2-Butanone - 2.1 J ug/m³
Ethylbenzene - 0.34 ug/m³
PCE - 0.17 J ug/m³
Toluene - 2.5 ug/m³
1,2,4-TMB - 0.43 ug/m³
Xylenes - 1.75 ug/m³

IA-3 (12/9/15)
Benzene - 4.7 ug/m³
2-Butanone - 7.8 ug/m³
cis-1,2-DCE - 0.067 J ug/m³
Ethylbenzene - 6.8 ug/m³
Isopropylbenzene - 0.20 J ug/m³
p-Isopropyltoluene - 1.5 ug/m³
Naphthalene - 0.47 ug/m³
Propylbenzene - 0.22 J ug/m³
PCE - 5.5 ug/m³
Toluene - 23 ug/m³
TCE - 0.78 ug/m³
1,2,4-TMB - 1.6 ug/m³
1,3,5-TMB - 0.52 ug/m³
Xylenes - 31.6 ug/m³

SSV-3 (12/1/15)
sec-Butylbenzene - 41 ug/m³
Chlorobenzene - 57 ug/m³
Ethylbenzene - 7.6 J ug/m³
Isopropylbenzene - 15 J ug/m³
p-Isopropyltoluene - 49 ug/m³
Propylbenzene - 38 ug/m³
PCE - 24 ug/m³
1,2,4-TMB - 93 ug/m³
1,3,5-TMB - 130 ug/m³
Xylenes - 19.8 J ug/m³

SSV-2 IA-1 SSV-1 SSV-4 SSV-3 IA-2 AA-1 IA-3 SSV-5

0 12
APPROX. SCALE, ft.

Vapor Sampling Results
Model Laundry and Cleaners
808 Washington Street
Durham, NC
DSCA Site # DC320027

URS CORPORATION - NORTH CAROLINA
6000 FAIRVIEW DRIVE, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063

URS

NC Environmental Quality

DRAWN BY: CES - 2/9/16
CHECKED BY: SD - 2/9/16
PROJECT NO.: 60476695

SHEET: Att. 23

ATTACHMENT 24
RISK CALCULATORS

DSCA Indoor Air Risk Calculator - Cumulative Risk for Non-Residential Worker
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/9/2015
Sample ID:	IA-1

CAS	Chemical Name	Indoor Air Concentration	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
		(ug/m^3)	(ug/m3)	(ug/m3)	CR	HI
71-43-2	Benzene	1.3	1.57E+00	2.63E+01	8.27E-07	0.0099
98-82-8	Cumene	0.18		3.50E+02		0.0001
100-41-4	Ethylbenzene	1.5	4.91E+00	8.76E+02	3.06E-07	0.0003
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.6		4.38E+03		0.0002
91-20-3	Naphthalene	0.79	3.61E-01	2.63E+00	2.19E-06	0.0601
103-65-1	Propyl benzene	0.32		8.76E+02		0.0001
127-18-4	Tetrachloroethylene	80	4.72E+01	3.50E+01	1.70E-06	0.4566
108-88-3	Toluene	6.6		4.38E+03		0.0003
79-01-6	Trichloroethylene	0.15	2.99E+00	1.75E+00	5.01E-08	0.0171
95-63-6	Trimethylbenzene, 1,2,4-	6.4		6.13E+00		0.2087
75-01-4	Vinyl Chloride	0.34	2.79E+00	8.76E+01	1.22E-07	0.0008
1330-20-7	Xylenes	6.9		8.76E+01		0.0158
				Cumulative:	5.19E-06	0.77

Notes:
1. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.
2. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

$CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

$HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
* = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Indoor Air Risk Calculator - Cumulative Risk for Non-Residential Worker
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	1/6/2016
Sample ID:	IA-1-2

CAS	Chemical Name	Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
71-43-2	Benzene	1.1	1.57E+00	2.63E+01	7.00E-07	0.0084
100-41-4	Ethylbenzene	0.44	4.91E+00	8.76E+02	8.97E-08	0.0001
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.2		4.38E+03		0.0001
91-20-3	Naphthalene	0.3	3.61E-01	2.63E+00	8.32E-07	0.0228
103-65-1	Propyl benzene	0.18		8.76E+02		0.0000
127-18-4	Tetrachloroethylene	61	4.72E+01	3.50E+01	1.29E-06	0.3482
108-88-3	Toluene	2.1		4.38E+03		0.0001
95-63-6	Trimethylbenzene, 1,2,4-	2.9		6.13E+00		0.0946
75-01-4	Vinyl Chloride	0.45	2.79E+00	8.76E+01	1.61E-07	0.0010
1330-20-7	Xylenes	2.36		8.76E+01		0.0054
				Cumulative:	3.08E-06	0.48

Notes:

1. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.
2. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

$CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

$HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
* = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Indoor Air Risk Calculator - Cumulative Risk for Non-Residential Worker
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/9/2015
Sample ID:	IA-2

CAS	Chemical Name	Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
71-43-2	Benzene	2	1.57E+00	2.63E+01	1.27E-06	0.0152
98-82-8	Cumene	0.17		3.50E+02		0.0001
100-41-4	Ethylbenzene	2.8	4.91E+00	8.76E+02	5.71E-07	0.0006
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6		4.38E+03		0.0003
91-20-3	Naphthalene	0.56	3.61E-01	2.63E+00	1.55E-06	0.0426
103-65-1	Propyl benzene	0.22		8.76E+02		0.0001
127-18-4	Tetrachloroethylene	20	4.72E+01	3.50E+01	4.24E-07	0.1142
108-88-3	Toluene	10		4.38E+03		0.0005
79-01-6	Trichloroethylene	0.3	2.99E+00	1.75E+00	1.00E-07	0.0342
95-63-6	Trimethylbenzene, 1,2,4-	3.5		6.13E+00		0.1142
75-01-4	Vinyl Chloride	0.099	2.79E+00	8.76E+01	3.55E-08	0.0002
1330-20-7	Xylenes	13.6		8.76E+01		0.0311
				Cumulative:	3.96E-06	0.35

Notes:
1. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.
2. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

$CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

$HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
* = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Indoor Air Risk Calculator - Cumulative Risk for Non-Residential Worker
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/9/2015
Sample ID:	IA-3

CAS	Chemical Name	Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk (CR)	Calculated Non-Carcinogenic Hazard Quotient (HI)
71-43-2	Benzene	4.7	1.57E+00	2.63E+01	2.99E-06	0.0358
98-82-8	Cumene	0.2		3.50E+02		0.0001
100-41-4	Ethylbenzene	6.8	4.91E+00	8.76E+02	1.39E-06	0.0016
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7.8		4.38E+03		0.0004
91-20-3	Naphthalene	0.47	3.61E-01	2.63E+00	1.30E-06	0.0358
103-65-1	Propyl benzene	0.22		8.76E+02		0.0001
127-18-4	Tetrachloroethylene	5.5	4.72E+01	3.50E+01	1.17E-07	0.0314
108-88-3	Toluene	23		4.38E+03		0.0011
79-01-6	Trichloroethylene	0.78	2.99E+00	1.75E+00	2.61E-07	0.0890
95-63-6	Trimethylbenzene, 1,2,4-	1.6		6.13E+00		0.0522
1330-20-7	Xylenes	31.6		8.76E+01		0.0721
				Cumulative:	6.06E-06	0.32

Notes:
1. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.
2. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

$CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

$HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
* = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/2/2015
Sample ID:	SSV-1

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
71-43-2	Benzene	2.8	0.084	3.60E-01	6.26E+00	2.33E-07	0.0027
108-90-7	Chlorobenzene	1.4	0.042		1.04E+01		0.0008
100-41-4	Ethylbenzene	0.9	0.027	1.12E+00	2.09E+02	2.40E-08	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.4	0.042		1.04E+03		0.0000
103-65-1	Propyl benzene	3.3	0.099		2.09E+02		0.0001
127-18-4	Tetrachloroethylene	30	0.900	1.08E+01	8.34E+00	8.33E-08	0.0216
108-88-3	Toluene	1.6	0.048		1.04E+03		0.0000
95-63-6	Trimethylbenzene, 1,2,4-	320	9.600		1.46E+00		1.3151
1330-20-7	Xylenes	5.3	0.159		2.09E+01		0.0015
					Cumulative:	3.41E-07	1.34

Notes:

1. Calculated indoor air concentrations determined using the following formula:

   Calculated Indoor Air Concentration = Soil Gas Concentration x AF

   Where,

   AF = residential attenuation factor = 0.03

2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

   Where,

   Conc = indoor air concentration for constituent of concern

   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

   Where,

   Conc = indoor air concentration for constituent of concern

   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*

   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/2/2015
Sample ID:	SSV-2

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
108-90-7	Chlorobenzene	1.5	0.045		1.04E+01		0.0009
98-82-8	Cumene	6.5	0.195		8.34E+01		0.0005
100-41-4	Ethylbenzene	2.1	0.063	1.12E+00	2.09E+02	5.61E-08	0.0001
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.5	0.075		1.04E+03		0.0000
91-20-3	Naphthalene	25	0.750	8.26E-02	6.26E-01	9.08E-06	0.2397
103-65-1	Propyl benzene	14	0.420		2.09E+02		0.0004
127-18-4	Tetrachloroethylene	41	1.230	1.08E+01	8.34E+00	1.14E-07	0.0295
108-88-3	Toluene	0.9	0.027		1.04E+03		0.0000
95-63-6	Trimethylbenzene, 1,2,4-	420	12.600		1.46E+00		1.7260
1330-20-7	Xylenes	26	0.780		2.09E+01		0.0075
					Cumulative:	9.25E-06	2.00

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = residential attenuation factor = 0.03
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/2/2015
Sample ID:	SSV-3

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk (CR)	Calculated Non-Carcinogenic Hazard Quotient (HI)
108-90-7	Chlorobenzene	57	1.710		1.04E+01		0.0328
98-82-8	Cumene	15	0.450		8.34E+01		0.0011
100-41-4	Ethylbenzene	7.6	0.228	1.12E+00	2.09E+02	2.03E-07	0.0002
103-65-1	Propyl benzene	38	1.140		2.09E+02		0.0011
127-18-4	Tetrachloroethylene	24	0.720	1.08E+01	8.34E+00	6.67E-08	0.0173
95-63-6	Trimethylbenzene, 1,2,4-	93	2.790		1.46E+00		0.3822
1330-20-7	Xylenes	19.8	0.594		2.09E+01		0.0057
					Cumulative:	2.70E-07	0.44

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = residential attenuation factor = 0.03
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/2/2015
Sample ID:	SSV-4

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
71-43-2	Benzene	4.2	0.126	3.60E-01	6.26E+00	3.50E-07	0.0040
108-90-7	Chlorobenzene	520	15.600		1.04E+01		0.2992
100-41-4	Ethylbenzene	7.5	0.225	1.12E+00	2.09E+02	2.00E-07	0.0002
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.2	0.156		1.04E+03		0.0000
127-18-4	Tetrachloroethylene	410	12.300	1.08E+01	8.34E+00	1.14E-06	0.2949
108-88-3	Toluene	4.2	0.126		1.04E+03		0.0000
79-01-6	Trichloroethylene	12	0.360	4.78E-01	4.17E-01	7.53E-07	0.1726
95-63-6	Trimethylbenzene, 1,2,4-	1800	54.000		1.46E+00		7.3973
1330-20-7	Xylenes	196	5.880		2.09E+01		0.0564
					Cumulative:	2.44E-06	8.22

Notes:

1. Calculated indoor air concentrations determined using the following formula:

   Calculated Indoor Air Concentration = Soil Gas Concentration x AF

   Where,

   AF = residential attenuation factor = 0.03

2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.

   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$

   Where,

   Conc = indoor air concentration for constituent of concern

   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}

   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$

   Where,

   Conc = indoor air concentration for constituent of concern

   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*

   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Resident
Version 3, 1/16/2015

DSCA ID No:	DC320027
Name/Address of DSCA Site:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location:	Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Sampling Date:	12/2/2015
Sample ID:	SSV-5

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk (CR)	Calculated Non-Carcinogenic Hazard Quotient (HI)
100-41-4	Ethylbenzene	0.57	0.017	1.12E+00	2.09E+02	1.52E-08	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.1	0.033		1.04E+03		0.0000
127-18-4	Tetrachloroethylene	7.3	0.219	1.08E+01	8.34E+00	2.03E-08	0.0053
108-88-3	Toluene	3.2	0.096		1.04E+03		0.0000
79-01-6	Trichloroethylene	1	0.030	4.78E-01	4.17E-01	6.27E-08	0.0144
95-63-6	Trimethylbenzene, 1,2,4-	3.6	0.108		1.46E+00		0.0148
1330-20-7	Xylenes	2.73	0.082		2.09E+01		0.0008
					Cumulative:	9.82E-08	0.04

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = residential attenuation factor = 0.03
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1.

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No: DC320027
Name/Address of DSCA Site: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC

Sampling Date: 12/2/2015
Sample ID: SSV-1

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk (CR)	Calculated Non-Carcinogenic Hazard Quotient (HI)
71-43-2	Benzene	2.8	0.028	1.57E+00	2.63E+01	1.78E-08	0.0002
108-90-7	Chlorobenzene	1.4	0.014		4.38E+01		0.0001
100-41-4	Ethylbenzene	0.9	0.009	4.91E+00	8.76E+02	1.83E-09	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.4	0.014		4.38E+03		0.0000
103-65-1	Propyl benzene	3.3	0.033		8.76E+02		0.0000
127-18-4	Tetrachloroethylene	30	0.3	4.72E+01	3.50E+01	6.36E-09	0.0017
108-88-3	Toluene	1.6	0.016		4.38E+03		0.0000
95-63-6	Trimethylbenzene, 1,2,4-	320	3.2		6.13E+00		0.1044
1330-20-7	Xylenes	5.3	0.053		8.76E+01		0.0001
					Cumulative:	2.60E-08	0.11

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No: DC320027
Name/Address of DSCA Site: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC

Sampling Date: 12/2/2015
Sample ID: SSV-2

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk (CR)	Calculated Non-Carcinogenic Hazard Quotient (HI)
108-90-7	Chlorobenzene	1.5	0.015		4.38E+01		0.0001
98-82-8	Cumene	6.5	0.065		3.50E+02		0.0000
100-41-4	Ethylbenzene	2.1	0.021	4.91E+00	8.76E+02	4.28E-09	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.5	0.025		4.38E+03		0.0000
91-20-3	Naphthalene	25	0.25	3.61E-01	2.63E+00	6.93E-07	0.0190
103-65-1	Propyl benzene	14	0.14		8.76E+02		0.0000
127-18-4	Tetrachloroethylene	41	0.41	4.72E+01	3.50E+01	8.69E-09	0.0023
108-88-3	Toluene	0.9	0.009		4.38E+03		0.0000
95-63-6	Trimethylbenzene, 1,2,4-	420	4.2		6.13E+00		0.1370
1330-20-7	Xylenes	26	0.26		8.76E+01		0.0006
					Cumulative:	7.06E-07	0.16

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No: DC320027
Name/Address of DSCA Site: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC

Sampling Date: 12/2/2015
Sample ID: SSV-3

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
108-90-7	Chlorobenzene	57	0.57		4.38E+01		0.0026
98-82-8	Cumene	15	0.15		3.50E+02		0.0001
100-41-4	Ethylbenzene	7.6	0.076	4.91E+00	8.76E+02	1.55E-08	0.0000
103-65-1	Propyl benzene	38	0.38		8.76E+02		0.0001
127-18-4	Tetrachloroethylene	24	0.24	4.72E+01	3.50E+01	5.09E-09	0.0014
95-63-6	Trimethylbenzene, 1,2,4-	93	0.93		6.13E+00		0.0303
1330-20-7	Xylenes	19.8	0.198		8.76E+01		0.0005
					Cumulative:	2.06E-08	0.03

Notes:
1. Calculated indoor air concentrations determined using the following formula:
Calculated Indoor Air Concentration = Soil Gas Concentration x AF
Where,
AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
$CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
$HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
Where,
Conc = indoor air concentration for constituent of concern
SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
* = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No: DC320027
Name/Address of DSCA Site: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC

Sampling Date: 12/2/2015
Sample ID: SSV-4

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
71-43-2	Benzene	4.2	0.042	1.57E+00	2.63E+01	2.67E-08	0.0003
108-90-7	Chlorobenzene	520	5.2		4.38E+01		0.0237
100-41-4	Ethylbenzene	7.5	0.075	4.91E+00	8.76E+02	1.53E-08	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.2	0.052		4.38E+03		0.0000
127-18-4	Tetrachloroethylene	410	4.1	4.72E+01	3.50E+01	8.69E-08	0.0234
108-88-3	Toluene	4.2	0.042		4.38E+03		0.0000
79-01-6	Trichloroethylene	12	0.12	2.99E+00	1.75E+00	4.01E-08	0.0137
95-63-6	Trimethylbenzene, 1,2,4-	1800	18		6.13E+00		0.5871
1330-20-7	Xylenes	196	1.96		8.76E+01		0.0045
					Cumulative:	1.69E-07	0.65

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

DSCA Soil Gas Risk Calculator - Cumulative Risk for Non-Residential Worke
Version 3, 1/16/2015

DSCA ID No: DC320027
Name/Address of DSCA Site: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC
Name/Address of Sampling Location: Model Laundry & Dry Cleaners, 808 Washington Street, Durham, NC

Sampling Date: 12/2/2015
Sample ID: SSV-5

CAS	Chemical Name	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 (ug/m3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 (ug/m3)	Calculated Carcinogenic Risk CR	Calculated Non-Carcinogenic Hazard Quotient HI
100-41-4	Ethylbenzene	0.57	0.0057	4.91E+00	8.76E+02	1.16E-09	0.0000
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.1	0.011		4.38E+03		0.0000
127-18-4	Tetrachloroethylene	7.3	0.073	4.72E+01	3.50E+01	1.55E-09	0.0004
108-88-3	Toluene	3.2	0.032		4.38E+03		0.0000
79-01-6	Trichloroethylene	1	0.01	2.99E+00	1.75E+00	3.34E-09	0.0011
95-63-6	Trimethylbenzene, 1,2,4-	3.6	0.036		6.13E+00		0.0012
1330-20-7	Xylenes	2.73	0.0273		8.76E+01		0.0001
					Cumulative:	6.05E-09	0.00

Notes:
1. Calculated indoor air concentrations determined using the following formula:
   Calculated Indoor Air Concentration = Soil Gas Concentration x AF
   Where,
   AF = non-residential attenuation factor = 0.010
2. Target indoor air concentrations calculated using the EPA Vapor Intrusion Screening Level (VISL) Calculator, which is based on the EPA Regional Screening Levels. Note that concentrations are equivalent to the Inactive Hazardous Sites Branch (IHSB) VISLs.

3. Cumulative carcinogenic risk (CR) and hazard index (HI) calculated using the following formulas, per the procedure detailed in the EPA Regional Screening Levels User's Guide.
   $CR = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)] \times 10^{-6}$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on carcinogenic risk of 10^{-6}
   $HI = [(Conc_x/SL_x) + (Conc_y/SL_y) + (Conc_z/SL_z)]$
   Where,
   Conc = indoor air concentration for constituent of concern
   SL = target indoor air concentration for constituent of concern based on hazard quotient of 1*
   * = Tabulated values are based on a hazard quotient of 0.2. These values are multiplied by 5 to convert to a hazard quotient of 1

ATTACHMENT 25
PRELIMINARY SSTLS

Risk Assessment Toolkit
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

DSCA Site Name:	Model Laundry and Cleaners
DSCA Site Address:	808 Washington Street, Durham, NC
DSCA ID No.:	DC320027
Exposure Unit:	Soil SSTL
Submittal Date:	4/4/2016
Prepared By:	Rob MacWilliams, P.G.
	URS Corporation - North Carolina

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Exposure Unit:	**Soil SSTL**	

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DSCA Protection of Groundwater--Source Soil (Back Calculator) **Form 5F**

DSCA ID No.: DC320027

Distance to Protection of Groundwater POE 420 feet

CAS #	Chemical Name:	Target Groundwater Concentration at POE (mg/L)	2L Standard (mg/L)	Calculated Source Soil Concentration (Tier 2 SSTL) (mg/kg)
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.03	0.02	10.15256146
91-20-3	Naphthalene	0.006	0.006	5.434611137
127-18-4	Tetrachloroethylene	0.0007	0.0007	0.236893101
108-88-3	Toluene	0.6	0.6	203.0512292
1330-20-7	Xylenes	0.5	0.5	169.2093576
67-64-1	Acetone	6	6	2030.512292
104-51-8	Butylbenzene, n-	0.07	0.07	62.0695916
135-98-8	Butylbenzene, sec-	0.07	0.07	56.36486409
98-06-6	Butylbenzene, tert-	0.07	0.07	43.34336922
108-90-7	Chlorobenzene	0.05	0.05	16.92093576
98-82-8	Cumene	0.07	0.07	31.53936421
132-64-9	~Dibenzofuran	0.028	0.028	142.804913
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4	4	1353.674861
75-09-2	Methylene Chloride	0.005	0.005	1.692093576
117-81-7	~Bis(2-ethylhexyl)phthalate	0.003	0.003	197.7538489
83-32-9	~Acenaphthene	0.08	0.08	225.8865925
120-12-7	~Anthracene	2	2	18128.9213
56-55-3	~Benz[a]anthracene	0.00005	0.00005	4.873633433
50-32-8	~Benzo[a]pyrene	0.000005	0.000005	1.617660623
205-99-2	~Benzo[b]fluoranthene	0.00005	0.00005	16.50702202
207-08-9	~Benzo[k]fluoranthene	0.0005	0.0005	161.7660623
218-01-9	~Chrysene	0.005	0.005	497.2757839
53-70-3	~Dibenz[a,h]anthracene	0.000005	0.000005	5.264900209
206-44-0	~Fluoranthene	0.3	0.3	9177.301057
86-73-7	~Fluorene	0.3	0.3	1529.853247
193-39-5	~Indeno[1,2,3-cd]pyrene	0.00005	0.00005	53.7228534
91-57-6	~Methylnaphthalene, 2-	0.03	0.03	42.60575577
129-00-0	~Pyrene	0.2	0.2	5995.947457
95-63-6	Trimethylbenzene, 1,2,4-	0.4	0.4	159.7478942
108-67-8	Trimethylbenzene, 1,3,5-	0.4	0.4	158.0790476

Note: The 2L Standards are shown for convenience. However, if the 2L Standards are the target groundwater concentration at the POE they must be manually entered in column G. This is to allow for situations where the target groundwater concentration at the POE may be values other than 2L Standards (vapor intrusion screening levels for example).

Analytical Data Tables
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Model Laundry and Cleaners
	808 Washington Street, Durham, NC
DSCA ID No.:	DC320027
Submittal Date:	April 4, 2016
Prepared By:	Carlin Slusher; Rob MacWilliams, PG
	URS Corporation - North Carolina

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DSCA ID No.: DC320027

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Att. 6	Groundwater gradient map for each sampling event.	☐
Att. 7	PCE concentration map showing the concentration at each sampling point and isoconcentration map. However, if there are significant plumes for other dry-cleaning contaminants, contaminant concentration maps for each chemical of concern should be included.	☐
Att. 8	Groundwater concentration trend plots.	☐
Att. 9	Map showing location(s) of surface water sample(s) (if applicable).	☐
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Att. 12	Site map showing location(s) of monitoring well(s) for natural attenuation paramete	☐
Att. 13	Site map showing location(s) of indoor air, outdoor air, or soil gas samples.	☐
Att. 14	Air and soil gas concentration map showing the concentration at each sampling point.	☐
Att. 15	Signed laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation (only if not previously submitted).	☐
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Note:
1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Table 1: Site Chronology	ADT 1
DSCA ID No.: DC320027	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
7/18/2001	Engineering Consulting Services, Ltd (ECS, Ltd.) completed a Phase I Environmental Assessment Report, which identified a dry-cleaning operation from approximately 1935 to 1970.
3/20/2006	Ed Aguirre & Associates completed a limited subsurface investigation consisting of one soil boring location, as documented in a Subsurface Evaluation Report.
10/8/2015	Site is petitioned into the DSCA Program and given the site ID # DC320027.
10/20/2015	URS, DSCA, and Petitioner meet onsite to discuss the scope of work and review proposed sampling locations.
11/18/2015	URS oversees subsurface utility locating activities and reviews proposed soil borings with Petitioner.
Week of 11/30/2015	URS oversees Prioritization Assessment activities including the advancement and soil sample collection from 13 soil borings and subslab vapor sample collection at five locations.
12/9/2015	URS collects five indoor air and one ambient air sample from the subject site.
1/6/2016	URS collects one confirmatory indoor air sample from a previous location (IA-1).
1/20/2016	URS advances two soil borings outside the former dry-cleaner to delineate soil impacts.
3/4/2016	URS advances five additional soil borings outside the former dry-cleaner to delineate soil impacts along the sidewalk.

Table 2: Analytical Data for Soil **ADT 2**

DSCA ID No.: DC320027

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
			[mg/kg]																			
SB-1 0-1	0-1	12/1/15	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.19	0.77	0.38	0.33	< 0.48	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
SB-2 1-1.2	1-1.2	12/1/15	< 0.0011	< 0.0011	< 0.0011	0.0004 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0022	< 0.0011	< 0.0011	< 0.0011	0.028	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
SB-3 0-1	0-1	12/1/15	< 0.0009	< 0.0009	< 0.0009	< 0.0009	0.0022	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0017	0.054	0.028	0.031	0.018	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-4 1-2	1-2	12/1/15	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0025	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0022	0.0086	0.0065	0.0077	0.028	0.070 J	0.18 J	0.14 J	0.19 J	0.077 J
SB-5 2-3	2-3	12/1/15	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.17	0.13	< 0.085	< 0.085	< 0.43	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-6 2-3	2-3	12/1/15	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.46	3.3	1.7	0.55	< 1.1	< 0.38	0.14 J	0.14 J	0.18 J	0.083 J
SB-7 1-2	1-2	12/1/15	< 0.97	< 0.97	< 0.97	< 0.97	2.5	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	11	120	73	15	< 4.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
SB-8 1-1.2	1-1.2	12/1/15	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 1.0	14	9	2.4	< 2.6	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7
SB-9 0-1	0-1	12/1/15	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	0.25	0.13 J	< 0.22	< 1.1	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
SB-10 1-1.3	1-1.3	12/2/15	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0023	< 0.0011	< 0.0011	< 0.0011	0.018	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
SB-11 2-3	2-3	12/2/15	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0023	< 0.0012	< 0.0012	< 0.0012	0.029	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-12 2-3	2-3	12/2/15	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0021	< 0.0010	< 0.0010	< 0.0010	0.015	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-13 2-3	2-3	12/2/15	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0023	< 0.0011	< 0.0011	< 0.0011	0.012	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-14 (0-1)	0-1	1/20/16	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0079	0.0019	< 0.0012	< 0.0012	< 0.0012	< 0.0037	< 0.0012	< 0.0012	< 0.0012	< 0.0061	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-15 (0-1)	0-1	1/20/16	< 0.00090	< 0.00090	< 0.00090	< 0.00090	0.0016	< 0.00090	0.0015	< 0.00090	< 0.00090	< 0.00090	< 0.0027	< 0.00090	< 0.00090	< 0.00090	0.0099	1.4	4	3.2	4.1	1.8
SB-15 (2-3)	2-3	1/20/16	< 0.0013	< 0.0013	< 0.0013	< 0.0013	0.0037	< 0.0013	0.0029	< 0.0013	< 0.0013	< 0.0013	< 0.0039	0.00062 J	< 0.0013	< 0.0013	0.013	0.54 J	1.3	1.3	1.6	0.78 J

Table 2: Analytical Data for Soil **ADT 2**

DSCA ID No.: DC320027

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
			[mg/kg]																			
SB-16	0-1	3/4/2016	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0031	< 0.0010	< 0.0010	< 0.0010	<0.0052	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
SB-17	0-1	3/4/2016	< 0.00065	< 0.00065	< 0.00065	< 0.00065	< 0.00065	0.0048	< 0.00065	< 0.00065	< 0.00065	< 0.00065	< 0.0020	< 0.00065	< 0.00065	< 0.00065	<0.0033	< 0.38	0.19 J	0.22 J	0.28 J	0.17 J
SB-18	0-1	3/4/2016	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	0.008	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.0027	< 0.00089	< 0.00089	< 0.00089	<0.0045	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
SB-19	0-1	3/4/2016	< 0.00091	< 0.00091	< 0.00091	< 0.00091	< 0.00091	0.00046 J	< 0.00091	< 0.00091	< 0.00091	< 0.00091	< 0.0027	< 0.00091	< 0.00091	< 0.00091	<0.0045	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
SB-20	0-1	3/4/2016	< 0.00068	< 0.00068	< 0.00068	< 0.00068	< 0.00068	0.022	< 0.00068	< 0.00068	< 0.00068	< 0.00068	< 0.0020	< 0.00068	< 0.00068	< 0.00068	<0.0034	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41

Table 2(1): Analytical Data for Soil (User Specified Chemicals) **ADT 2(1)**

DSCA ID No.: DC320027

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chlorobenzene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	n-Butyl Benzene	n-Propyl Benzene	Phenanthrene	Pyrene	sec-Butylbenzene	tert-Butylbenzene	2-Butanone	Acenaphthene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene
			[mg/kg]																			
SB-1 0-1	0-1	12/1/15	< 0.39	0.17 J	< 0.097	< 0.39	< 0.39	< 0.39	< 0.097	< 0.485	< 0.097	< 0.097	< 0.39	< 0.39	0.096 J	< 0.097	< 0.485	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
SB-2 1-1.2	1-1.2	12/1/15	< 0.37	0.17 J	< 0.0011	< 0.37	< 0.37	< 0.37	< 0.0011	0.0089	< 0.0011	< 0.0011	< 0.37	< 0.37	< 0.0011	< 0.0011	< 0.0055	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
SB-3 0-1	0-1	12/1/15	< 0.40	< 0.40	< 0.0009	< 0.40	< 0.40	< 0.40	0.0005 J	0.0027 J	0.0066	< 0.0009	< 0.40	< 0.40	0.0088	< 0.0009	< 0.045	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-4 1-2	1-2	12/1/15	0.11 J	0.14 J	< 0.0011	0.16 J	0.36 J	0.078 J	< 0.0011	0.0025 J	0.0010 J	< 0.0011	0.30 J	0.31 J	0.0016	< 0.0011	< 0.0055	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
SB-5 2-3	2-3	12/1/15	< 0.40	< 0.40	< 0.085	< 0.40	< 0.40	< 0.40	< 0.085	< 0.43	< 0.085	0.066 J	< 0.40	< 0.40	0.078 J	< 0.085	< 0.43	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-6 2-3	2-3	12/1/15	0.094 J	0.066 J	< 0.23	0.13 J	0.14 J	0.078 J	< 0.23	< 1.15	0.35	< 0.23	< 0.38	0.14 J	0.4	< 0.23	< 1.15	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-7 1-2	1-2	12/1/15	< 7.8	< 7.8	0.56 J	< 7.8	< 7.8	< 7.8	1.9	< 4.8	5.4	4.9	< 7.8	< 7.8	9.3	1.9	< 4.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
SB-8 1-1.2	1-1.2	12/1/15	< 7.7	< 7.7	< 0.52	< 7.7	< 7.7	< 7.7	< 0.52	< 2.6	0.93	< 0.52	< 7.7	< 7.7	1.3	< 0.52	< 2.6	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7
SB-9 0-1	0-1	12/1/15	< 0.42	< 0.42	< 0.22	< 0.42	< 0.42	< 0.42	< 0.22	0.83 J	< 0.22	< 0.22	< 0.42	< 0.42	< 0.22	< 0.22	< 1.1	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
SB-10 1-1.3	1-1.3	12/2/15	< 0.37	< 0.37	< 0.0011	< 0.37	< 0.37	< 0.37	< 0.0011	0.0065	< 0.0011	< 0.0011	< 0.37	< 0.37	< 0.0011	< 0.0011	< 0.0055	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
SB-11 2-3	2-3	12/2/15	< 0.38	< 0.38	< 0.0012	< 0.38	< 0.38	< 0.38	< 0.0012	0.0071	< 0.0012	< 0.0012	< 0.38	< 0.38	< 0.0012	< 0.0012	< 0.006	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-12 2-3	2-3	12/2/15	< 0.38	< 0.38	< 0.0010	< 0.38	< 0.38	< 0.38	< 0.0010	0.0027 J	< 0.0010	< 0.0010	< 0.38	< 0.38	< 0.0010	< 0.0010	< 0.005	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-13 2-3	2-3	12/2/15	< 0.38	< 0.38	< 0.0011	< 0.38	0.046 J	< 0.38	< 0.0011	0.0069	< 0.0011	< 0.0011	< 0.38	< 0.38	< 0.0011	< 0.0011	< 0.0055	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-14 (0-1)	0-1	1/20/16	< 0.40	< 0.40	< 0.0012	< 0.40	< 0.40	< 0.40	< 0.0012	< 0.0024	< 0.0012	< 0.0012	< 0.40	< 0.40	< 0.0012	< 0.0012	< 0.0061	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SB-15 (0-1)	0-1	1/20/16	1.9	< 1.1	< 0.00090	3.7	7.9	1.8	< 0.00090	< 0.018	0.0012	< 0.00090	4.9	6.6	0.0011	< 0.00090	0.0025 J	0.37 J	0.54 J	0.20 J	7.9	0.48 J
SB-15 (2-3)	2-3	1/20/16	0.66 J	0.43 J	< 0.0013	1.3	3.1	0.69 J	< 0.0013	< 0.0026	< 0.0013	< 0.0013	2	2.6	< 0.0013	< 0.0013	0.0035 J	0.25 J	0.22 J	0.13 J	3.1	0.22 J

Table 2(1): Analytical Data for Soil (User Specified Chemicals) **ADT 2(1)**

DSCA ID No.: DC320027

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chlorobenzene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	n-Butyl Benzene	n-Propyl Benzene	Phenanthrene	Pyrene	sec-Butylbenzene	tert-Butylbenzene	2-Butanone	Acenaphthene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene
			[mg/kg]																			
SB-16	0-1	3/4/2016	< 0.49	< 0.49	< 0.0010	< 0.49	< 0.49	< 0.49	< 0.0010	<0.0021	< 0.0010	< 0.0010	< 0.49	< 0.49	< 0.0010	< 0.0010	<0.0052	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
SB-17	0-1	3/4/2016	0.15 J	< 0.38	< 0.00065	0.21 J	0.21 J	0.15 J	< 0.00065	<0.00048	< 0.00065	< 0.00065	0.12 J	0.23 J	< 0.00065	< 0.00065	<0.0033	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
SB-18	0-1	3/4/2016	< 0.42	< 0.42	< 0.00089	< 0.42	< 0.42	< 0.42	< 0.00089	<0.0018	< 0.00089	< 0.00089	< 0.42	< 0.42	< 0.00089	< 0.00089	<0.0045	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
SB-19	0-1	3/4/2016	< 0.43	0.046 J	< 0.00091	< 0.43	< 0.43	< 0.43	< 0.00091	<0.0018	< 0.00091	< 0.00091	< 0.43	< 0.43	< 0.00091	< 0.00091	<0.0045	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
SB-20	0-1	3/4/2016	< 0.41	< 0.41	< 0.00068	< 0.41	< 0.41	< 0.41	< 0.00068	<0.0014	< 0.00068	< 0.00068	< 0.41	< 0.41	< 0.00068	< 0.00068	<0.0034	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41

Table 3: Analytical Data for Sub-slab Gas **ADT 3**

DSCA ID No.: DC320027

Sample ID	Depth [inches bgs]	Slab Thickness [inches]	Sampling Duration [1]	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Chlorobenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene (p-Cymene)	Propylbenzene
					[µg/m^3]																
SSV-1	7	6	0.55 h	12/02/15	2.8	< 0.79	0.90	< 0.72	< 1.0	30	1.6	< 0.79	< 1.1	< 0.51	5.3	100	1.4 J	1.4	< 2.5	8.1	3.3
SSV-2	9	8	0.42 h	12/02/15	< 1.6	< 2.0	2.1 J	< 1.8	25	41	0.90 J	< 2.0	< 2.7	< 1.3	26	180	2.5 J	1.5 J	6.5	40	14
SSV-3	3	2	0.88 h	12/02/15	< 6.4	< 7.9	7.6 J	< 7.2	< 10	24	< 7.5	< 7.9	< 11	< 5.1	<26	130	< 240	57	15 J	49	38
SSV-4	7	6	0.62 h	12/02/15	4.2 J	4.4 J	7.5 J	< 7.2	< 10	410	4.2 J	< 7.9	12	< 5.1	196	560	5.2 J	520	< 25	43	< 25
SSV-5	6	5	0.47 h	12/02/15	< 0.64	< 0.79	0.57 J	< 0.72	< 1.0	7.3	3.2	< 0.79	1.0 J	< 0.51	2.0	0.75 J	1.1 J	< 0.92	< 2.5	< 2.5	< 2.5

Table 3(1): Analytical Data for Sub-slab Gas (User Specified Chemicals) **ADT 3(1)**

DSCA ID No.: DC320027

Sample ID	Depth [inches bgs]	Slab Thickness [inches]	Sampling Duration[1]	Sampling Date (mm/dd/yy)	sec-Butylbenzene	1,2,4-Trimethylbenzene															
					[µg/m^3]																
SSV-1	7	6	0.55 h	12/02/15	4.5	320															
SSV-2	9	8	0.42 h	12/02/15	21	420															
SSV-3	3	2	0.88 h	12/02/15	41	93															
SSV-4	7	6	0.62 h	12/02/15	16 J	1800															
SSV-5	6	5	0.47 h	12/02/15	< 2.5	3.6															

Table 5: Analytical Data for Indoor and Outdoor Air **ADT 5**

DSCA ID No.: DC320027

Sample ID	Sampling Date (mm/dd/yy)	Sample Location [1]	Sampling Method [2]	Sampling Duration [3]	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	sec-Butylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Isopropylbenzene (Cumene)	p-Isopropyltoluene (p-Cymene)
					[µg/m^3]																
AA-1	12/09/15		SU	8.5 h	0.75	< 0.14	0.34	NA	< 0.18	0.17 J	2.5	< 0.14	< 0.19	< 0.090	1.8	< 0.44	0.43	< 0.17	2.1 J	< 0.44	< 0.44
IA-1	12/09/15	F	SU	8.5 h	1.3	0.73	1.5	NA	0.79	80	6.6	< 0.14	0.15 J	0.34	6.9	0.25 J	6.4	3.0	4.6	0.18 J	2.1
IA-2	12/09/15	F	SU	8.66 h	2.0	0.21	2.8	NA	0.56	20	10	< 0.14	0.30	0.099	14	< 0.44	3.5	1.4	6.0	0.17 J	1.4
IA-3	12/09/15	F	SU	8.66 h	4.7	0.067 J	6.8	NA	0.47	5.5	23	< 0.14	0.78	< 0.090	32	< 0.44	1.6	0.52	7.8	0.20 J	1.5
IA-1-2	01/06/16	F	SU	8.17 h	1.1	0.82	0.44	NA	0.3	61	2.1	< 0.14	< 0.19	< 0.090	2.4	< 0.44	< 0.17	< 0.17	3.2 J	< 0.44	< 0.44

Notes:

[1] Indicate "F" for former or current dry-cleaning facility, "AD" for adjacent space, "R" for residence, "C" for commercial not adjacent space. If sample was taken outdoors, leave blank.

[2] Indicate "SU" for summa canister, "FC" for flux chambers, "T" for tedlar bags, "P" for passive samplers, "O" for other.

[3] Indicate "8h" for 8-hour, "24h" for 24-hour, "G" for grab sample, for other hours indicate the number of hours followed by "h" or "d" for days.

Table 5(1): Analytical Data for Indoor and Outdoor Air (User Specified Chemicals) **ADT 5(1)**

DSCA ID No.: DC320027

Sample ID	Sampling Date (mm/dd/yy)	Sample Location [2]	Sampling Method [3]	Sampling Duration [4]	Propylbenzene																
					[µg/m^3]																
AA-1	12/09/15		SU	8.5 h	< 0.44																
IA-1	12/09/15	F	SU	8.5 h	0.32 J																
IA-2	12/09/15	F	SU	8.66 h	0.22 J																
IA-3	12/09/15	F	SU	8.66 h	0.22 J																
IA-1-2	01/06/16	F	SU	8.17 h	0.18 J																

Notes:

[1] Indicate "F" for former or current dry-cleaning facility, "AD" for adjacent space, "R" for residence, "C" for commercial not adjacent space, "O" for outdoors.

[2] Indicate "SU" for standard summa canister, "SIM" for SIM summa canisters, "FC" for flux chambers, "T" for tedlar bags, "P" for passive samplers, "O" for other.

[3] Indicate "8h" for 8-hour, "24h" for 24-hour, "G" for grab sample, for other hours indicate the number of hours followed by "h" or "d" for days.

Table 5(2): Additional Data for Indoor and Outdoor Air **ADT 5(2)**

DSCA ID No.: DC320027

Is dry-cleaning facility at the site: ☐ Operating ☐ Pick-up Only ☑ Abandoned

If facility is operating, solvents used are: ☐ Perc ☐ Petroleum ☐ Green Earth ☐ Other

For the active or former dry-cleaning space, describe the type and location of the air handling/HVAC unit (for example - a shared unit supplying two adjacent spaces; unit located on the roof):

HVAC unit located on the roof of the former drycleaner, which supplies the entire building.

For any other indoor spaces tested, describe the type and location of the air handling/HVAC unit (for example - a shared unit supplying two adjacent spaces; unit located on the roof):

For any indoor air spaces tested, describe the current use of the space (for example - an ABC liquor store adjacent to the dry-cleaner, a residence approximately 200 feet from the dry-cleaner, etc.):

Former drycleaner is currently operating as a music studio (Sound Pure studio).

Attachment:

Sampling location map that indicates where all indoor air samples were collected. The map should clearly indicate the names/types of businesses and residence names sampled and in the vicinity of the subject site that may be of concern.

Table 5(3): Additional Data for Indoor and Outdoor Air **ADT 5(3)**

DSCA ID No.: DC320027

Sample ID	Name and Address for Sampling Location	Property Owner Name, Address, and Phone Number	Tenant Name, Address, and Phones Number
All Samples	Sound Pure Studio, 808 Washington Street, Durham, NC	Todd Atlas of Atlas Foster Real Estate,2409 Wrightwood Ave. Durham, NC 27701, 919-321-1538	Sound Pure Studio, 808 Washington Street, Durham, NC, 919-682-5552