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

Facility Name:	Exclusive Cleaners
	1513 Ward Boulevard, Wilson, NC
DSCA ID No.:	98-0004
Submittal Date:	6/28/2011
Prepared By:	Withers & Ravenel
	David P. Kwiatkowski, P.G.

Reporting Period: Aug-10 to Jun-10

Type of Report:

One-Time Event	☐	Quaterly	☐
Semi-Annual	☐	Annual	☑

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Report Summary **GWMR Form 1**

DSCA ID No.: 98-0004

Dates samples were collected:
8/19/10, 10/25/10, 10/26/10, 11/03/11, and 4/19/11

Number of existing monitoring wells: 18

List the sampled monitoring wells: MW-1D, MW-2I, MW-2S, MW-3, MW-4, MW-5, MW-6, MW-7 MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-23, MW-24, MW-25D

List the sampled water supply wells: N/A

List surface water samples collected: N/A

Date analyses were performed:
8/21/2010, 8/24/2010, 10/27/10, 10/28/10, 11/06/11, 4/22/11, 4/23/11

Were any holding times exceeded? ○ Yes ◉ No

Dates monitoring/supply wells were gauged:
8/19/2010, 10/25/10, 11/03/10, 4/19/11

Does investigation derived waste (IDW) generated during these activities still remain at the site pending disposal? ○ Yes ◉ No

Average depth to groundwater: 7.19

Groundwater flow direction: north

Was the static groundwater level above the top of the well screen in any wells? ◉ Yes ○ No

If Yes, indicate which wells: MW-1D, MW-2S, MW-2I, MW-3, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-23, MW-24, MW-25D

Is the aquifer: ○ Confined ◉ Unconfined ○ Perched

Were any existing monitoring wells damaged? ○ Yes ◉ No

If Yes, indicate which wells:

Has the groundwater plume been defined? ◉ Yes ○ No

Any ongoing assessment activities? ○ Yes ◉ No

If Yes, provide details in the space below:

Any ongoing remediation activites? ○ Yes ◉ No

If Yes, provide details in the space below:

Any significant changes in the subsurface conditions? ○ Yes ◉ No

If Yes, provide details in the space below:

Quality Assurance/Quality Control Procedures **GWMR Form 2**

DSCA ID No.: 98-0004

Describe the standard quality assurance/quality control (QA/QC) procedures which are practiced in order to ensure that the samples are representative of actual conditions and that analytical results are valid.

Prior to sampling, depth to water in the wells was measured utilizing a decontaminated electronic water level meter. The wells were then purged and representative groundwater samples were collected using a peristaltic pump and new disposable polyethylene tubing. The samples were collected into laboratory prepared method-appropriate containers for analysis of volatile organics by EPA Method 8260B and immediately placed in an ice-filled cooler, and transported under proper chain-of-custody to Environmental Science Corp. (ESC) in Mt. Juliet, Tennessee, an NC certified laboratory for analyses.

Describe the specific sampling technicque employed during the collection of all ground water samples.

The wells were purged at a steady, low-flow pumping rate in order to minimize turbulence and aeration. The wells were purged until parameters such as pH, temperature, specific conductance, dissolved oxygen, turbidity, and ORP stabilized. The parameters were measured periodically during purging using a Horiba U-10 meter. The samples were collected immediately after purging.

Describe the EPA approved methods used to extract and analyze the samples submitted the laboratory. Reference the maximum holding time for each type of analysis performed.

The samples taken were analyzed by EPA Method 8260B for volatile organics. The samples were placed in two 40mL VOA vials that were filled with no headspace. Samples were preserved in the field with HCl. The samples were submitted and analyzed within the procedure's holding time of 14 days.

Results, Conclusions and Recommendations **GWMR Form 3**

DSCA ID No.:

Results

Maximum Concentration Detected in Groundwater

Chemical	Most Recent Event			Detected at Site To-date		
	Sampling Date	Sample ID	Concentration [mg/L]	Sampling Date	Sample ID	Concentration [mg/L]
Tetrachloroethylene	4/19/2011	MW-2I	6.6	8/19/2010	MW-2I	7.8
Trichloroethylene	4/19/2011	MW-6	0.002	2/11/2010	MW-6	0.013
Vinyl Chloride	4/19/2011	All Wells	Not Detected	All Dates	All Wells	Not Detected
cis1,2-DCE	4/19/2011	All Wells	Not Detected	5/21/2009	MW-2S	0.014

Conclusions

Instructions: Discuss any trends or changes noted in analytical results.

SEE ATTACHED

Recommendations

SEE ATTACHED

DSCA 98-0004 Exclusive Cleaners

CONCLUSIONS & RECOMMENDATIONS

Based upon the soil sample analytical results, W&R concludes that impact to soil by the former Exclusive Cleaners facility has been delineated and minimal impact remains in the soil at the site (**Figure 1/2/3, Table 2**).

Based upon the quarterly groundwater sample analytical results W&R concludes the following:

- A total of seven groundwater monitoring events have been conducted at the site since May 2009.
- Groundwater flow direction at the site is predominantly to the north **(Figures 6A through 6G, Table 4).**
- The spatial relationship of the PCE concentrations identified in the groundwater at the site indicates the source area of PCE at the site is in the vicinity of MW-2I **(Figures 7A through 7G, Table 5).**
- Analytical results of the deep Type III well MW-25D indicates the impact to groundwater has been vertically delineated and the clay layers located below the site act as an effective barrier in limiting the vertical migration of contaminants at the site.
- Historic groundwater analytical results indicate that since the May 2009 sampling event, with the exception of the February 2010 sampling event, the PCE plume in groundwater has been horizontally delineated and located within the site property boundaries and Ward Boulevard right of way **(Figures 7A through 7G, Table 5).**
- The February 2010 sampling results indicated "low" levels of PCE in several of the perimeter monitoring wells (Figure 7C, Table 5). Based upon comparison of the PCE and concentrations and groundwater surface elevations, this condition coincides with the highest groundwater elevations observed during the seven monitoring events **(Table 2, Attachment 8).**
- The comparison of the historic PCE concentrations along the centerline of the PCE plume, with the exception of the February 2010 sampling event does not show migration of the plume in the down gradient direction **(Attachment 8).**
- W&R transformed the PCE data for each well into its base 10 log and ran the standard descriptive statistics in the attached spreadsheet. Except for an outlier for well MW-1D, the data are log normally distributed for the wells where PCE was detected more than once **(Table 12).**
- W&R also imported the data into ChemStat and ran some trend analyses (Mann-Kendall Trend Analysis and Sen's Slope Analysis). An upward trend of PCE concentrations was determined by both of these analyses for well MW-2I, which is also apparent in the concentration vs time plot. No upward trends were identified in the PCE data for the other wells, which is also consistent with the concentration vs time plots **(Attachments 8 and 18).**

- The relatively low PCE concentrations that occurred early on at MW-2I, and the subsequent higher concentrations are the reason statistical software identified the upward trend.
- The PCE plume in groundwater at the site has demonstrated stability in all wells except MW-2I which is located at the source area of the plume. The instability of PCE concentrations at the source area appears to be related to fluctuations of the water table causing migration of the "sorbed" phase to a dissolved phase.
- Historic analytical data shows the PCE plume is not growing (**Figures 7A through 7G**). Therefore, the source area concentrations, although apparently fluctuating with rise an fall of the water table, appear to be effectively attenuated by the aquifer to a degree that the extent of the plume is stable.

Based upon these conclusions, W&R recommends the following:

- Conduct a Tier 1/Tier 2 Risk Assessment for the site based upon the latest analytical data and preparation of a Risk Management Plan to move the site towards regulatory closure.

ATTACHMENT 1
Disposal of IDW Manifests

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NCR000140855	1	800-434-7750	007409320 JJK

GENERATOR

5. Generator's Name and Mailing Address
Petitioner for DSCA site #98-0004
NCDENR-DSCA, 401 Oberlin Rd., Suite 150
Raleigh, NC 27605 USA

Generator's Site Address (if different than mailing address)
Exclusive Cleaners (W&R) 1513 Ward Blvd.
Wilson, NC 27893 Site# 206

Generator's Phone: 919-469-3340

6. Transporter 1 Company Name: A&D Environmental Services, Inc.
U.S. EPA ID Number: NCD986232221

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Deerpark, L.P.
2027 Independence Parkway South
La Porte, TX 77571 USA
U.S. EPA ID Number: TXD055141378

Facility's Phone: 281-930-2300

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3082, Waste environmentally hazardous substance, liquid, n.o.s., (tetrachloroethylene), 9, PG III, ERG# 171	1	DM	100	P	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
9b.1) CH392211 (liquids) _____ x 55 gal.

A&D Job #: 63906 PO#:_____

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Petitioner for DSCA site #98-0004 Chris Tan
Signature
Month: 4 Day: 21 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tony Jeffries
Signature: Tony Jeffries
Month: 4 Day: 21 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NCR000140855	1	800-434-7750	007409122 JJK

GENERATOR

5. Generator's Name and Mailing Address
Petitioner for DSCA site # 98-0004
NCDENR-DSCA, 401 Oberlin Rd., Suite 150
Raleigh, NC 27605 USA
Generator's Phone: 919-469-3340

Generator's Site Address (if different than mailing address)
Exclusive Cleaners (W&R) 1513 Ward Blvd.
Wilson, NC 27893 Slaw# 006

6. Transporter 1 Company Name: A&D Environmental Services, Inc.
U.S. EPA ID Number: NCD986232221

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors Deerpark, L.P.
2027 Independence Parkway South
La Porte, TX 77571 USA
Facility's Phone: 281-930-2300
U.S. EPA ID Number: TXD055141378

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3082, Waste environmentally hazardous substance, liquid, n.o.s., (tetrachloroethylene), 9, PG III, ERG# 171	4	DM	1200	P	F002
X	2. UN3077, Waste environmentally hazardous substance, solid, n.o.s., (tetrachloroethylene), 9, PG III, ERG# 171	11	DM	4600	P	F002
	3.					
	4.					

14. Special Handling Instructions and Additional Information
9b.1) CH392211(liquids) 4 x 55-gal. 2) CH392220(solids) 11 x 55-gal
A&D Job#: 62155 PO #: 13825

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Wesley Perry on behalf of Petitioner 98-004 DSCA
Signature: Wesley Perry
Month: 10 Day: 27 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tony Jeffries
Signature: Tony Jeffries
Month: 10 Day: 27 Year: 10
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NCR000140855

2. Page 1 of: 1

3. Emergency Response Phone: 919-852-3595

4. Manifest Tracking Number: 001786983 FLE

5. Generator's Name and Mailing Address:
[illegible]
Raleigh, NC 27603
Generator's Phone: 919-489-3390

Generator's Site Address (if different than mailing address):
[illegible]
1913 [illegible] Blvd.
Wilson, NC 27893

6. Transporter 1 Company Name: Environmental & Industrial Services of Vermont, Inc.
U.S. EPA ID Number: NYR000115733

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Ecoflo, Inc.
2750 So. Patterson St.
Greensboro, NC 27407
Facility's Phone: 336-855-7925
U.S. EPA ID Number: NCD980842132

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. RQ Hazardous Waste Liquid, N.O.S. (Trichloroethylene), 9, NA3082, III	1	DM	30	G	D039 F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
[illegible] HMP-001 ([illegible] 55 gal.) [illegible]
Job # 11-3255 PO# 346901

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: | Signature: [signature] | Month | Day | Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] | Signature: [signature] | Month 7 | Day 20 | Year 10
Transporter 2 Printed/Typed Name: | Signature: | Month | Day | Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] | Signature: [signature] | Month 7 | Day 20 | Year 10

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

ATTACHMENT 2
Analytical Data Tables

Analytical Data Tables
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	Exclusive Cleaners
	1513 Ward Blvd., Wilson, NC
DSCA ID No.:	DSCA # 098-0004
Submittal Date:	6/28/2011
Prepared By:	Withers & Ravenel
	David P. Kwiatkowski, P.G.

Table of Contents		ADT TOC
DSCA ID No.:	**98-0004**	
Table/ Att. No.	**Description**	**Check box if included**
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Table 2	Analytical Data for Soil	x
Table 3	Monitoring Well Construction Data	x
Table 4	Groundwater Elevation Data	x
Table 5	Analytical Data for Groundwater	x
Table 6	Analytical Data for Surface Water	
Table 7	Water Well(s) Survey Data	
Table 8	Analytical Data for Water Supply Well(s)	
Table 9	Analytical Data for Natural Attenuation Parameters	
Table 10	Analytical Data for Sub-Slab Gas	x
Table 11	Analytical Data for Indoor Air	x
Table 12	Summary of Statistical Evaluation of Historic Groundwater PCE Analytical Results	x
	Attachments	
Att. 1	Site map showing location(s) of soil boring(s).	x
Att. 2	Soil contaminant concentration maps showing the concentration at each sampling point.	x
Att. 3	Soil isoconcentration maps.	x
Att. 4	Site map showing location(s) of monitoring well(s).	x
Att. 5	Well completion diagrams and records of construction submitted to state.	x
Att. 6	Groundwater gradient map for each sampling event.	x
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.	x
Att. 8	Groundwater concentration trend plots.	x
Att. 9	Map showing location(s) of surface water sample(s) (if applicable).	
Att. 10	Surface water concentratin map showing the concentration at each sampling point (if applicable).	
Att. 11	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site (if applicable).	x
Att. 12	Signed laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation (only if not previously	x
Att. 13	Site map showing location(s) of monitoring well(s) for natural attenuation parameters.	
Att. 14	Sub-slab gas and indoor air analytical results map.	x
Att. 15	Area geologic maps/relevant cross sections	x
Att. 16	Vicinity map	x
Att. 17	DSCA Indoor Air Risk Calculation Results	x
Att. 18	ChemStat PCE Trend Analysis	x
Att. 19		
Att. 20		

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.:	**098-0004**
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 repor
1995	According to the 1995 "Preliminary Summary of Phase II Investigation" report completed by Withers & Ravenel (W&R), three shallow Type II monitoring wells (LW-1 through LW-3) were installed and sampled along the sanitary sewer from the building (LW-1 & LW-2) and north of the building (LW-3). Depth to groundwater was gauged at approximately 5 to 6 feet bls. Tetrachloroethene (PCE) and trichloroethene (TCE) concentrations were detected in LW-2 at 133 ug/L and 1.2 ug/L, respectively
Feb-00	A "Report of Environmental Services" was completed in February 2000 by ECS, Ltd (ECS). According to the report, ten soil borings (GP-1 through GP-10) were advanced to the top of the water table, which was observed to be approximately 5 feet bls. Analytical results indicated no chlorinated solvents were detected in the samples, but low levels of petroleum-type analytes were detected. Six of the ten soil borings were advanced beyond the water table with groundwater samples collected for analysis. Analytical results from all six groundwater samples were below laboratory detection limits for all targeted compounds. Monitoring wells LW-1, LW-2, and LW-3 were abandoned in preparation for the construction of the new building
May-00	A "Report of Additional Soil Assessment" was completed by ECS in May 2000. According to the report, nine soil borings (HA-1 through HA-9) were advanced and sampled from beneath the concrete floor inside the former dry cleaning facility and two adjacent suites located to the south. Analytical results indicated one soil sample (HA-5) contained a PCE concentration of 0.005 mg/kg, which is below the DSCA "Draft Soil Concentrations Protective of Groundwater" (CPGs) of 0.0342 mg/kg and the proposed Tier I "Subsurface Soil Indoor Inhalation Protective of Non-Residential Worker" concentration of 0.0492 mg/kg
Aug-00	According the August 2000 "Report of Impacted Soil Removal" completed by ECS, PCE impacted soil in the vicinity of the drain lines associated with the former dry cleaning facility were excavated after the building was razed. The excavation was extended to a depth of approximately 4 feet bls, just above the water table which had been documented to be approximately 5 feet bls. Post excavation confirmatory sampling results indicated that the PCE impact had been successfully remediated to the perimeter of the excavation. A few of the soil samples collected from the center at the base of the excavation indicated PCE impact remained at a depth greater than four feet bls. Since the depth of excavation was essentially to the groundwater surface, this likely represents impact to groundwater and not soil
May-07	W&R completed a Prioritization Assessment Report (PAR) for the site in May 2007. The assessment included a receptor survey and installation and sampling of four Type II monitoring wells (MW-1 through MW-4). No potential receptors were identified at the site or within 1,500 feet of the site. Groundwater analytical results of samples collected from the monitoring wells at the site indicate that the groundwater has been impacted by PCE and PCE daughter compounds at concentrations above 2L Standards. The horizontal extent of PCE impact in the surficial aquifer had not been delineated to 2L Standards
May-09	W&R advanced four downgradient wells to delineate the horizontal impact from chlorinated solvents. All wells on site were sampled and sent to a laboratory for analysis by EPA Method 8260B. PCE was detected in 7 wells above the NCAC 2L Standards, including a Type III deep groundwater monitoring well, indicating the confined aquifer has also been impacted.
Nov-09	W&R installed two downgradient wells to delineate horizontal impact from chlorinated solvents. All wells on site were sampled and sent to a laboratory for analysis by EPA Method 8260B. PCE was detected in 6 wells above the NCAC 2L standard. Indoor air and sub slab gas assessment activites were also conducted inside the movie theater located over the building footprint of the former dry cleaners. PCE was detected above IHSB Standards for sub slab gas. DSCA Risk Assessor evaluation of indoor air results indicated indoor air levels acceptable and no further action required at this time.
Feb-10	W&R conducted the second of four quarterly groundwater sampling events. Analytical results showed chlorinated ethene compounds PCE, TCE, and cis-1,2-DCE. Increased concentrations of PCE in several monitoring wells including several perimeter wells that previously show the plume delineated. This increase in levels correlates to a period of higher precipitation and increased groundwater elevation
May-10	W&R conducted the third of four quarterly groundwater sampling events. Analytical results showed chlorinated ethene compounds PCE, TCE, and cis-1,2-DCE. Results indicate PCE plume is delineated, the source is in the vicinity of MW-2I and the sanitary and storm sewer may be contributing to the migration of the impact to groundwater.
Jun-10	W&R completed an Assessment Report for the site. Assessment activities included groundwater sampling on all wells both onsite and on adjacent properties. Results indicate PCE plume is now delineated horizontally, the source is in the vicinity of MW-2I and the sanitary and storm sewer may be contributing to the migration of the impact to groundwater. Slight PCE impacts identified in the deep well MW-1D
Aug-10	W&R conducted the fourth of four quarterly groundwater sampling events. Analytical results showed chlorinated ethene compounds PCE, TCE, and cis-1,2-DCE. Results indicate PCE plume is now delineated, the source is in the vicinity of MW-2I and the sanitary and storm sewer may be contributing to the migration of the impact to groundwater. Slight PCE impacts identified in the deep well MW-1D
Oct-10	W&R installed one Type III monitoring well (MW-25D) adjacent to MW-1 downgradient of the source area and conducted a semi-annual groundwater monitoring even on a reduced number of wells. Analytical results indicated delineation of the PCE plume both vertically and horizontally.
April-11	W&R conducted the second semi-annual groundwater monitoring even on a reduced number of wells. Analytical results indicated delineation of the PCE plume both vertically and horizontally.

Table 2: Analytical Data for Soil **ADT 2**

DSCA ID No.: 98-0004

Sample ID	Depth [feet bgs]	Total Depth [feet bgs]	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethanae	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
				mg/kg																		
WR-11	4-6	6	6/11/2007	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.0053	<.001	<.001	<.001	<.0053	<.001	<.001	<.001	<.001	<.001	<.0032
WR-12	2-4	4	6/11/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0054	<.0011	<.0011	<.0011	<.0054	<.0011	<.0054	<.0011	<.0011	<.0011	<.0032
WR-13	2-4	4	6/11/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0053	<.0011	<.0011	<.0011	<.0053	<.0011	<.0053	<.0011	<.0011	<.0011	<.0032
WR-14	2-4	4	6/11/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0056	<.0011	<.0011	<.0011	<.0056	<.0011	<.0056	<.0011	<.0011	<.0011	<.0034
WR-15	5-7	7	6/11/2007	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.0053	<.001	<.001	<.001	<.0053	<.001	<.0053	<.001	<.001	<.001	<.0032
WR-16	2-4	4	6/11/2007	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0061	<.0012	<.0012	<.0012	<.0061	<.0012	<.0061	<.0012	<.0012	<.0012	<.0036
WR-17	10-12	12	6/11/2007	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.006	<.0012	<.0012	<.0012	<.006	<.0012	<.006	<.0012	<.0012	<.0012	<.0036
WR-18	8-10	10	6/11/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0055	<.0011	<.0011	<.0011	<.0055	<.0011	<.0055	<.0011	<.0011	<.0011	<.0033
WR-19	7-10	10	6/11/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0056	<.0011	<.0011	<.0011	<.0056	<.0011	<.0056	<.0011	<.0011	<.0011	<.0033
WR-20	8-10	10	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0055	<.0011	<.0011	<.0011	<.0055	<.0011	<.0055	<.0011	<.0011	<.0011	<.0033
WR-21	13-15	15	6/12/2007	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0058	<.0012	<.0012	<.0012	<.0058	<.0012	<.0058	<.0012	<.0012	<.0012	<.0034
WR-22	8-10	10	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0055	<.0011	<.0011	<.0011	<.0055	<.0011	**0.0055**	<.0011	<.0011	<.0011	<.0033
WR-23	10-12	12	6/12/2007	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0062	<.0012	<.0012	<.0012	<.0062	**0.065**	<.0062	<.0012	**0.0022**	<.0012	<.0036
WR-24	10-12	12	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0056	<.0011	<.0011	<.0011	<.0056	<.0011	<.0056	<.0011	<.0011	<.0011	<.0034
WR-25	10-12	12	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0054	<.0011	<.0011	<.0011	<.0054	<.0011	<.0054	<.0011	<.0011	<.0011	<.0032
WR-26	10-12	12	6/12/2007	<.0013	<.0013	<.0013	<.0013	<.0013	<.0013	<.0013	<.0013	<.0063	<.0013	<.0013	<.0013	<.0063	<.0013	<.0063	<.0013	<.0013	<.0013	<.0038
WR-27	8-10	10	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0054	<.0011	<.0011	<.0011	<.0054	<.0011	<.0054	<.0011	<.0011	<.0011	<.0032
WR-28	8-10	10	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0057	<.0011	<.0011	<.0011	<.0057	<.0011	<.0057	<.0011	<.0011	<.0011	<.0034
WR-29	5-7	7	6/12/2007	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.0012	<.006	<.0012	<.0012	<.0012	<.006	<.0012	<.006	<.0012	<.0012	<.0012	<.0036
WR-30	5-7	7	6/12/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0054	<.0011	<.0011	<.0011	<.0054	<.0011	<.0054	<.0011	<.0011	<.0011	<.0033
WR-31	5-7	7	6/13/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0054	<.0011	<.0011	<.0011	<.0054	<.0011	<.0054	<.0011	<.0011	<.0011	<.0033
WR-34	2-4	4	6/13/2007	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0011	<.0055	<.0011	<.0011	<.0011	<.0055	<.0011	<.0055	<.0011	<.0011	<.0011	<.0033

Table 3: Monitoring Well Construction Data **ADT 3**

DSCA ID No.: 98-0004

Well ID	Date Installed (mm/dd/yy)	Number of Samples	Well Depth [feet]	Well Diameter [inch]	Screen Interval [feet]	Status (Active/Inactive)
MW-1D	7/11/07	7	35	2	30-35	Active
MW-2S	7/11/07	6	20	2	10-20	Active
MW-2I	7/11/07	7	38	2	28-38	Active
MW-3	7/11/07	7	18	2	8-18	Active
MW-4	7/11/07	6	18	2	8-18	Active
MW-5	7/11/07	6	20	2	10-20	Active
MW-6	7/11/07	6	18	2	8-18	Active
MW-7	7/11/07	7	18	2	8-18	Active
MW-8	7/11/07	6	15	2	5-15	Active
MW-9	7/11/07	7	15	2	5-15	Active
MW-10	5/18/09	6	22	2	12-22	Active
MW-11	5/18/09	5	30	2	20-30	Active
MW-12	5/19/09	5	23	2	13-23	Active
MW-13	5/19/09	6	23	2	13-23	Active
MW-14	5/19/09	6	25	2	15-25	Active
MW-23	11/9/09	4	25	2	15 - 25'	Active
MW-24	11/9/09	4	23	2	13 - 23'	Active
MW-25D	10/26/10	1	65	2	60 - 65'	Active

Table 4: Groundwater Elevation Data ADT 4

DSCA ID No.: 098-0004

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-1D	7/25/07	103.63	6.37	97.26	NA	NA	NA
	5/20/09	103.63	4.71	98.92	NA	NA	NA
	11/9/09	103.63	6.44	97.19	NA	NA	NA
	2/9/10	103.63	NA	NA	NA	NA	NA
	5/19/10	103.63	4.87	98.76	NA	NA	NA
	8/19/10	103.63	5.62	98.01	NA	NA	NA
	10/25/10	103.63	4.97	98.66	NA	NA	NA
	4/18/11	103.63	4.56	99.07	NA	NA	NA
MW-2S	7/25/07	110.35	10.20	100.15	NA	NA	NA
	5/20/09	110.35	8.82	101.53	NA	NA	NA
	11/9/09	110.35	9.87	100.48	NA	NA	NA
	2/9/10	110.35	8.05	102.3	NA	NA	NA
	5/19/10	110.35	8.68	101.67	NA	NA	NA
	8/19/10	110.35	8.99	101.36	NA	NA	NA
	10/25/10	110.35	9.19	101.16	NA	NA	NA
	4/18/11	110.35	8.89	101.46	NA	NA	NA
MW-2I	7/25/07	110.57	13.30	97.27	NA	NA	NA
	5/20/09	110.57	11.58	98.99	NA	NA	NA
	11/9/09	110.57	13.35	97.22	NA	NA	NA
	2/9/10	110.57	11.21	99.36	NA	NA	NA
	5/19/10	110.57	11.84	98.73	NA	NA	NA
	8/19/10	110.57	12.79	97.78	NA	NA	NA
	10/25/10	110.57	11.92	98.65	NA	NA	NA
	4/18/11	110.57	11.45	99.12	NA	NA	NA
MW-3	7/25/07	105.11	4.42	100.69	NA	NA	NA
	5/20/09	105.11	3.19	101.92	NA	NA	NA
	11/9/09	105.11	4.21	100.9	NA	NA	NA
	2/9/10	105.11	2.95	102.16	NA	NA	NA
	5/19/10	105.11	3.16	101.95	NA	NA	NA
	8/19/10	105.11	2.30	102.81	NA	NA	NA
	10/25/10	105.11	3.32	101.79	NA	NA	NA
	4/18/11	105.11	4.06	101.05	NA	NA	NA
MW-4	7/25/07	101.02	5.34	95.677	NA	NA	NA
	5/20/09	101.02	4.78	96.24	NA	NA	NA
	11/9/09	101.02	5.07	95.95	NA	NA	NA
	2/9/10	101.03	6.23	94.8	NA	NA	NA
	5/19/10	101.03	6.82	94.21	NA	NA	NA
	8/19/10	101.03	4.61	96.42	NA	NA	NA
	10/25/10	101.03	4.82	96.21	NA	NA	NA
	4/18/11	101.03	4.43	96.6	NA	NA	NA
MW-5	7/25/07	103.29	6.96	96.33	NA	NA	NA
	5/20/09	103.29	6.21	97.08	NA	NA	NA
	11/9/09	103.29	6.55	96.74	NA	NA	NA
	2/9/10	103.30	6.39	96.91	NA	NA	NA
	5/19/10	103.30	6.98	96.32	NA	NA	NA
	8/19/10	103.30	5.95	97.35	NA	NA	NA
	10/25/10	103.30	6.24	97.06	NA	NA	NA
	4/18/11	103.30	5.79	97.51	NA	NA	NA
MW-6	7/25/07	99.96	5.27	94.69	NA	NA	NA
	5/20/09	99.96	5.32	94.64	NA	NA	NA
	11/9/09	99.96	4.98	94.98	NA	NA	NA
	2/9/10	99.96	3.92	96.04	NA	NA	NA
	5/19/10	99.96	4.52	95.44	NA	NA	NA
	8/19/10	99.96	4.63	95.33	NA	NA	NA
	10/25/10	99.96	4.76	95.2	NA	NA	NA
	4/18/11	99.96	4.72	95.24	NA	NA	NA
MW-7	7/25/07	102.44	7.70	94.74	NA	NA	NA
	5/20/09	102.44	7.07	95.37	NA	NA	NA
	11/9/09	102.44	7.40	95.04	NA	NA	NA
	2/9/10	102.44	5.97	96.47	NA	NA	NA
	5/19/10	102.44	6.57	95.87	NA	NA	NA
	8/19/10	102.44	6.94	95.5	NA	NA	NA
	10/25/10	102.44	7.09	95.35	NA	NA	NA
	4/18/11	102.44	6.71	95.73	NA	NA	NA

MW-8	7/25/07	108.15	7.62	100.53	NA	NA	NA
	5/20/09	108.15	6.21	101.94	NA	NA	NA
	11/9/09	108.15	7.35	100.8	NA	NA	NA
	2/9/10	108.15	5.37	102.78	NA	NA	NA
	5/19/10	108.15	5.89	102.26	NA	NA	NA
	8/19/10	108.15	5.80	102.35	NA	NA	NA
	10/25/10	108.15	6.52	101.63	NA	NA	NA
	4/18/11	108.15	6.44	101.71	NA	NA	NA
MW-9	7/25/07	105.39	5.13	100.26	NA	NA	NA
	5/20/09	105.39	3.85	101.54	NA	NA	NA
	11/9/09	105.39	4.91	100.48	NA	NA	NA
	2/9/10	105.39	3.06	102.33	NA	NA	NA
	5/19/10	105.39	3.54	101.85	NA	NA	NA
	8/19/10	105.39	3.93	101.46	NA	NA	NA
	10/25/10	105.39	4.18	101.21	NA	NA	NA
	4/18/11	105.39	4.19	101.20	NA	NA	NA
MW-10	5/20/09	99.35	9.66	89.69	NA	NA	NA
	11/9/09	99.35	7.95	91.4	NA	NA	NA
	2/9/10	99.35	6.93	92.42	NA	NA	NA
	5/19/10	99.35	7.13	92.22	NA	NA	NA
	8/19/10	99.35	7.61	91.74	NA	NA	NA
	10/25/10	99.35	7.29	92.06	NA	NA	NA
	4/18/11	99.35	8.94	90.41	NA	NA	NA
MW-11	5/20/09	111.76	9.19	102.57	NA	NA	NA
	11/9/09	111.76	11.23	100.53	NA	NA	NA
	2/9/10	111.76	9.66	102.1	NA	NA	NA
	5/19/10	111.76	10.20	101.56	NA	NA	NA
	8/19/10	111.76	10.28	101.48	NA	NA	NA
	10/25/10	111.76	10.42	101.34	NA	NA	NA
	4/18/11	111.76	10.35	101.41	NA	NA	NA
MW-12	5/20/09	100.29	NA	NA	NA	NA	NA
	11/9/09	100.29	9.14	91.15	NA	NA	NA
	2/9/10	100.29	6.41	93.88	NA	NA	NA
	5/19/10	100.29	7.02	93.27	NA	NA	NA
	8/19/10	100.29	9.15	91.14	NA	NA	NA
	10/25/10	100.29	9.08	91.21	NA	NA	NA
	4/18/11	100.29	8.36	91.93	NA	NA	NA
MW-13	5/20/09	102.14	5.63	96.51	NA	NA	NA
	11/9/09	102.14	6.92	95.22	NA	NA	NA
	2/9/10	102.14	5.32	96.82	NA	NA	NA
	5/19/10	102.14	5.91	96.23	NA	NA	NA
	8/19/10	102.14	7.05	95.09	NA	NA	NA
	10/25/10	102.14	5.99	96.15	NA	NA	NA
	4/18/11	102.14	5.91	96.23	NA	NA	NA
MW-14	5/20/09	104.47	6.12	98.35	NA	NA	NA
	11/9/09	104.47	6.09	98.38	NA	NA	NA
	2/9/10	104.47	4.02	100.45	NA	NA	NA
	5/19/10	104.47	4.93	99.54	NA	NA	NA
	8/19/10	104.47	5.70	98.77	NA	NA	NA
	10/25/10	104.47	4.86	99.61	NA	NA	NA
	4/18/11	104.47	5.37	99.10	NA	NA	NA
MW-23	11/9/09	98.05	NA	NA	NA	NA	NA
	2/9/10	98.05	5.48	92.57	NA	NA	NA
	5/19/10	98.05	5.44	92.61	NA	NA	NA
	8/19/10	98.05	6.38	91.67	NA	NA	NA
	10/25/10	98.05	5.35	92.7	NA	NA	NA
	4/18/11	98.05	5.86	92.19	NA	NA	NA
MW-24	11/9/09	102.64	NA	NA	NA	NA	NA
	2/9/10	102.64	NA	NA	NA	NA	NA
	5/19/10	102.64	9.58	93.06	NA	NA	NA
	8/19/10	102.64	10.10	92.54	NA	NA	NA
	10/25/10	102.64	10.17	92.47	NA	NA	NA
	4/18/11	102.64	9.38	93.26	NA	NA	NA
MW-25D	11/9/09	Not Surveyed	22.42		NA	NA	NA
	4/18/11	Not Surveyed	4.66		NA	NA	NA

Table 5: Analytical Data for Groundwater — **ADT 5**

DSCA ID No.: 098-0004

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethanae	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]																			
MW-1D	7/18/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	<0.00025	<0.00015	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.0031**	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.0049**	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.021**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	**0.0042**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	**0.005**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/25/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	**0.0034**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	**0.0046**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-2I	7/13/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	**0.03**	<0.00015	<0.00015	**0.00031J**	<0.00015	<.00021
	5/19/09	<0.001	<0.001	<0.001	<0.001	**0.0032**	<0.001	<0.001	NA	<0.001	<0.005	**0.0025**	<0.001	<0.001	<0.005	**5.4**	<0.005	<0.001	**0.0039**	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	**0.0034**	<0.001	<0.001	NA	<0.001	<0.005	**0.002**	<0.001	<0.001	<0.005	**0.95**	<0.005	<0.001	**0.0033**	<0.001	<.003
	2/11/10	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NA	<0.020	<0.10	<0.020	<0.020	<0.020	<0.10	**1.6**	<0.10	<0.020	<0.020	<0.020	<0.060
	5/19/10	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NA	<0.020	<0.10	<0.020	<0.020	<0.020	<0.10	**5.6**	<0.10	<0.020	<0.020	<0.020	<0.060
	8/19/10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.25	<0.050	<0.050	<0.050	<0.25	**7.8**	<0.25	<0.050	<0.050	<0.050	<0.15
	10/26/10	<0.0010	<0.0010	<0.0010	<0.0010	**0.0023**	<0.0010	<0.0010	NA	<0.0010	<0.0050	**0.0026**	<0.0010	<0.0010	<0.0050	**6.3**	<0.0050	<0.0010	**0.0036**	<0.0010	<0.0030
	4/19/11	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.250	<0.050	<0.050	<0.050	<0.250	**6.6**	<0.250	<0.050	<0.050	<0.050	<0.150
MW-2S	7/13/07	<.0024	<.0027	<.0024	<0.0009	<0.0014	<.0036	<0.0012	NA	<.0038	<0.0016	**0.0042J**	<0.0017	<0.001	<.0025	**0.426**	<0.0015	<0.0015	<.0023	<0.0015	<.0021
	5/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.014**	<0.001	<0.001	<0.005	**0.31**	<0.005	<0.001	**0.0051**	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.0034**	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	**0.0064**	<0.001	<0.001	<0.001	**1**	<0.001	<0.001	**0.0069**	<0.001	<0.0030
	5/19/10	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.010	<0.0020	<0.0020	<0.0020	<0.010	**0.041**	<0.010	<0.0020	<0.0020	<0.0020	<0.0060
	8/19/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.0011**	<0.001	<0.001	<0.005	**0.01**	<0.005	<0.001		<0.001	<0.003
MW-3	7/17/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	<0.00025	**0.00032J**	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/25/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-4	7/17/07	<0.0048	<0.0054	<.0048	<0.0018	<.0028	<.0072	<.0024	NA	<.0076	<.0032	<.0028	<.0034	<.002	<0.005	**0.900**	<.003	<.002	<.0046	<.003	<.0042
	5/19/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.0052**	<0.001	<0.001	<0.005	**0.76**	<0.005	<0.001	**0.0064**	<0.001	<.003
	11/10/09	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025	<0.12	<0.025	<0.025	<0.025	<0.12	**2.2**	<0.12	<0.025	<0.025	<0.025	<0.075
	2/11/10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.25	<0.050	<0.050	<0.050	<0.25	**0.9**	<0.25	<0.050	<0.050	<0.050	<0.15
	5/19/10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010	<0.050	**0.011**	<0.010	<0.010	<0.050	**1.1**	<0.050	<0.010	**0.011**	<0.010	<0.030
	8/19/10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010	<0.050	<0.001	<0.010	<0.010	<0.050	**0.051**	<0.050	<0.010	<0.001	<0.010	<0.030
MW-5	7/13/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	<0.00025	**0.00036J**	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030

Table 5: Analytical Data for Groundwater — **ADT 5**

DSCA ID No.: 098-0004

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethanae	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]																			
MW-6	7/13/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	**0.015**	<0.00015	<0.00015	**0.00043J**	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.088**	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.27**	<0.005	<0.001	**0.0021**	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.025	**0.011**	<0.001	<0.001	<0.025	**1.8**	<0.025	<0.001	**0.013**	<0.001	<0.015
	5/19/10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	<0.0050	<0.025	<0.0050	<0.0050	<0.0050	<0.025	**0.21**	<0.025	<0.0050	<0.0050	<0.0050	<0.015
	8/19/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.001**	<0.001	<0.001	<0.005	**0.21**	<0.005	<0.001	**0.001**	<0.001	<.003
	10/25/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	**0.0011**	<0.0010	<0.0010	<0.0050	**0.24**	<0.0050	<0.0010	**0.0018**	<0.0010	<0.0030
	4/19/11	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.010	<0.0020	<0.0020	<0.0020	<0.010	**0.32**	<0.010	<0.0020	**0.002**	<0.0020	<0.0060
MW-7	7/17/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	<0.00016	<0.00014	<0.00017	<0.0001	<0.00025	**0.00053J**	<0.00015	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/25/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-8	7/17/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	**0.00041J**	<0.00014	<0.00017	<0.0001	<0.00025	**0.00033J**	<0.00015	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0023**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-9	7/17/07	<0.00024	<0.00027	<0.00024	<0.00009	<0.00014	<0.00036	<0.00012	NA	<0.00038	**0.00074J**	<0.00014	<0.00017	<0.0001	<0.00025	**0.0011**	<0.00015	<0.00015	<.00023	<0.00015	<.00021
	5/18/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0025**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/26/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-10	5/19/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	**0.0024**	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/10/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/26/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-11	5/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.0012**	<0.001	<0.001	<0.005	**0.0064**	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	**0.0014**	<0.001	<0.001	<0.005	**0.0077**	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	**0.0078**	<0.001	<0.001	<0.001	**1**	<0.001	<0.001	**0.0076**	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	**0.001**	<0.0010	<0.0010	<0.0050	**0.004**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	**0.0036**	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030

Table 5: Analytical Data for Groundwater **ADT 5**

DSCA ID No.: 098-0004

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethanae	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]																			
MW-12	5/19/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0017**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-13	5/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0018**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/26/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-14	5/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/11/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0019**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	10/26/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-23	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/10/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-24	11/10/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<.003
	2/10/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0018**	<0.001	<0.001	<0.001	<0.001	<0.0030
	5/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	8/19/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
MW-25D	11/3/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	**0.011**	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
	4/19/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	**0.01**	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0030
2 L Standard		***0.2***	***0.2***	***0.0006***	***0.006***	***0.007***	***0.0004***	***0.001***	***0.000005***	***0.0003***	***0.07***	***0.07***	***0.6***	***0.02***	***0.006***	***0.0007***	***0.6***	***0.1***	***0.003***	***0.00003***	***0.5***

Table 10: Analytical Data for Sub-slab Gas

ADT 10

DSCA ID No.: 98-0004

Sample ID	Sampling Date (mm/dd/yy)	Benzene	Chloroform	cis-1,2-Dichloroethylene	Tetrachloroethylene	Toluene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)
Slab-1	11/12/09	**0.0036**	**0.018**	**0.027**	**0.51**	<0.0038	**0.027**	<0.0026	<0.0044
Slab-2	11/12/09	<0.0032	**0.0088**	<0.0040	<0.0069	**0.0067**	<0.0054	<0.0026	**0.0065**
IHSB For Indoor Air		**0.016**	**0.0053**	**NA**	**0.021**	**44**	**0.061**	**0.028**	**6.2**

Table 11: Analytical Data for Indoor Air

ADT 11

DSCA ID No.: 98-0004

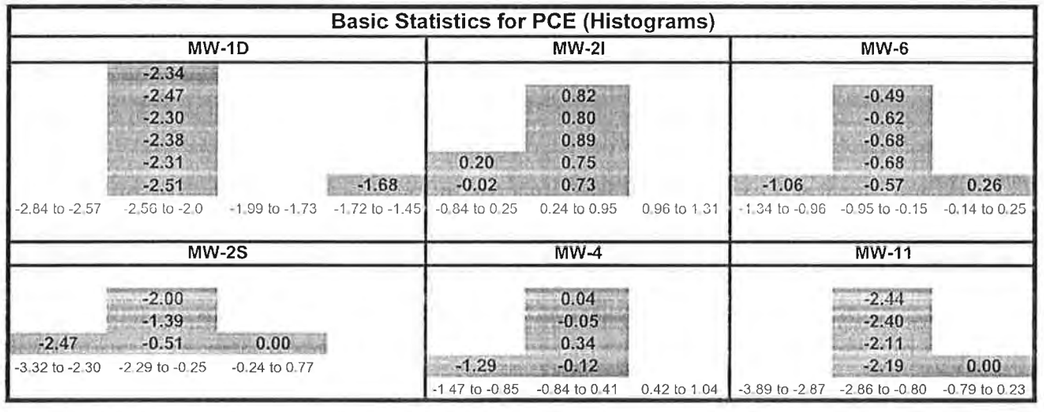
Sample ID	Sampling Date (mm/dd/yy)	1,2-Dichloroethane (EDC)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	Calculated Cumulative Risk	Calculated Cumulative HI
		(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)	(mg/m^3)		(mg/m^3)
Indoor-1	11/10/09	**0.00022**	**0.00094**	<0.00013	**0.00041**	**0.00039**	**0.0025**	<0.00064	<0.00017	**0.00019**	**0.00166**	**1.41E-06**	**0.01**
Indoor-2	11/10/09	**0.00028**	**0.00080**	<0.00012	**0.0013**	**0.00035**	**0.0054**	<0.00063	<0.00017	**0.00014**	**0.00376**	**1.59E-06**	**0.02000**
Indoor-3	11/10/09	<0.00012	**0.00064**	<0.00012	**0.00022**	<0.00021	**0.0012**	<0.00061	<0.00017	<0.000040	**0.00075**		

TABLE 12
SUMMARY OF STATISTICAL EVALUATION OF HISTORIC GROUND WATER PCE ANALYTICAL RESULTS
DSCA # 098-0004, Exclusive Cleaners, Wilson, Wilson, County

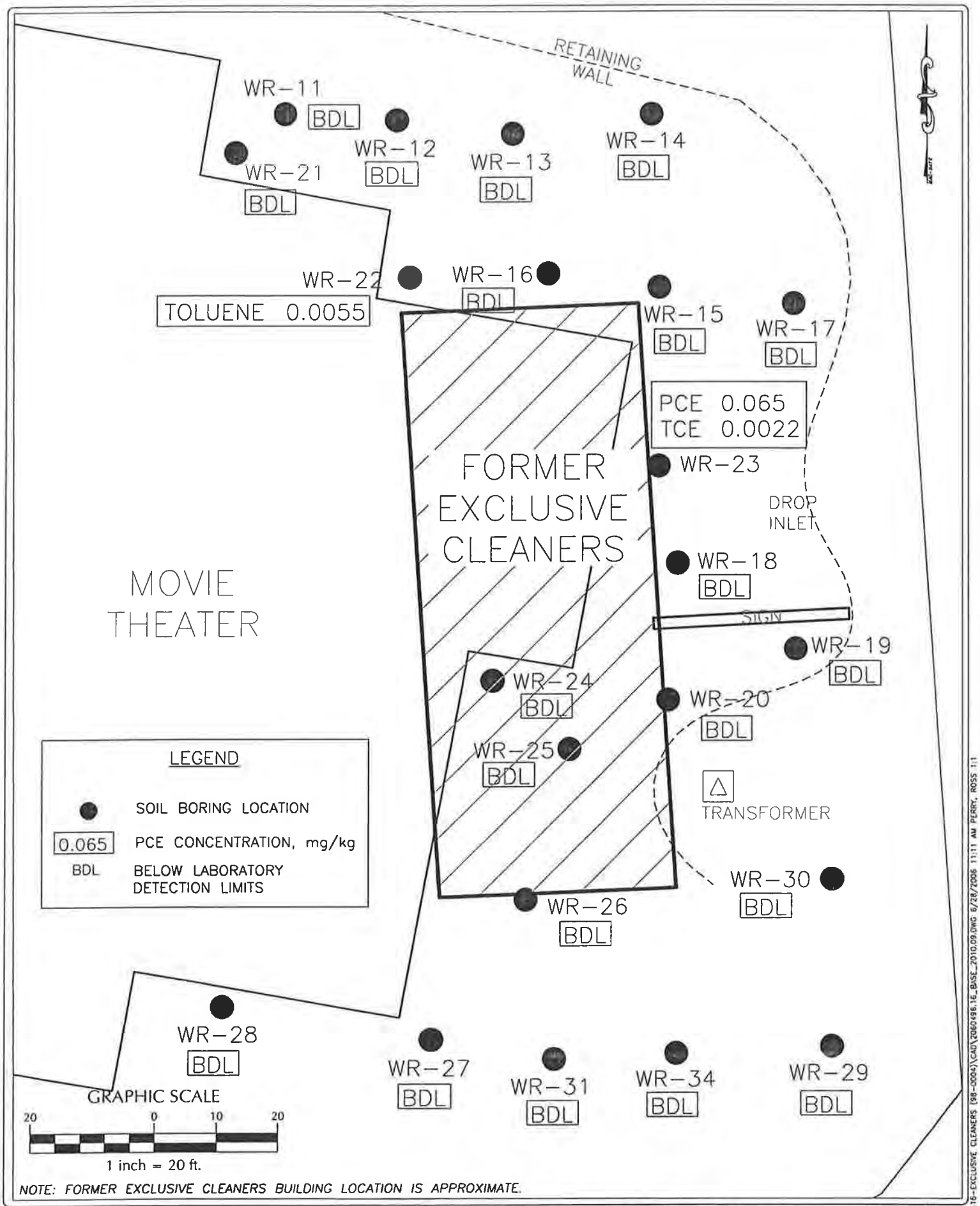
Sample	MW-1D		MW-2S		MW-2I		MW-4		MW-6		MW-11	
Date	PCE (mg/L)	Log PCE	PCE (mg/L)	Log PCE	PCE (mg/L)	Log PCE	PCE (mg/L)	Log PCE	PCE (mg/L)	Log PCE	PCE (mg/L)	Log PCE
5/19/09	0.0031	-2.51	0.31	-0.51	5.4	0.73	0.76	-0.12	0.088	-1.06	0.0064	-2.19
11/10/09	0.0049	-2.31	0.0034	-2.47	0.95	-0.02	2.2	0.34	0.27	-0.57	0.0077	-2.11
2/11/10	0.021	-1.68	1	0.00	1.6	0.20	0.9	-0.05	1.8	0.26	1	0.00
5/19/10	0.0042	-2.38	0.041	-1.39	5.6	0.75	1.1	0.04	0.21	-0.68	0.004	-2.40
8/19/10	0.005	-2.30	0.01	-2.00	7.8	0.89	0.051	-1.29	0.21	-0.68	0.0036	-2.44
10/26/10	0.0034	-2.47			6.3	0.80			0.24	-0.62		
4/19/11	0.0046	-2.34			6.6	0.82			0.32	-0.49		

Descriptive Statistics for Log Transformed Data												
MW-1		MW-2S		MW-2I		MW-4		MW-6		MW-11	
Mean	-2.283	Mean	-1.273	Mean	0.596	Mean	-0.215	Mean	-0.548	Mean	-1.830
Standard Error	0.105	Standard Error	0.457	Standard Error	0.134	Standard Error	0.281	Standard Error	0.150	Standard Error	0.462
Median	-2.337	Median	-1.387	Median	0.748	Median	-0.046	Median	-0.620	Median	-2.194
Mode	#N/A	Mode	#N/A	Mode	#N/A	Mode	#N/A	Mode	-0.678	Mode	#N/A
Standard Deviation	0.278	Standard Deviation	1.022	Standard Deviation	0.355	Standard Deviation	0.628	Standard Deviation	0.397	Standard Deviation	1.032
Sample Variance	0.077	Sample Variance	1.044	Sample Variance	0.126	Sample Variance	0.394	Sample Variance	0.157	Sample Variance	1.065
Kurtosis	5.341	Kurtosis	-1.933	Kurtosis	-0.039	Kurtosis	3.693	Kurtosis	3.706	Kurtosis	4.647
Skewness	2.195	Skewness	0.162	Skewness	-1.279	Skewness	-1.781	Skewness	1.435	Skewness	2.138
Range	0.831	Range	2.469	Range	0.914	Range	1.635	Range	1.311	Range	2.444
Minimum	-2.509	Minimum	-2.469	Minimum	-0.022	Minimum	-1.292	Minimum	-1.056	Minimum	-2.444
Maximum	-1.678	Maximum	0.000	Maximum	0.892	Maximum	0.342	Maximum	0.255	Maximum	0.000
Sum	-15.980	Sum	-6.364	Sum	4.173	Sum	-1.074	Sum	-3.839	Sum	-9.149
Count	7.000	Count	5	Count	7.000	Count	5.000	Count	7.000	Count	5.000
Mean + 1 Std Dev	-2.00	Mean + 1 Std Dev	-0.25	Mean + 1 Std Dev	0.95	Mean + 1 Std Dev	0.41	Mean + 1 Std Dev	-0.15	Mean + 1 Std Dev	-0.80
Mean - 1 Std Dev	-2.56	Mean - 1 Std Dev	-2.29	Mean - 1 Std Dev	0.24	Mean - 1 Std Dev	-0.84	Mean - 1 Std Dev	-0.95	Mean - 1 Std Dev	-2.86
Mean + 2 Std Dev	-1.73	Mean + 2 Std Dev	0.77	Mean + 2 Std Dev	1.31	Mean + 2 Std Dev	1.04	Mean + 2 Std Dev	0.25	Mean + 2 Std Dev	0.23
Mean - 2 Std Dev	-2.84	Mean - 2 Std Dev	-3.32	Mean - 2 Std Dev	-0.11	Mean - 2 Std Dev	-1.47	Mean - 2 Std Dev	-1.34	Mean - 2 Std Dev	-3.89
Mean + 3 Std Dev	-1.45	Mean + 3 Std Dev	1.79	Mean + 3 Std Dev	1.66	Mean + 3 Std Dev	1.67	Mean + 3 Std Dev	0.64	Mean + 3 Std Dev	1.27
Mean -3 Std Dev	-3.12	Mean -3 Std Dev	-4.34	Mean -3 Std Dev	-0.47	Mean -3 Std Dev	-2.10	Mean -3 Std Dev	-1.74	Mean -3 Std Dev	-4.93

Basic Statistics for PCE (Histograms)



FIGURES



NOTE: FORMER EXCLUSIVE CLEANERS BUILDING LOCATION IS APPROXIMATE.

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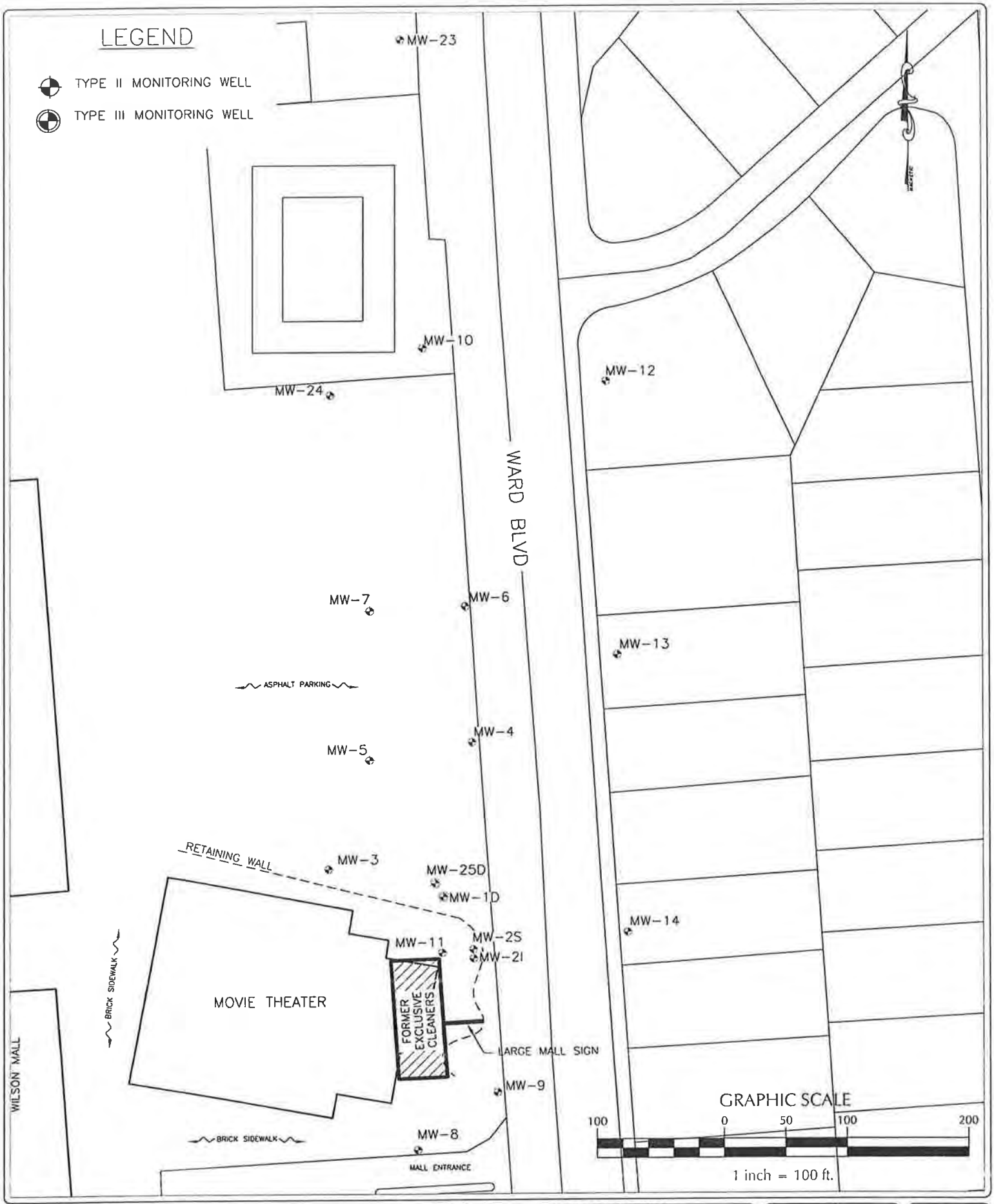
EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

SOIL ANALYTICAL RESULTS MAP

DRAWN BY:	SCALE:	FIGURE NO.
MDF	1"=20'	1,2,3
APPROVED BY:	DATE:	JOB NO:
DK	1/28/10	2060496.16

K:\05\06-0490\060496.16-EXCLUSIVE CLEANERS (98-0004)\CAD\2060496.16_BASE_2010.09.DWG 6/28/2006 11:11 AM PERRY, ROSS 1:1



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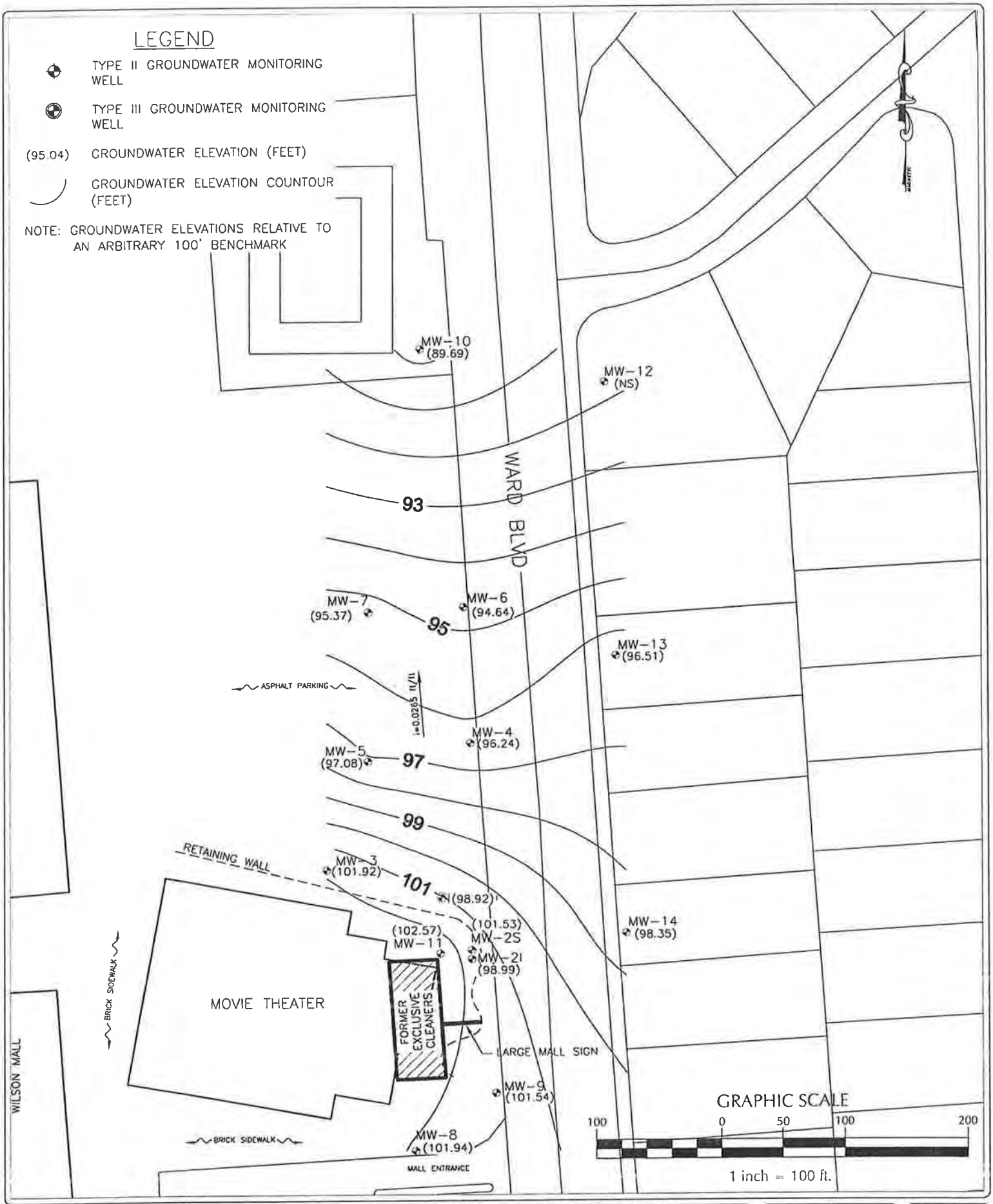
EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA
MONITORING WELL LOCATION MAP

DRAWN BY:	SCALE:	FIGURE NO.
ASP	1"=100'	4
APPROVED BY:	DATE:	JOB NO:
DK	6/22/10	02060496.16

K:\06\06-0490\060496.16-EXCLUSIVE CLEANERS (98-0004)\CAD\2060496.16_BASE_2010.09.DWG 6/28/2011 1:02 PM PERRY, ROSS 1:0.4297



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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER FLOW MAP
MAY 2009

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6A
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

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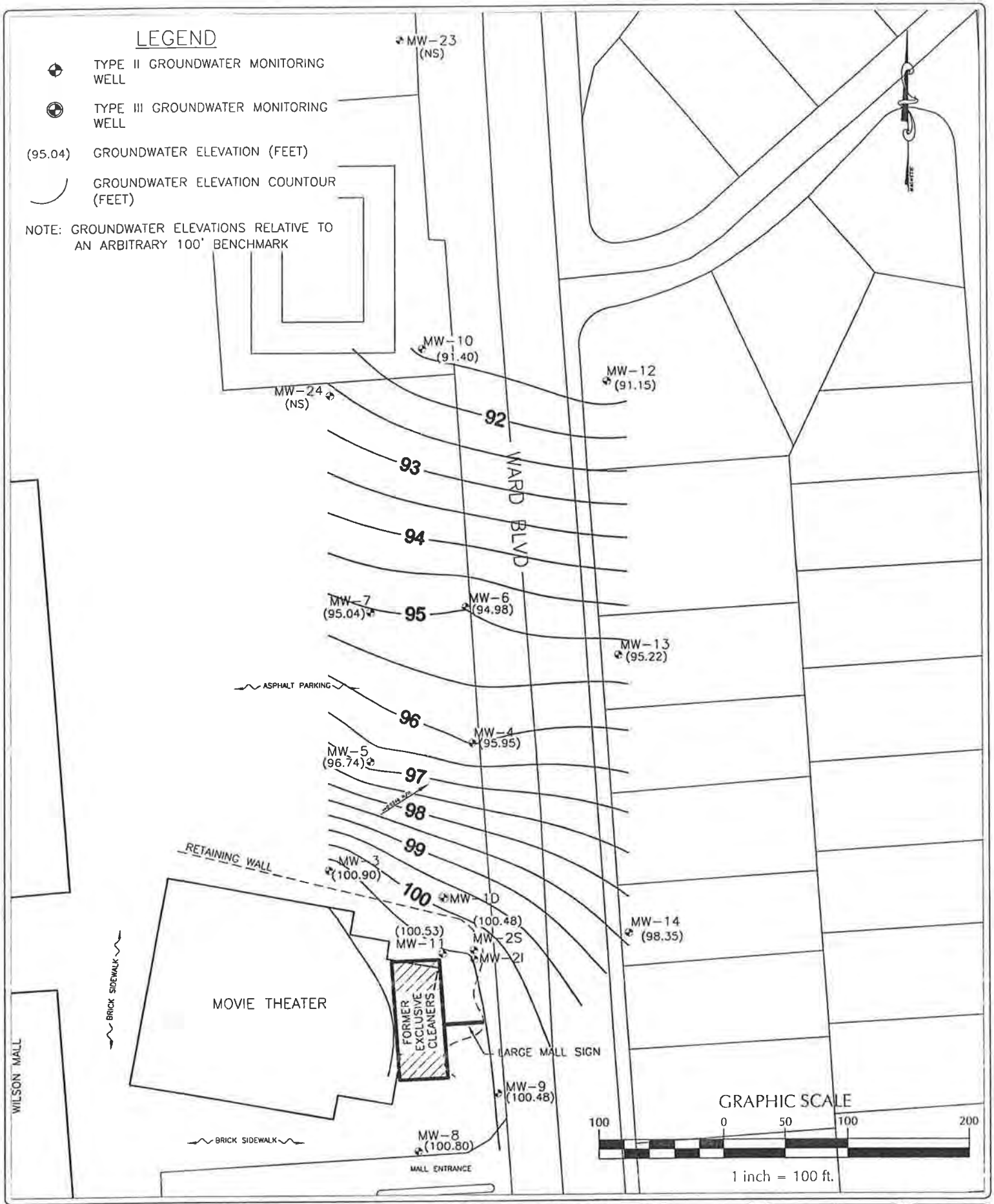

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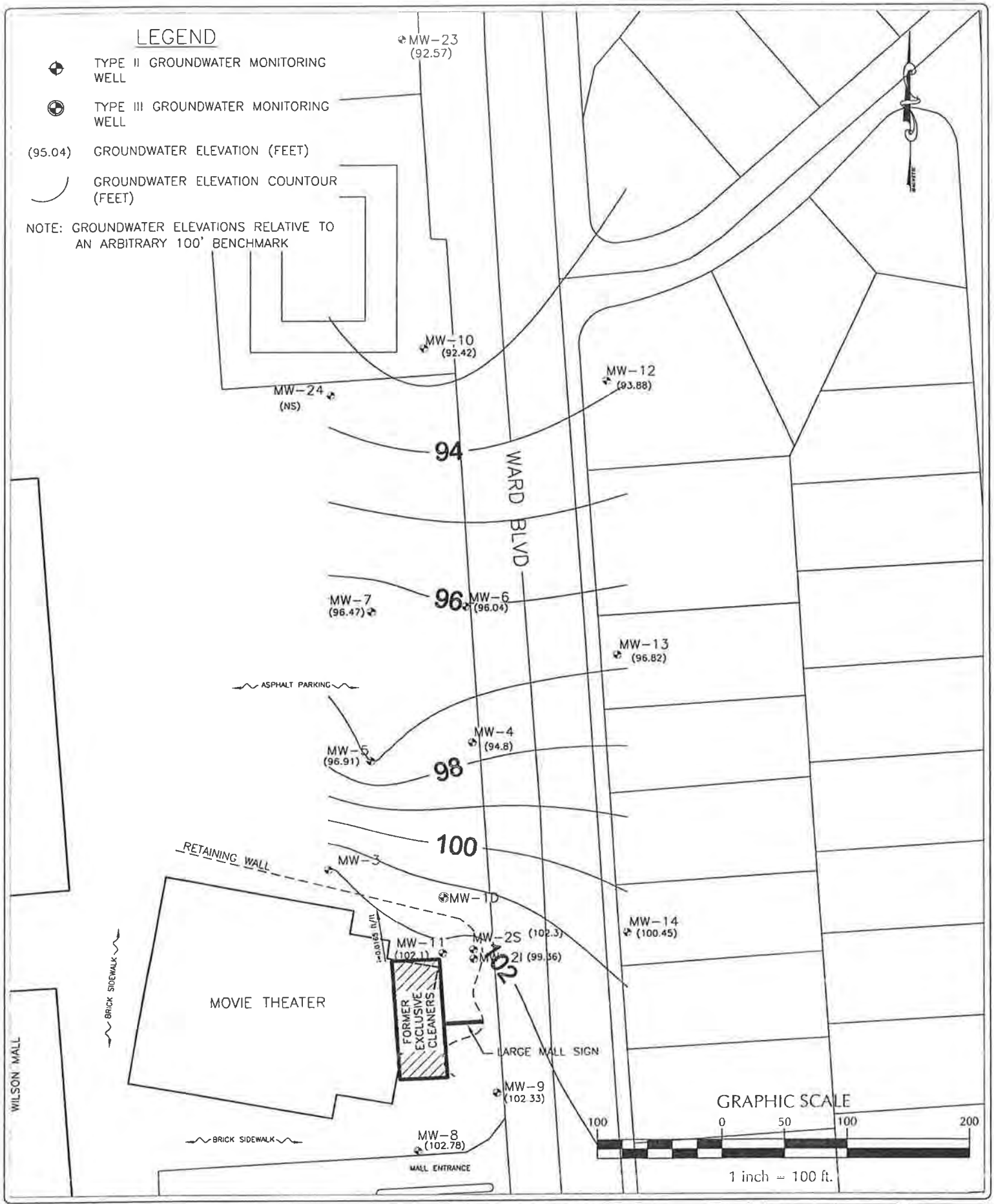
EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER FLOW MAP
NOVEMBER 2009

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6B
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

K:\06\06-0490\060496.16-EXCLUSIVE CLEANERS (98-0004)\CAD\2060496.16_BASE_2010.09.DWG 6/28/2011 1:22 PM PERRY, ROSS 1:0.4297



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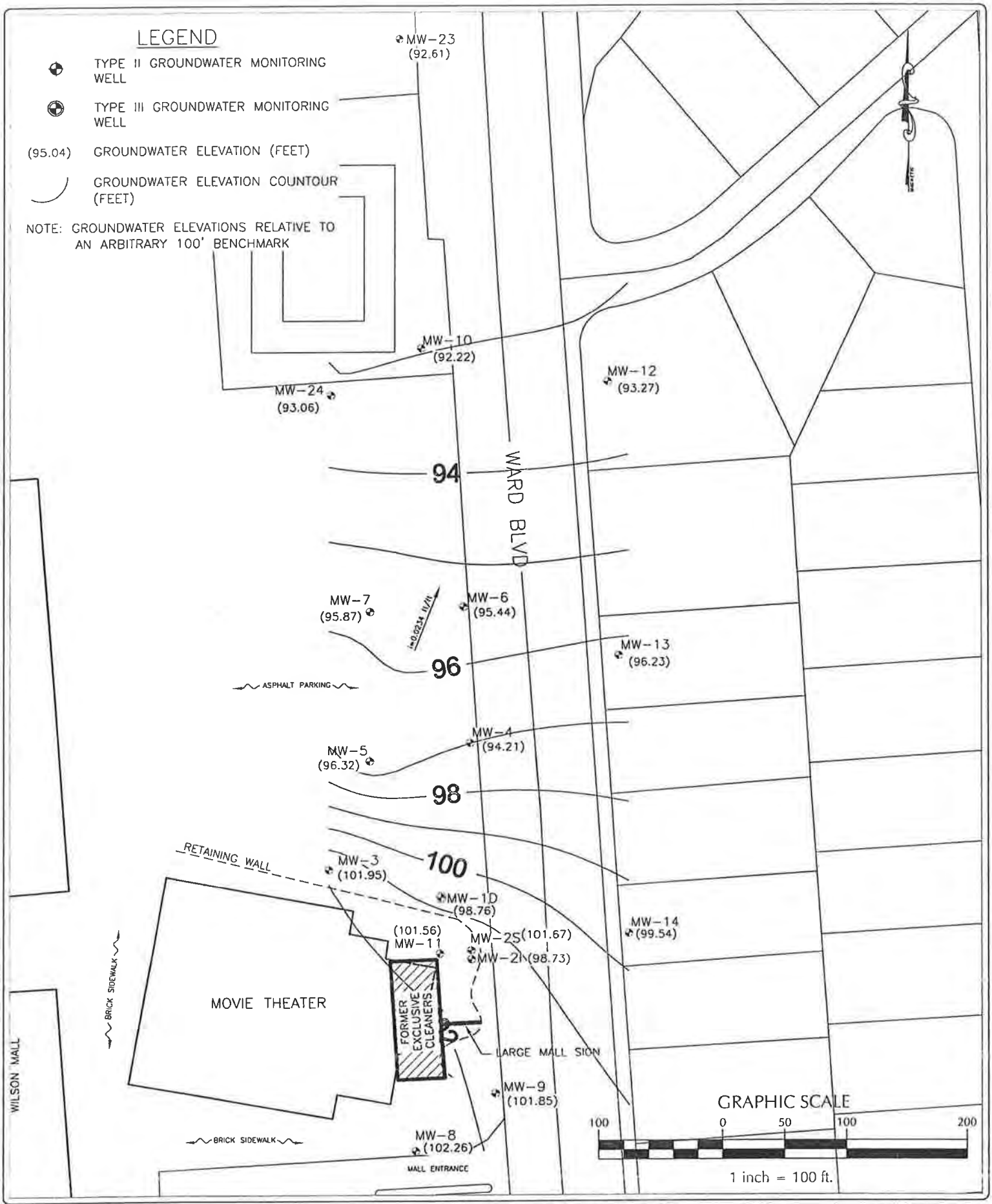
EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA
GROUNDWATER FLOW MAP
FEBRUARY 2010

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6C
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

K:\06\06-0490\060496.16-EXCLUSIVE CLEANERS (98-0004)\CAD\2060496.16_BASE_2010.09.DWG 6/28/2011 1:23 PM PERRY, ROSS 1:0.4297



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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA
GROUNDWATER FLOW MAP
MAY 2010

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6D
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

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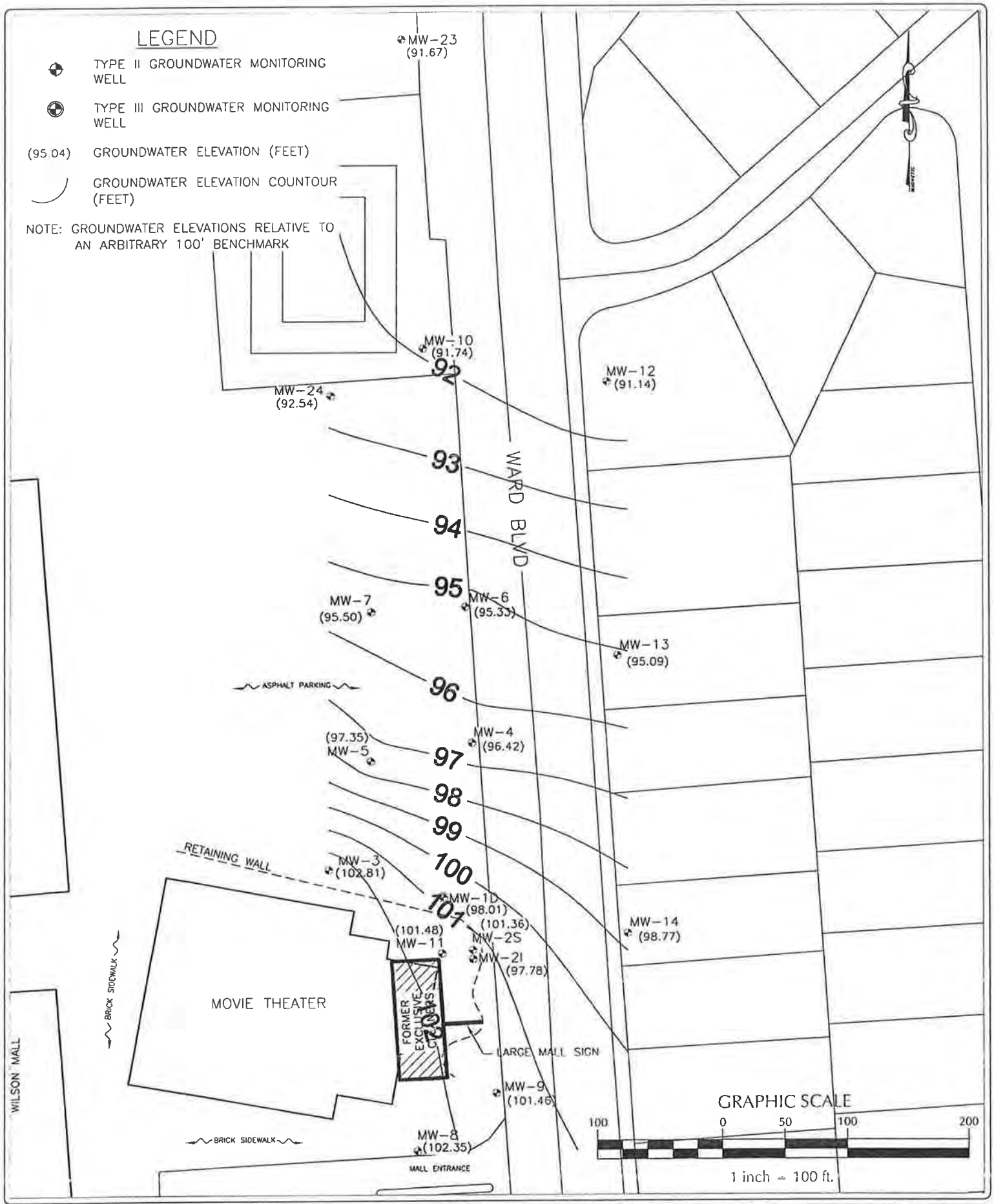

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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA
GROUNDWATER FLOW MAP
AUGUST 2010

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6E
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

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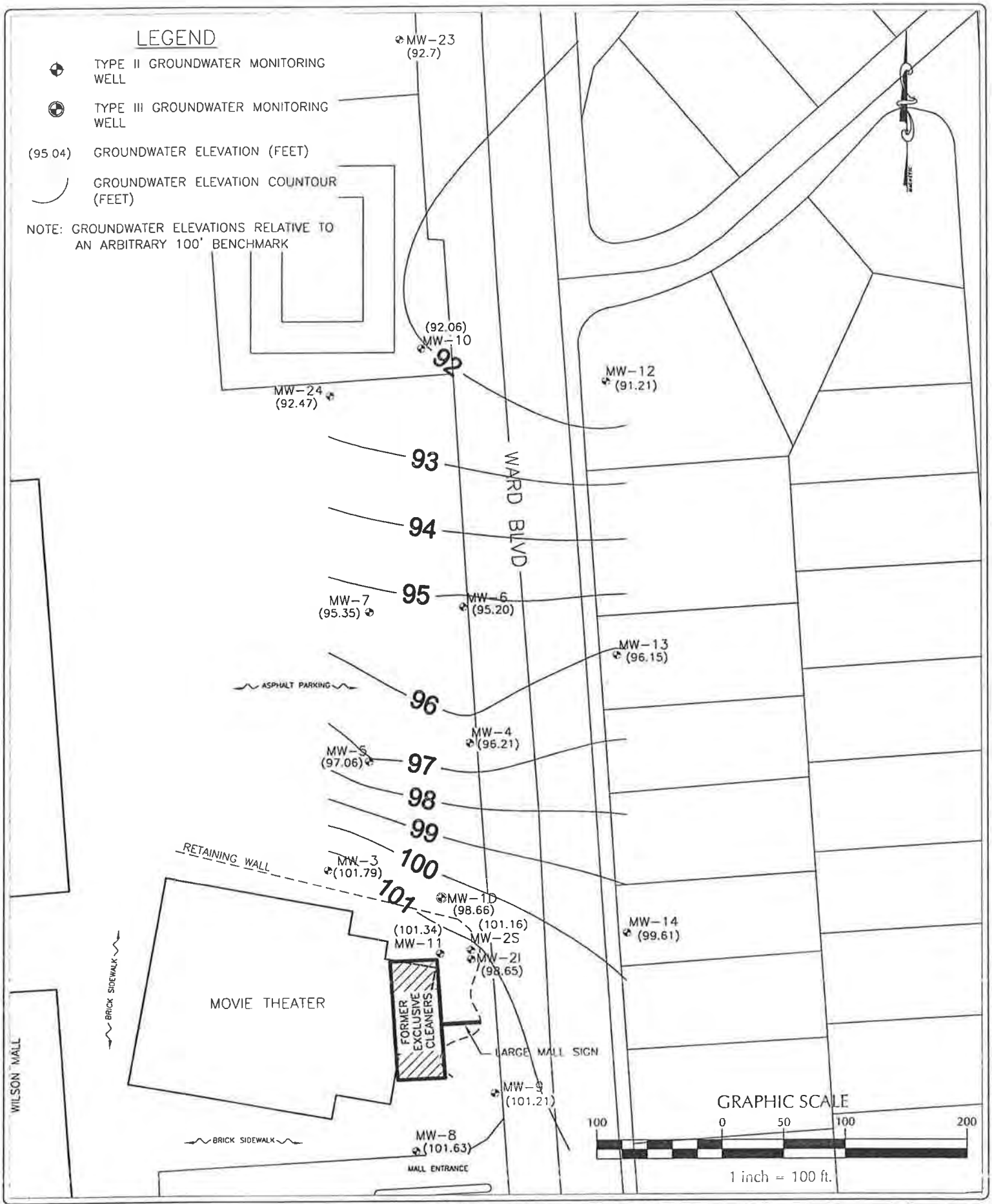

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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA
GROUNDWATER FLOW MAP
OCTOBER 2010

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6F
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

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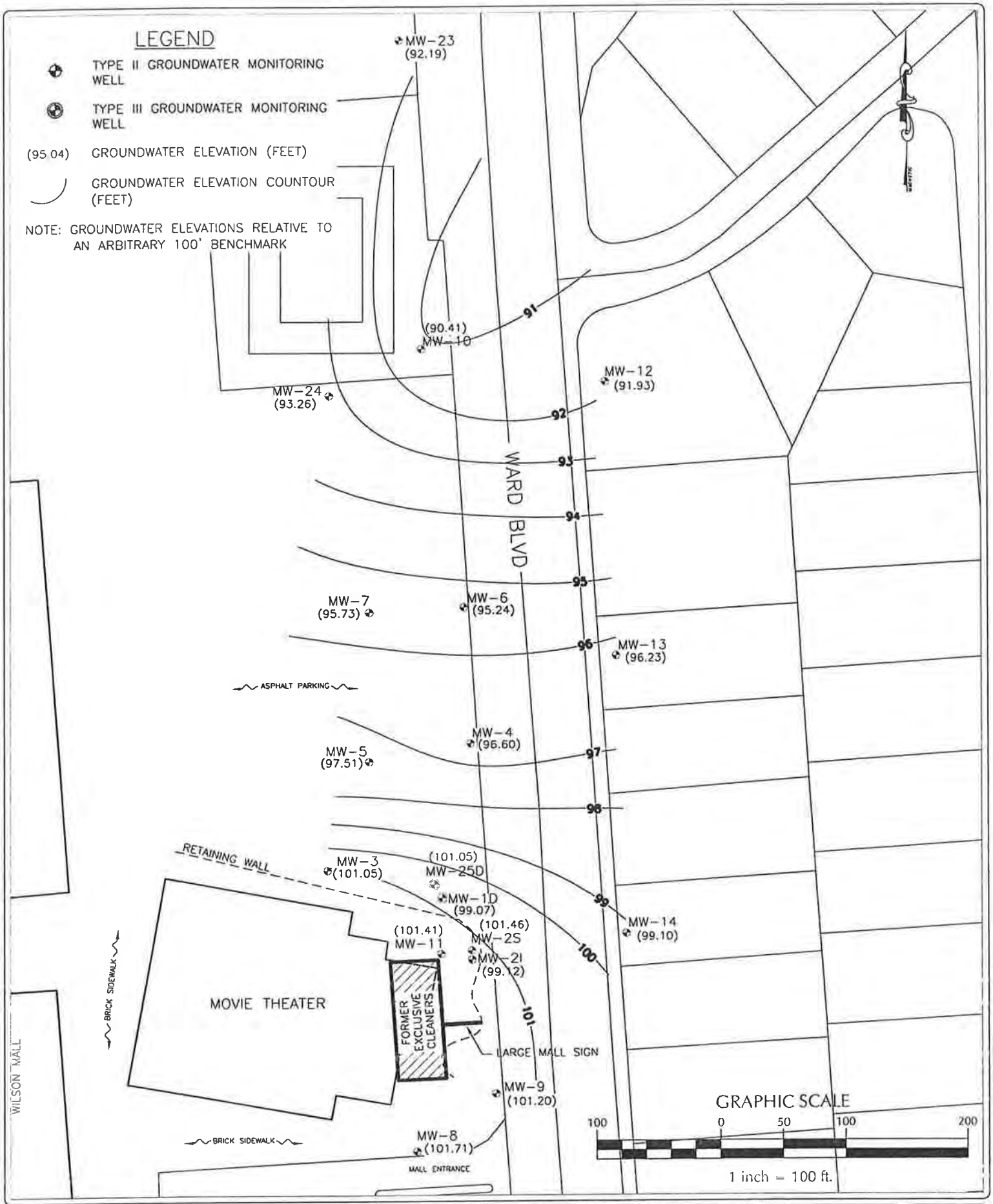

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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD and 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER FLOW MAP
APRIL 2011

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	6G
APPROVED BY:	DATE:	JOB NO:
DK	6/27/11	02060496.16

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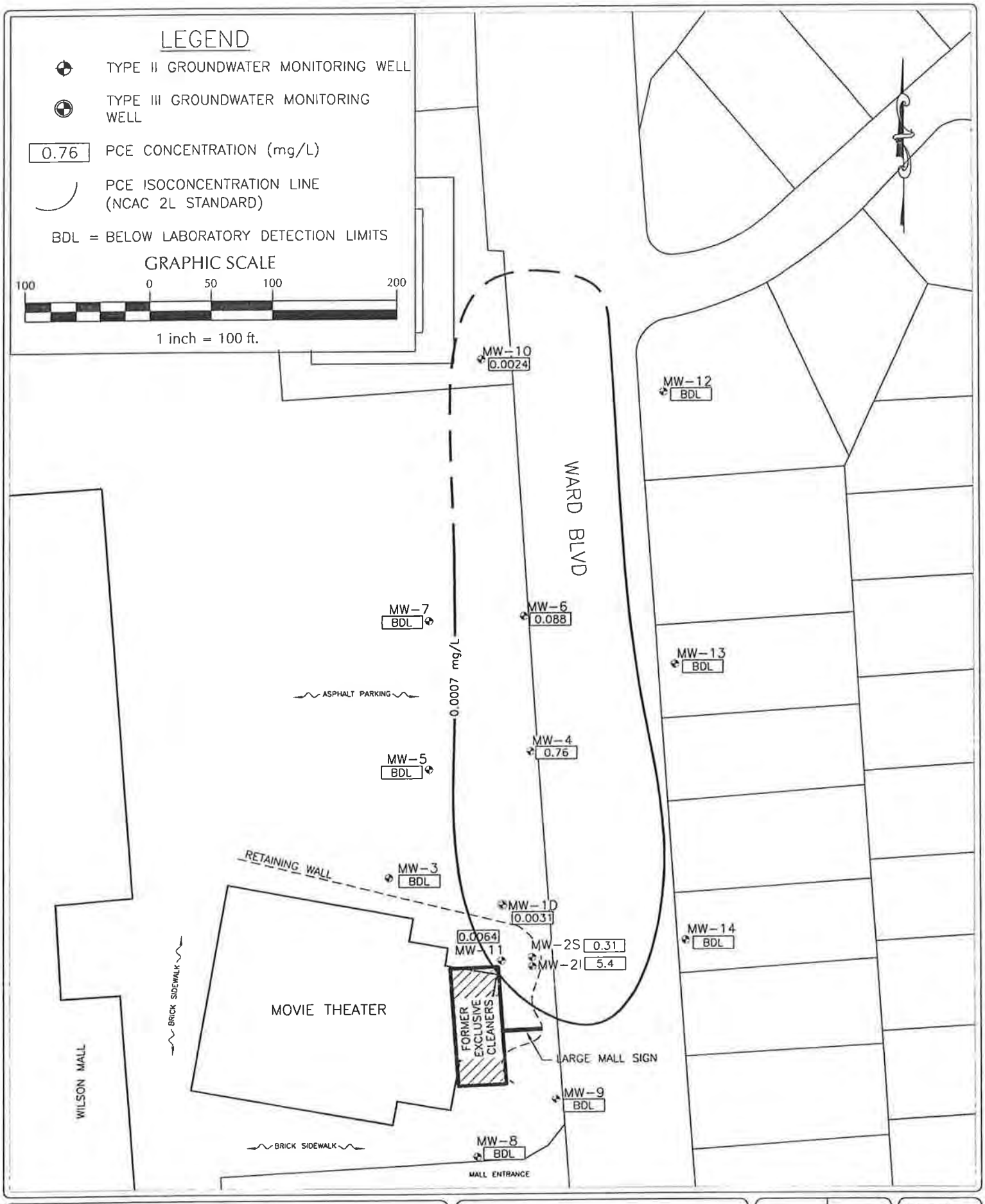

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1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
MAY 2009

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	7A
APPROVED BY:	DATE:	JOB NO:
DK	6/21/11	02060496.16

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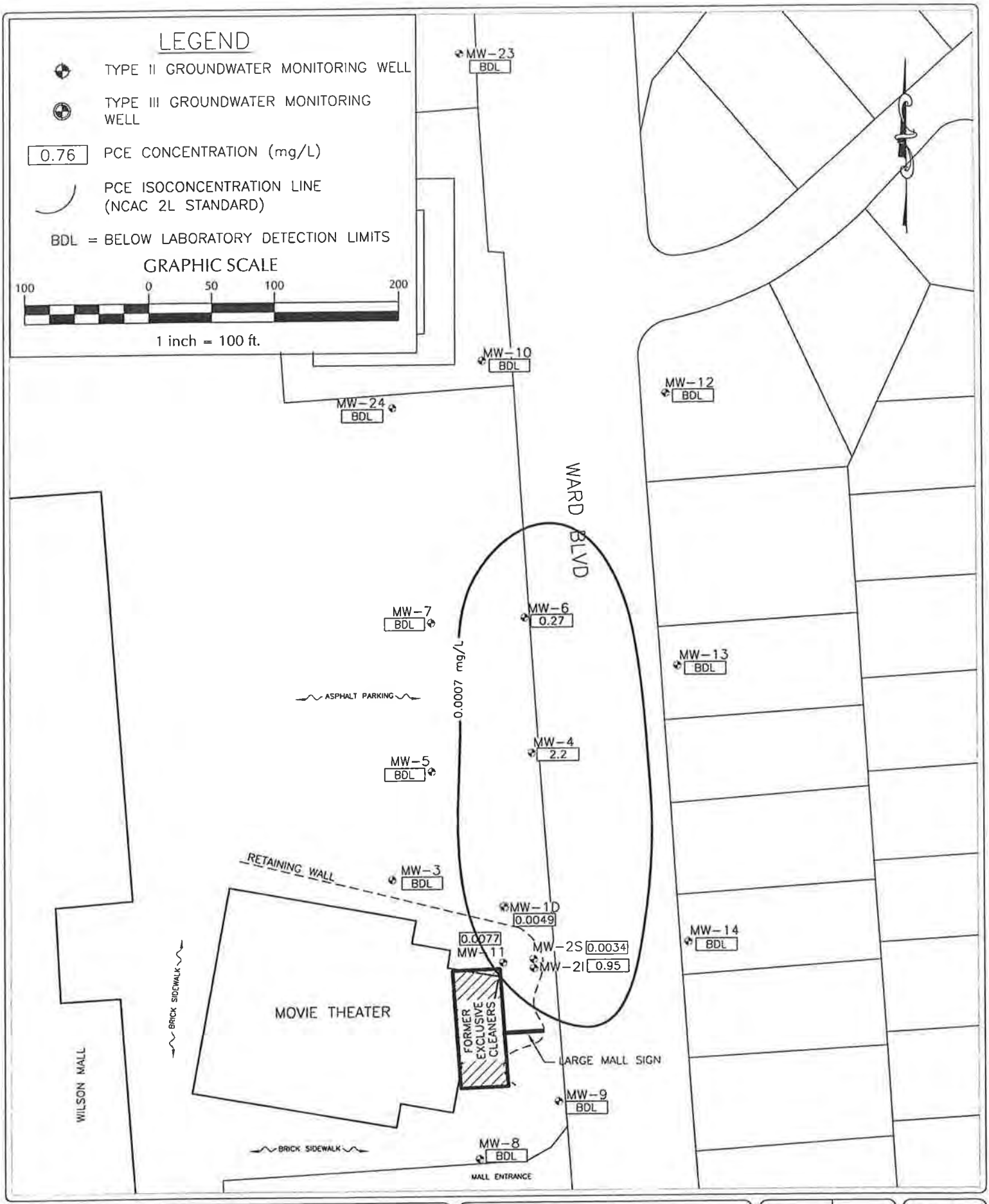

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EXCLUSIVE CLEANERS DSCA ID NO.: 98-0004
1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
NOVEMBER 2009

DRAWN BY:	SCALE:	FIGURE NO.
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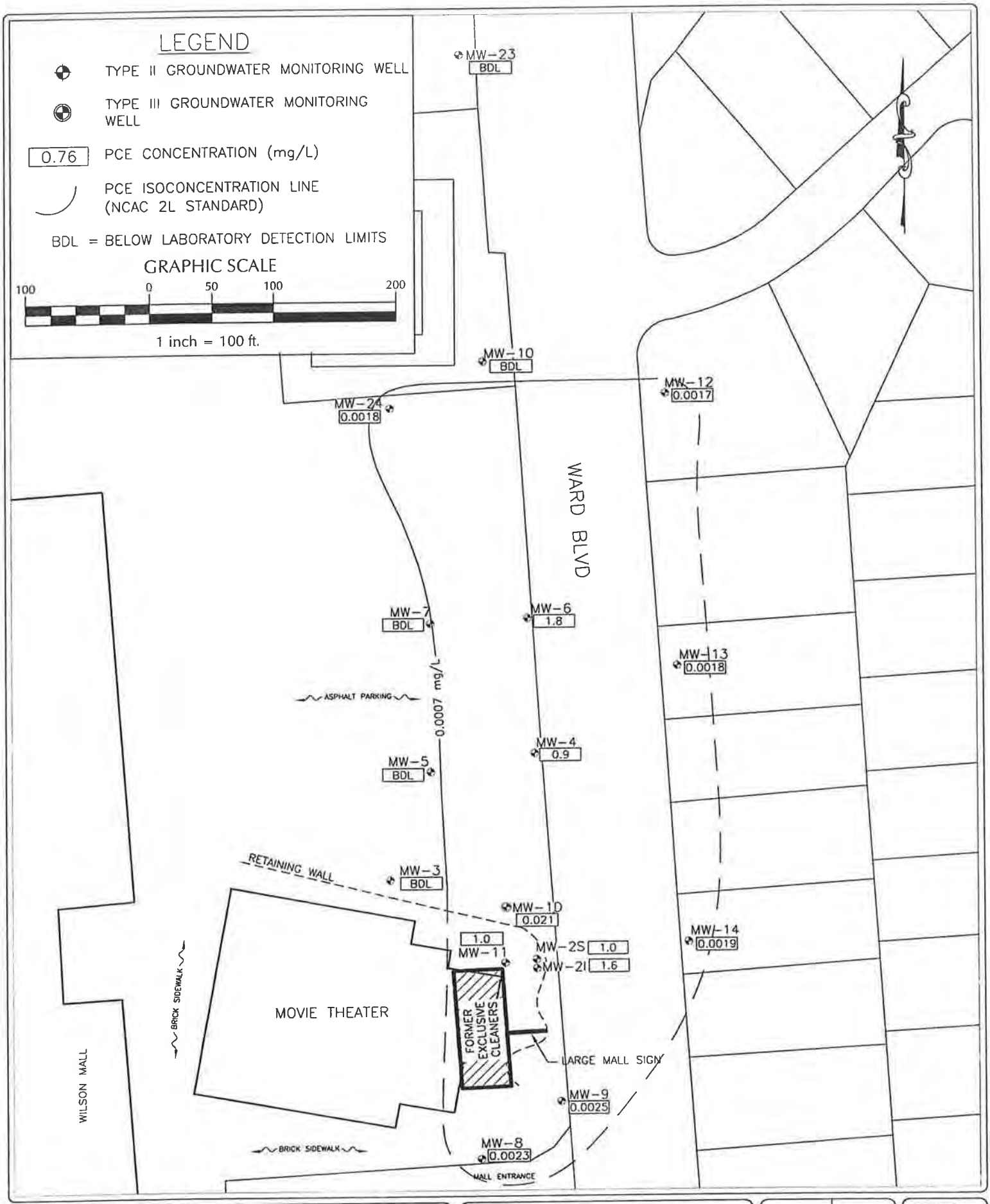

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1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
FEBRUARY 2010

DRAWN BY:	SCALE:	FIGURE NO.
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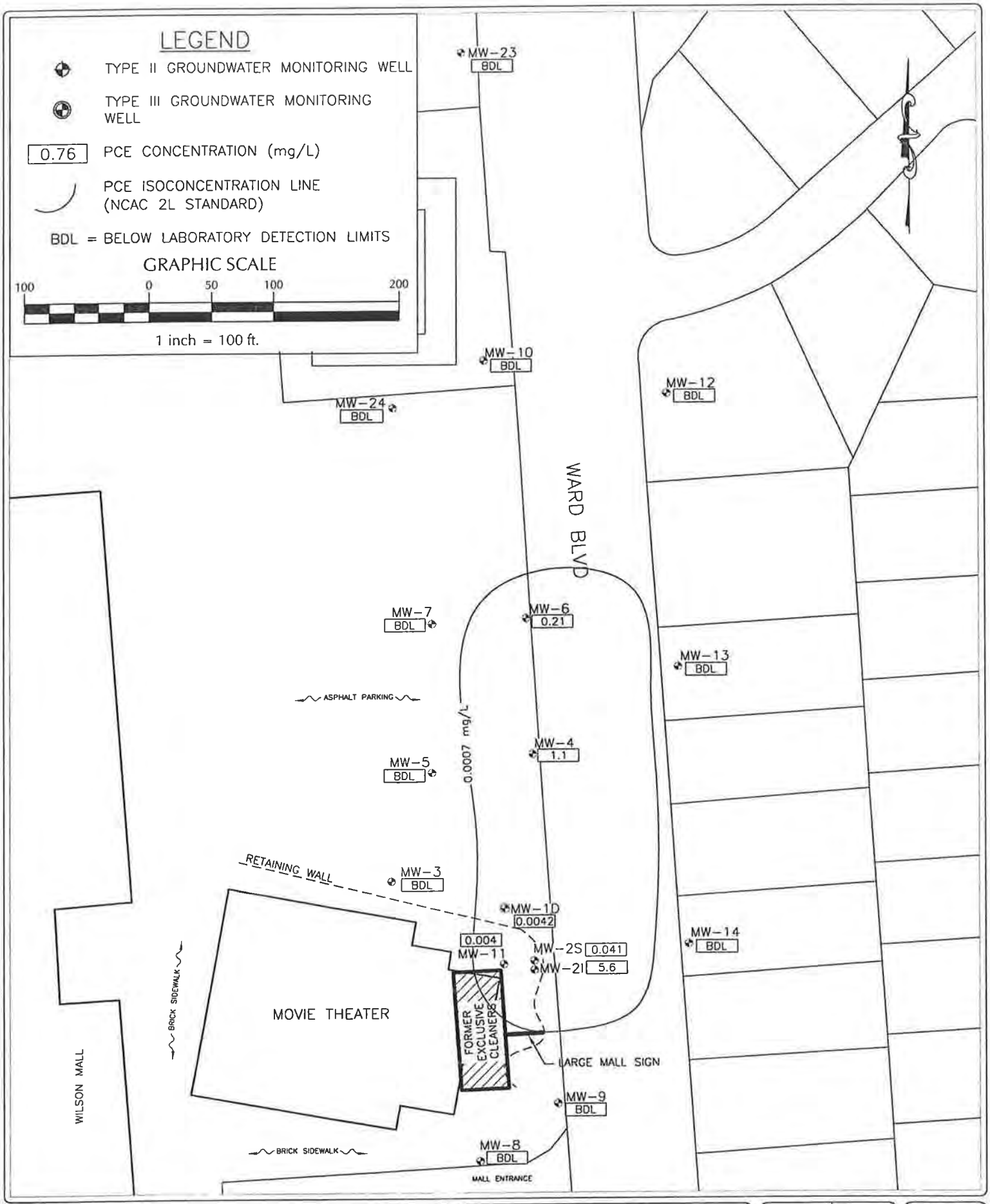

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EXCLUSIVE CLEANERS DSCA ID NO.: 98-0004
1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
MAY 2010

DRAWN BY:	SCALE:	FIGURE NO.
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APPROVED BY:	DATE:	JOB NO:
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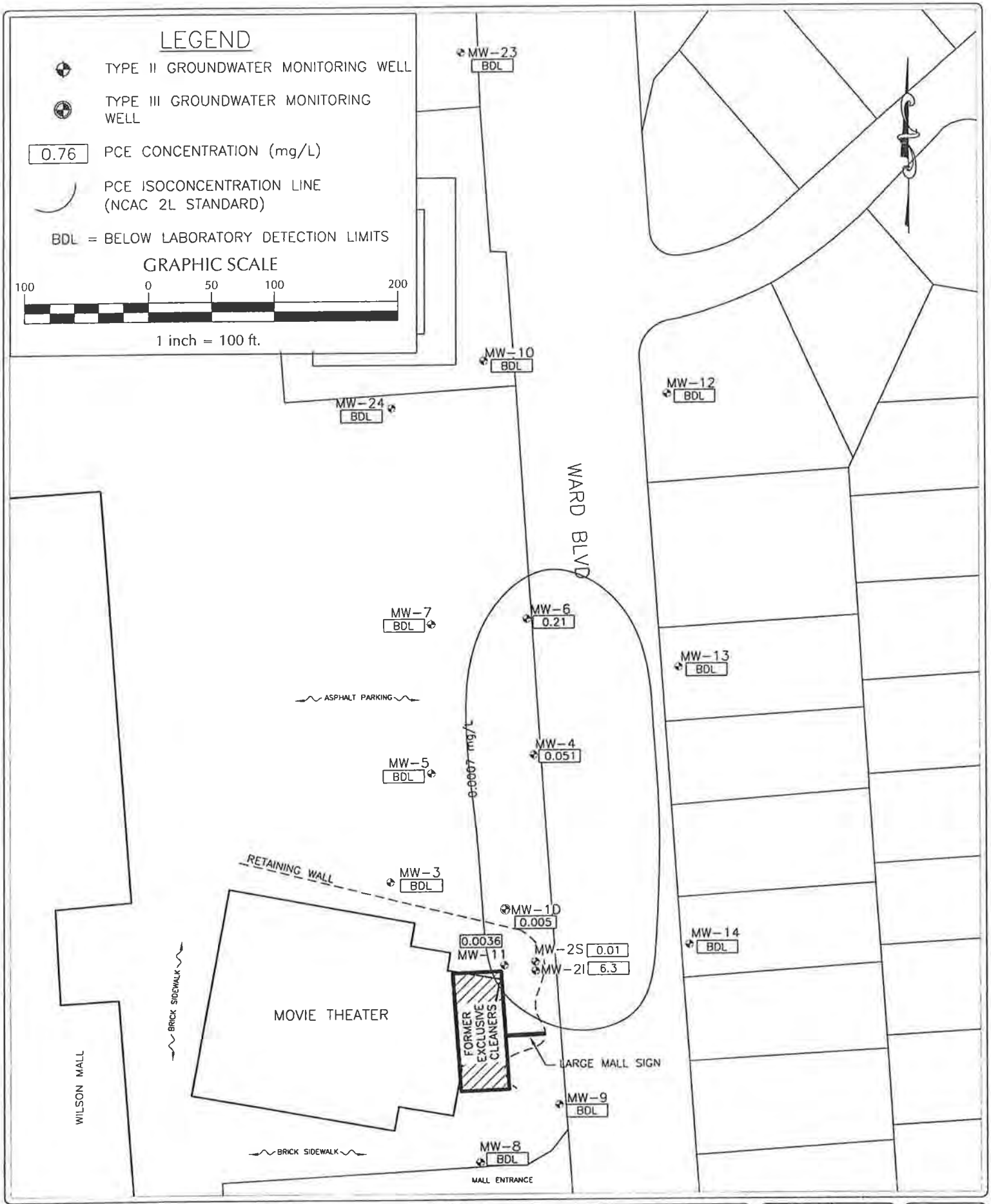

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EXCLUSIVE CLEANERS DSCA ID NO.: 98-0004
1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
AUGUST 2010

DRAWN BY:	SCALE:	FIGURE NO.
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APPROVED BY:	DATE:	JOB NO:
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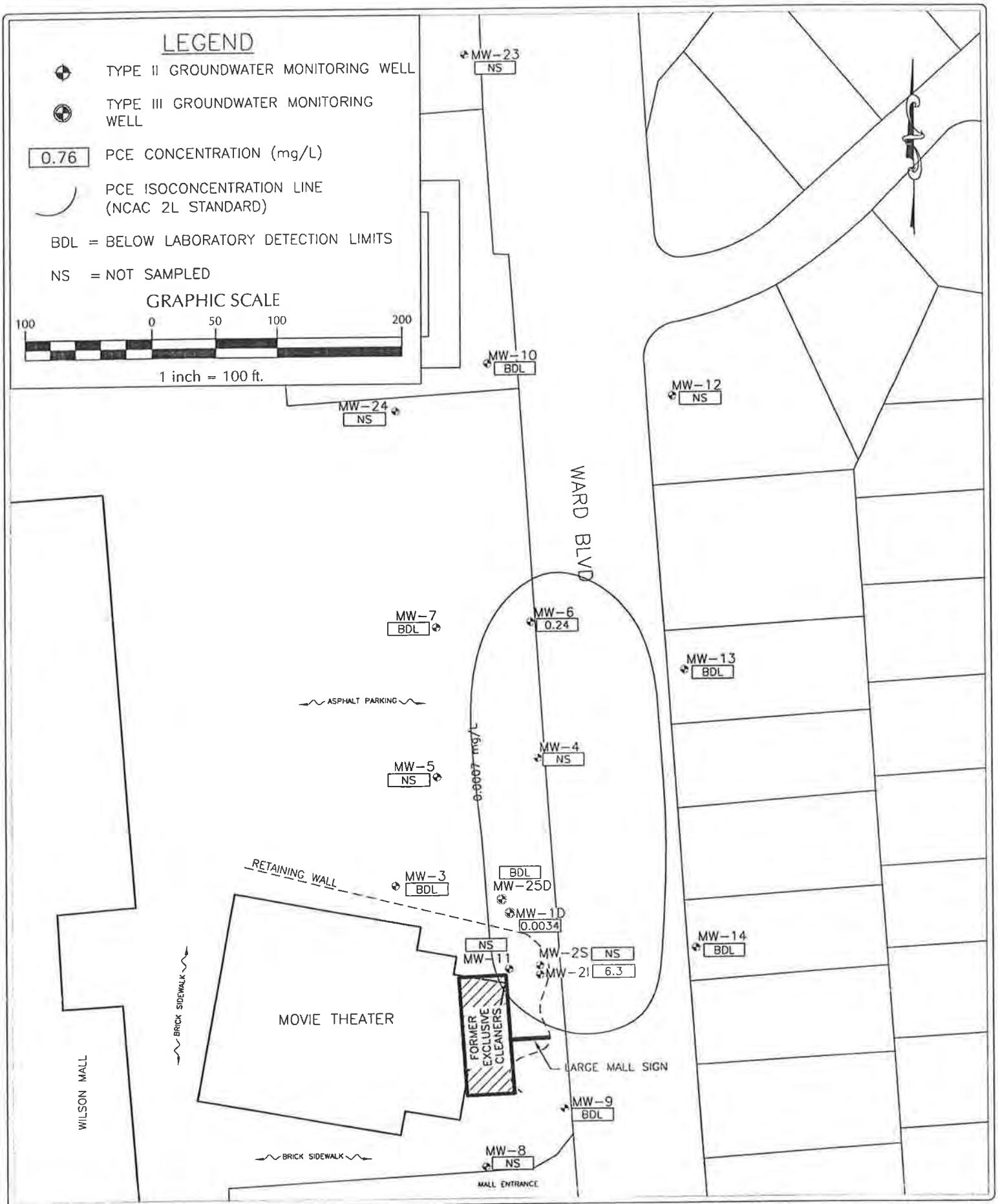

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1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
OCTOBER 2010

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	7F
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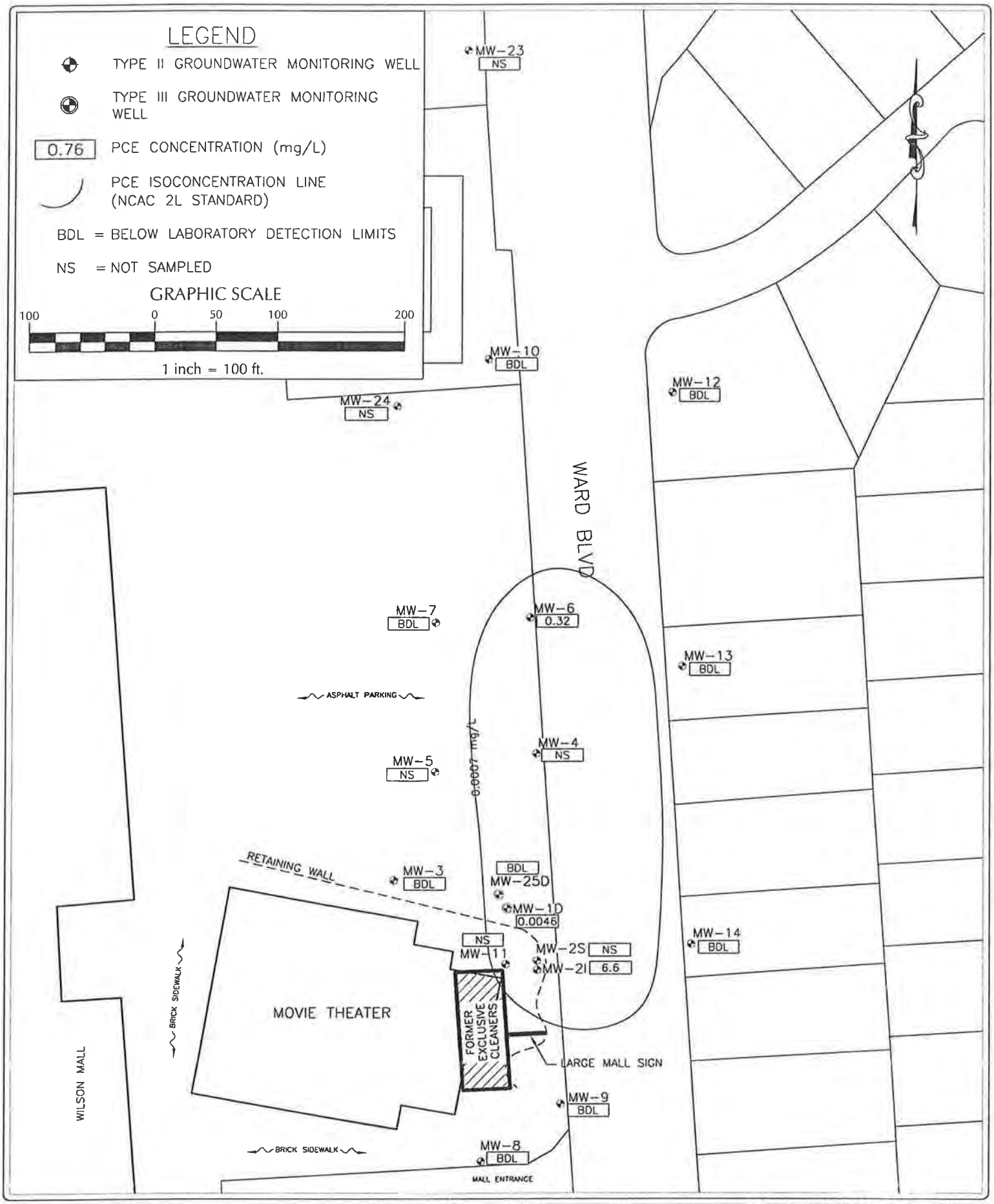

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1513 WARD BLVD AND 1673 PARKWOOD BLVD
WILSON, NORTH CAROLINA

GROUNDWATER PCE RESULTS MAP
APRIL 2011

DRAWN BY:	SCALE:	FIGURE NO.
WRP	1"=100'	7G
APPROVED BY:	DATE:	JOB NO:
DK	6/21/11	02060496.16

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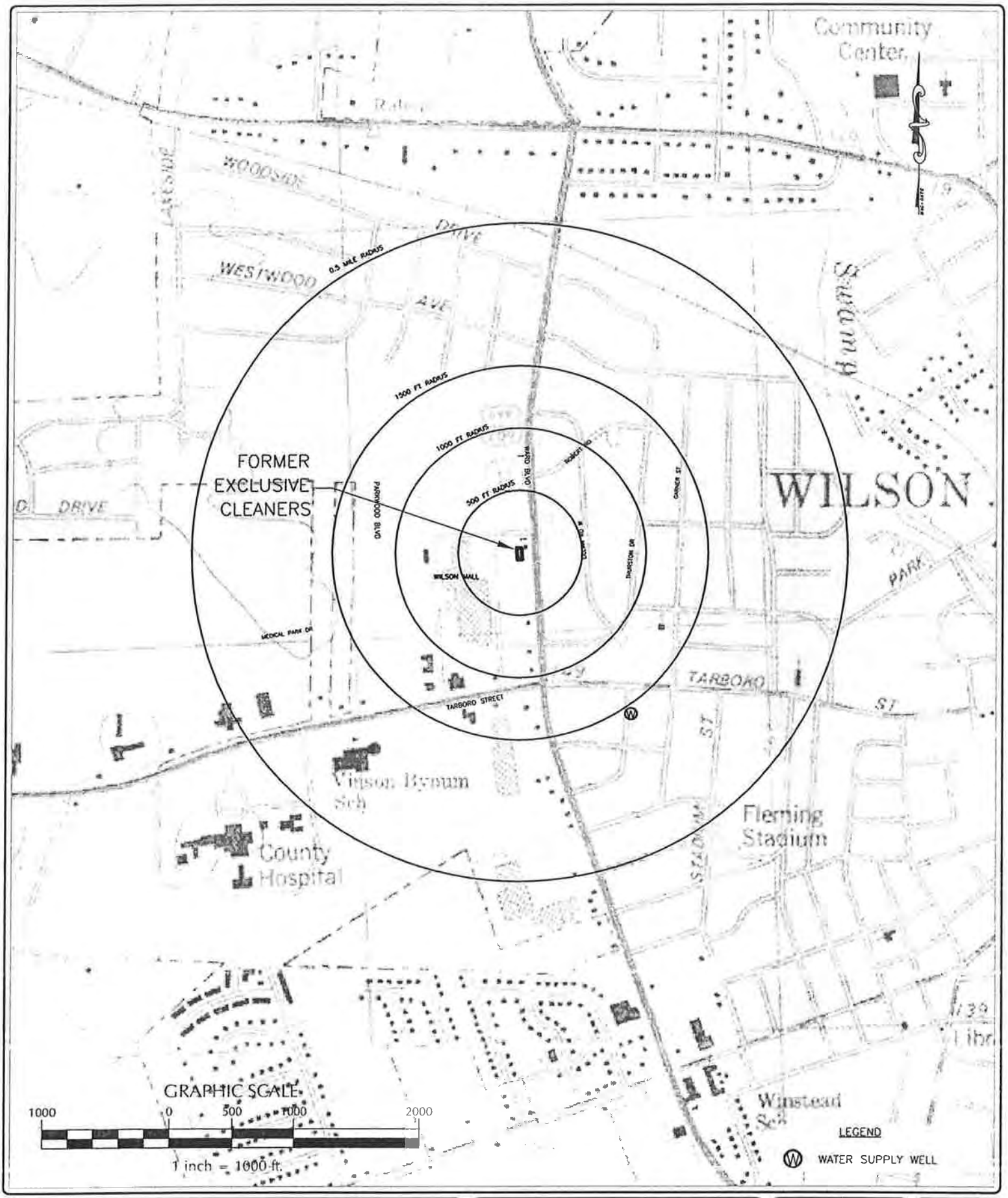

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GENERAL LOCATION MAP

EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

USGS WILSON, NC
7.5 min. Quadrangle

DRAWN BY:	SCALE:	FIGURE NO.
MDF	1"=1000'	11
APPROVED BY:	DATE:	JOB NO:
DK	1/21/10	2060496.16

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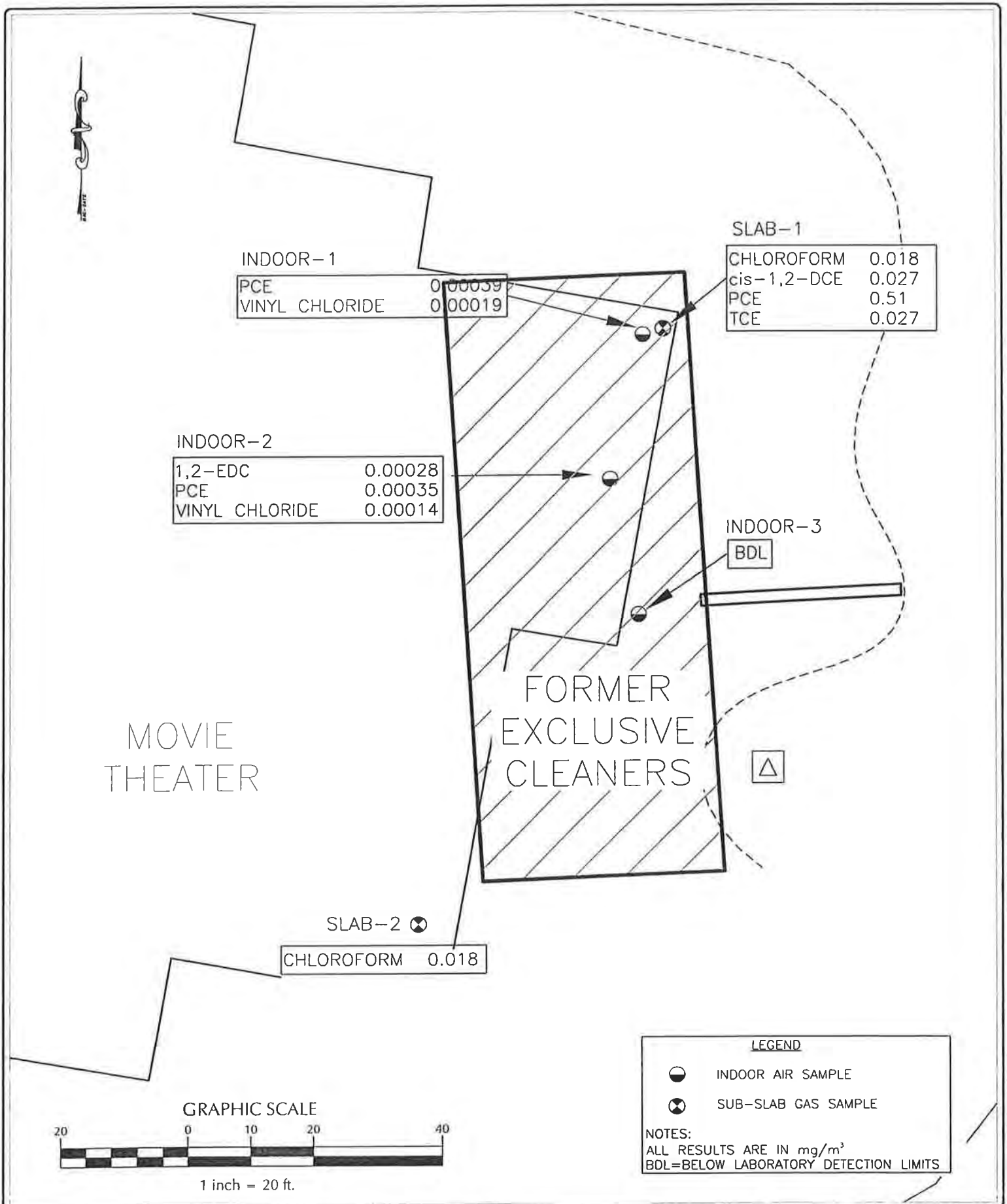

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EXCLUSIVE CLEANERS DSCA ID: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

INDOOR AIR & SUB-SLAB GAS ANALYTICAL RESULTS

DRAWN BY:	SCALE:	FIGURE NO.
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APPROVED BY:	DATE:	JOB NO:
DK	1/21/10	2060496.16

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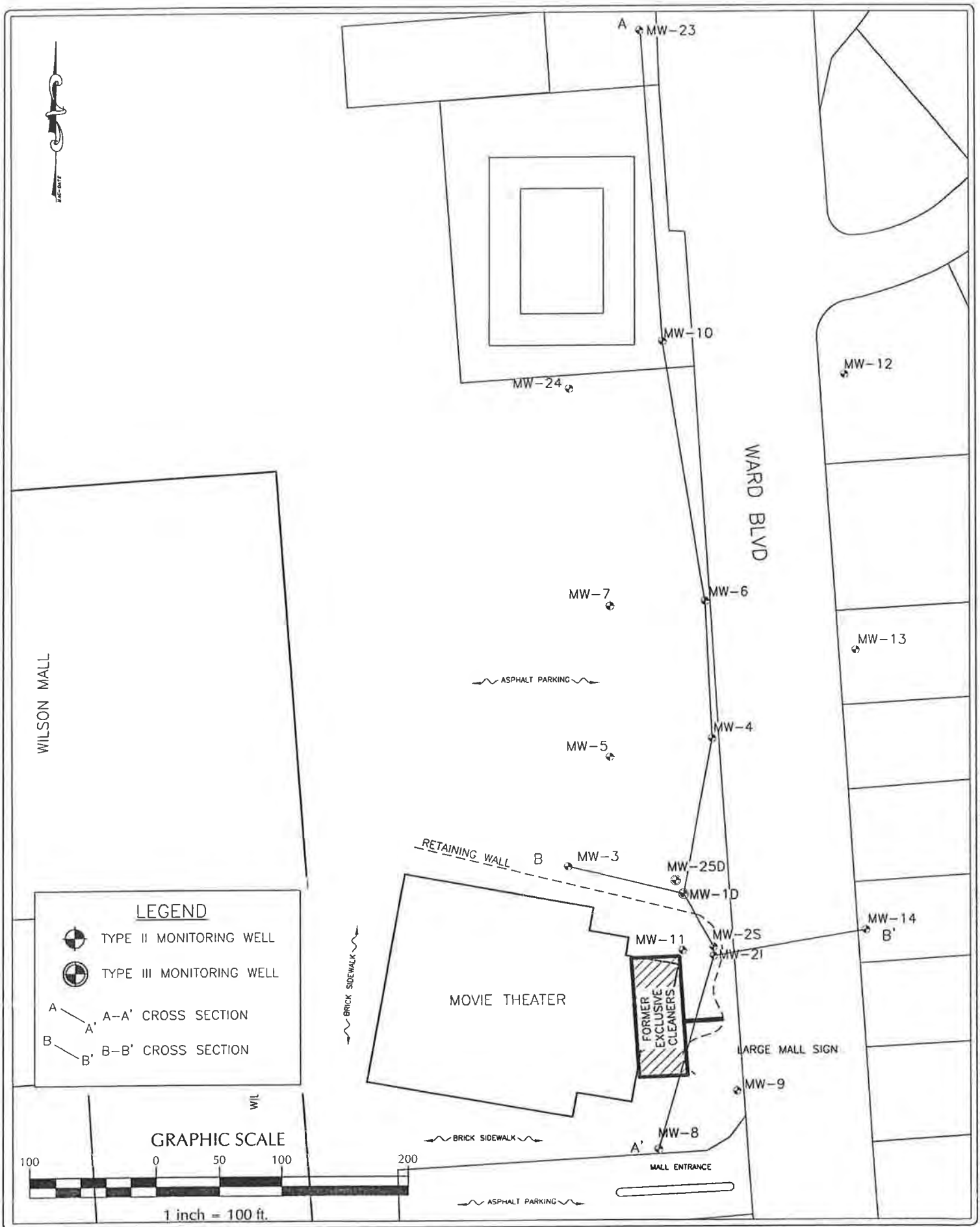

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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

CROSS SECTION TRANSECTS MAP

DRAWN BY:	SCALE:
MDF	1"=100'
APPROVED BY:	DATE:
DK	1/28/10

FIGURE NO. 15
JOB NO: 2060496.16

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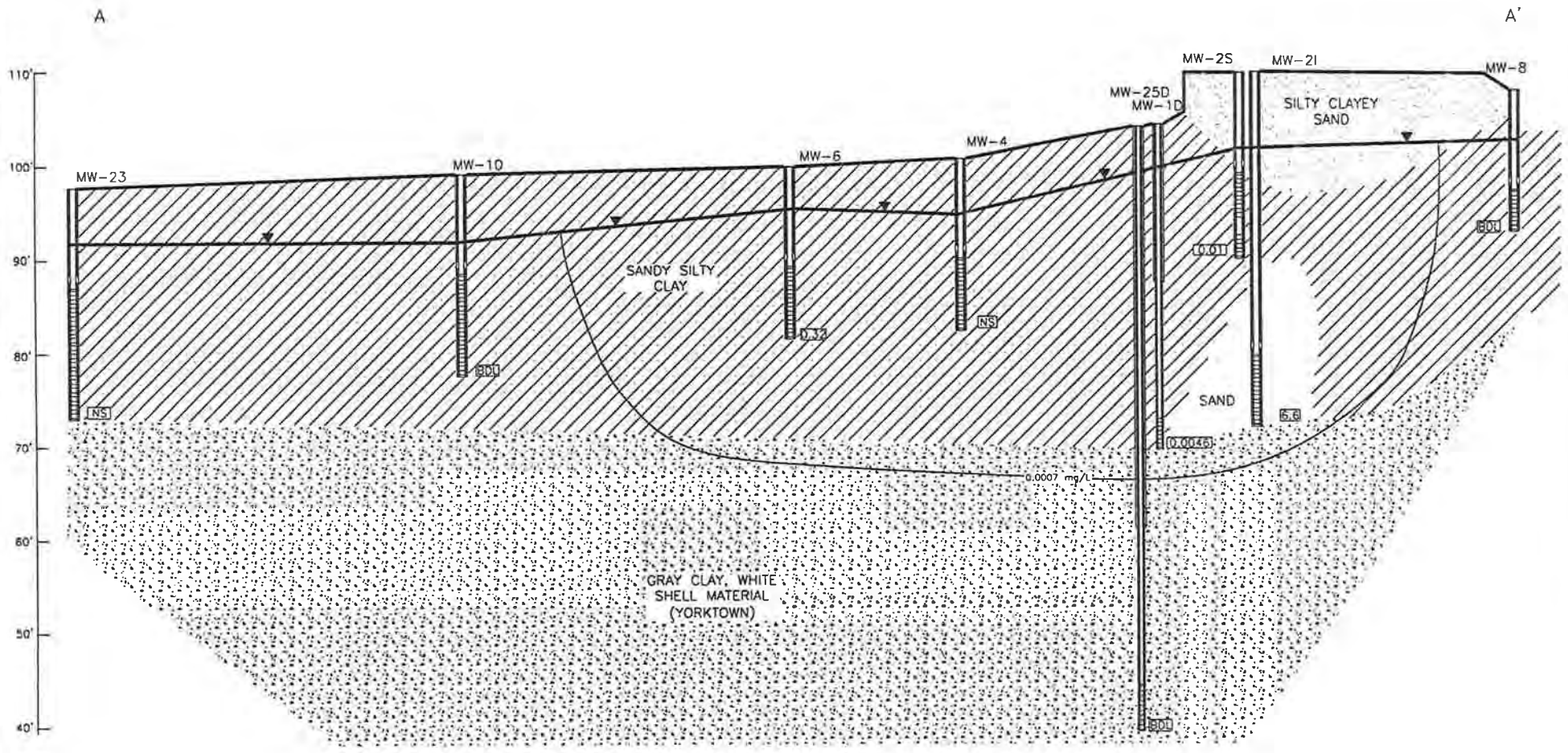
LEGEND

- 5.6 — PCE CONCENTRATION IN GW, mg/L (4/19/11)
- 0.0007 mg/L — PCE 2L STANDARD VERTICAL ISOPLETH (4/19/11)
- BDL — BELOW LABORATORY DETECTION LIMITS



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Revisions			
No.	Description	Date	
1	EDITED X SECTIONS	6/22/10	ASP
2	EDITED X SECTIONS	6/21/11	WRP

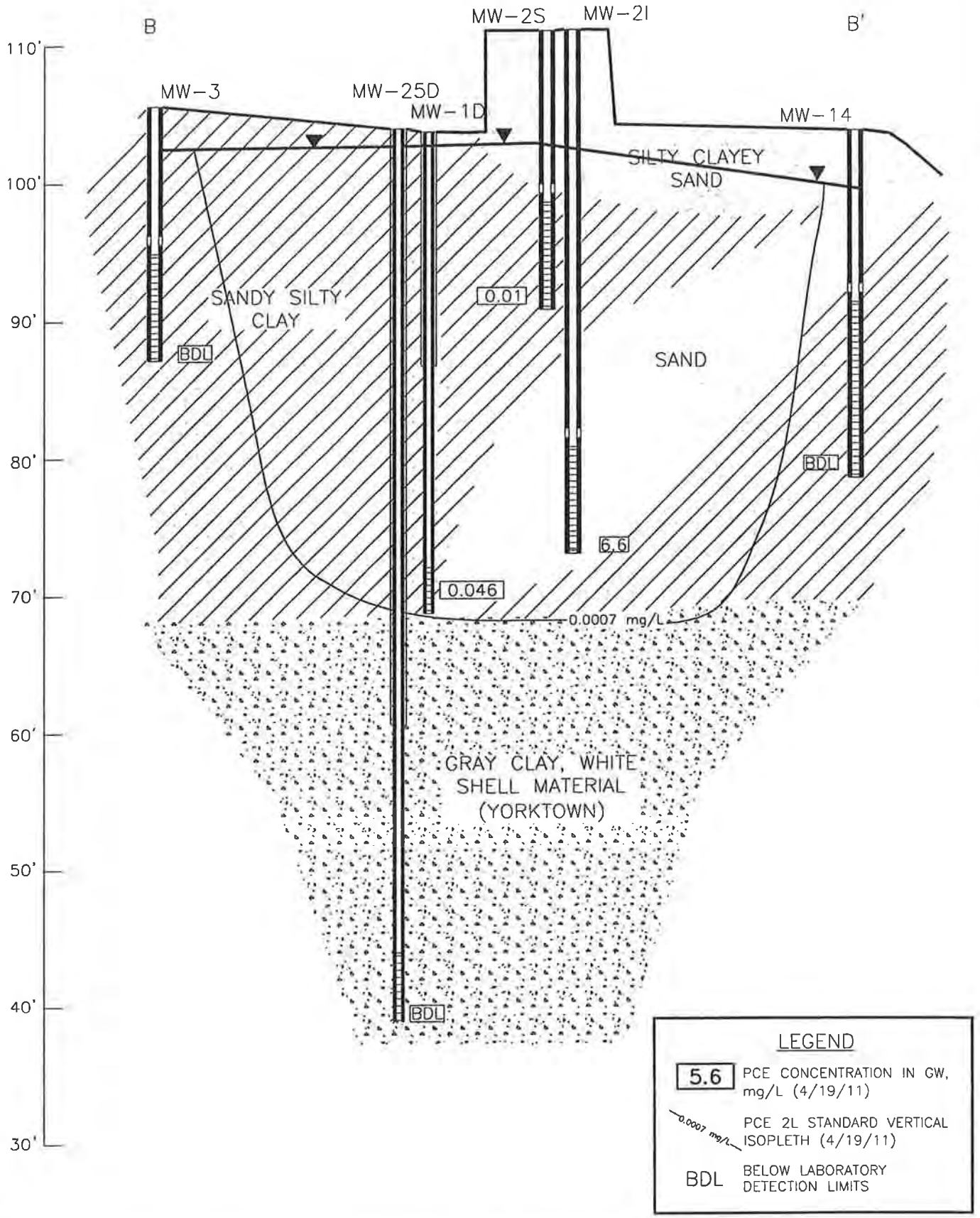
EXCLUSIVE CLEANERS DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

A-A' CROSS SECTION

Drawn By	Scale
WRP	VERT: 1"=20' HORZ: 1"=100'
Checked By	Date
DK	6/21/11

Job No. 2060496.16
Sheet No. 15A

K:\06\06-0490\060496 16-EXCLUSIVE CLEANERS (98-0004)\CAD\2060496 16_BASE_2010 09 DWG 6/28/2011 1:43 PM PERRY, ROSS 1:0 4297



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EXCLUSIVE CLEANERS
DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

SITE MAP

DRAWN BY:	SCALE: VERT: 1"=10' HORZ: 1"=60'	FIGURE NO.
ASP		15B
APPROVED BY:	DATE:	JOB NO:
DK	6/21/11	2060496.16

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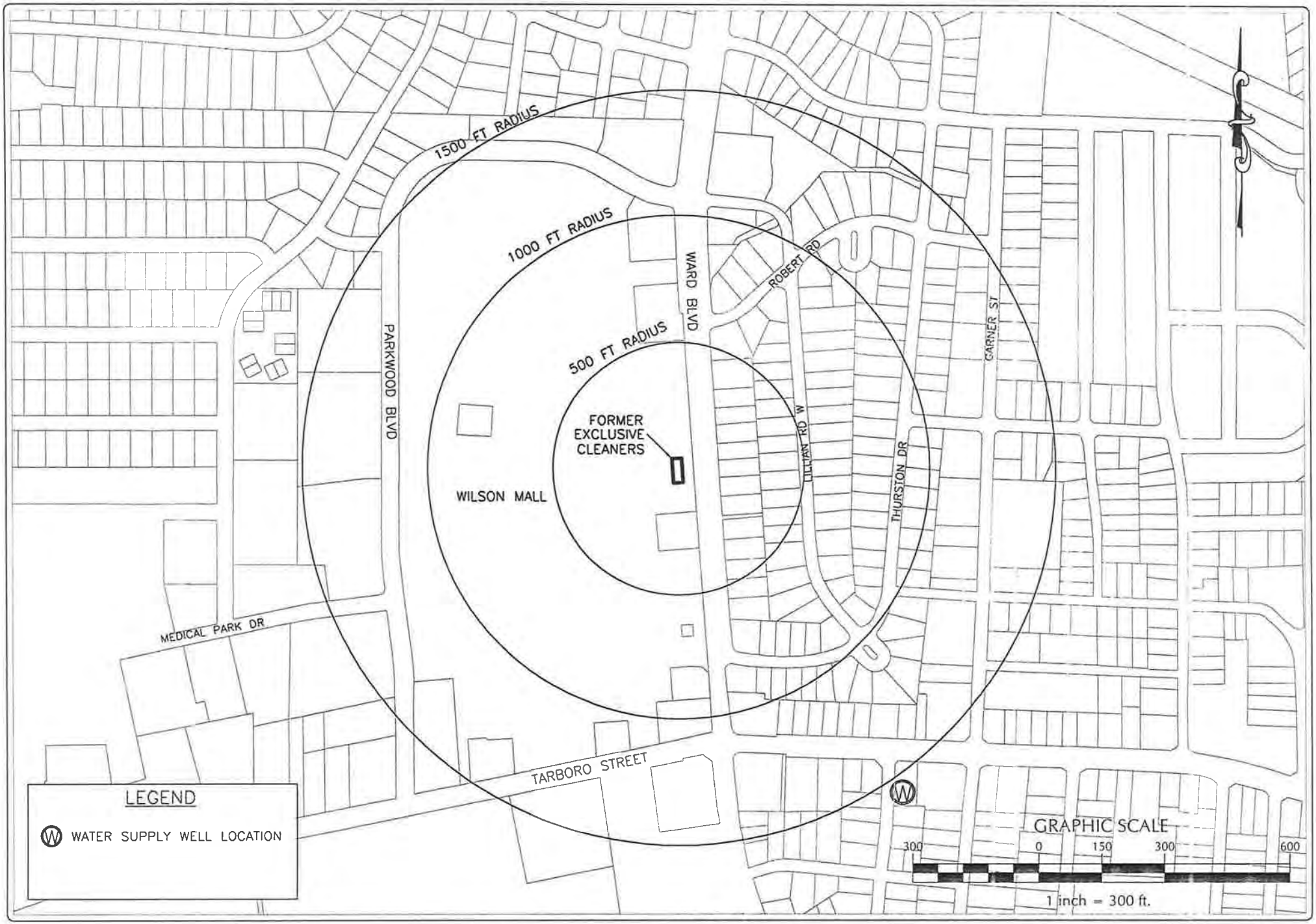

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Revisions		
No.	Description	Date

EXCLUSIVE CLEANERS DSCA ID NO.: 98-0004
1513 WARD BLVD
WILSON, NORTH CAROLINA

WATER SUPPLY WELL MAP

Drawn By	Scale
LP	1"=XX'
Checked By	Date
DK	9/24/07

Job No. 2060496.16
Sheet No. 16

K:\06\06-0490\060496.16-EXCLUSIVE CLEANERS (98-0004)\CAD\HISTORICAL MAPS\BASE-2009.DWG 6/28/2011 1:57 PM PERRY, ROSS 1:0.4297

ATTACHMENTS

ATTACHMENT 5
Well Construction Records

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2581

1. WELL CONTRACTOR:

BRIAN THOMAS
Well Contractor (Individual) Name

GEOLOGIC EXPLORATION, INC.
Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE | NC | 28625
City or Town | State | Zip Code

(704)- 872-7686
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-25D

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 10/25/10 - 10/26/10

TIME COMPLETED AM ☐ PM ☐

3. WELL LOCATION:

CITY: WILSON COUNTY WILSON

1513 WARD BLVD 27893
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE
LONGITUDE
May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY EXCLUSIVE CLEANERS

STREET ADDRESS 1513 WARD BLVD

WILSON | NC | 27893
City or Town | State | Zip Code

CONTACT PERSON NCDENR

MAILING ADDRESS 601 OBERLIN ROAD

RALEIGH | NC | 27605
City or Town | State | Zip Code

( )-
Area code - Phone number

5. WELL DETAILS:

a. **TOTAL DEPTH:** 65.0 FEET

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: 30.0 Ft.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0.0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

From	To	From	To
From	To	From	To
From	To	From	To

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0.0	To 60.0	Ft.	2 INCH	SCH 40	PVC
From 0.0	To 42.0	Ft.	6 INCH	SCH 40	PVC
From	To	Ft.			

7. GROUT:

	Depth		Material	Method
From 0.0	To 40.0	Ft.	Portland bentonite	SLURRY
From 0.0	To 42.0	Ft.	Portland bentonite	SLURRY
From	To	Ft.		

8. SCREEN:

	Depth		Diameter		Slot Size		Material
From 60.0	To 65.0	Ft.	2.0	in.	.010	in.	PVC
From	To	Ft.		in.		in.	
From	To	Ft.		in.		in.	

9. SAND/GRAVEL PACK:

	Depth		Size	Material
From 58.0	To 65.0	Ft.	20-40	FINE SILICA SAND
From	To	Ft.		
From	To	Ft.		

10. DRILLING LOG

From	To	Formation Description
0.0	2.0	GRAVEL/ASPHALT
2.0	9.0	RED SILTY CLAY
9.0	18.0	BROWN SILTY CLAY
18.0	29.0	TAN SILTY CLAY
29.0	34.0	GRAY SANDY CLAY
34.0	65.0	GRAY CLAY/SHELLS

11. REMARKS:

BENTONITE SEAL FROM 40.0 TO 58.0 FT

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 10/28/10

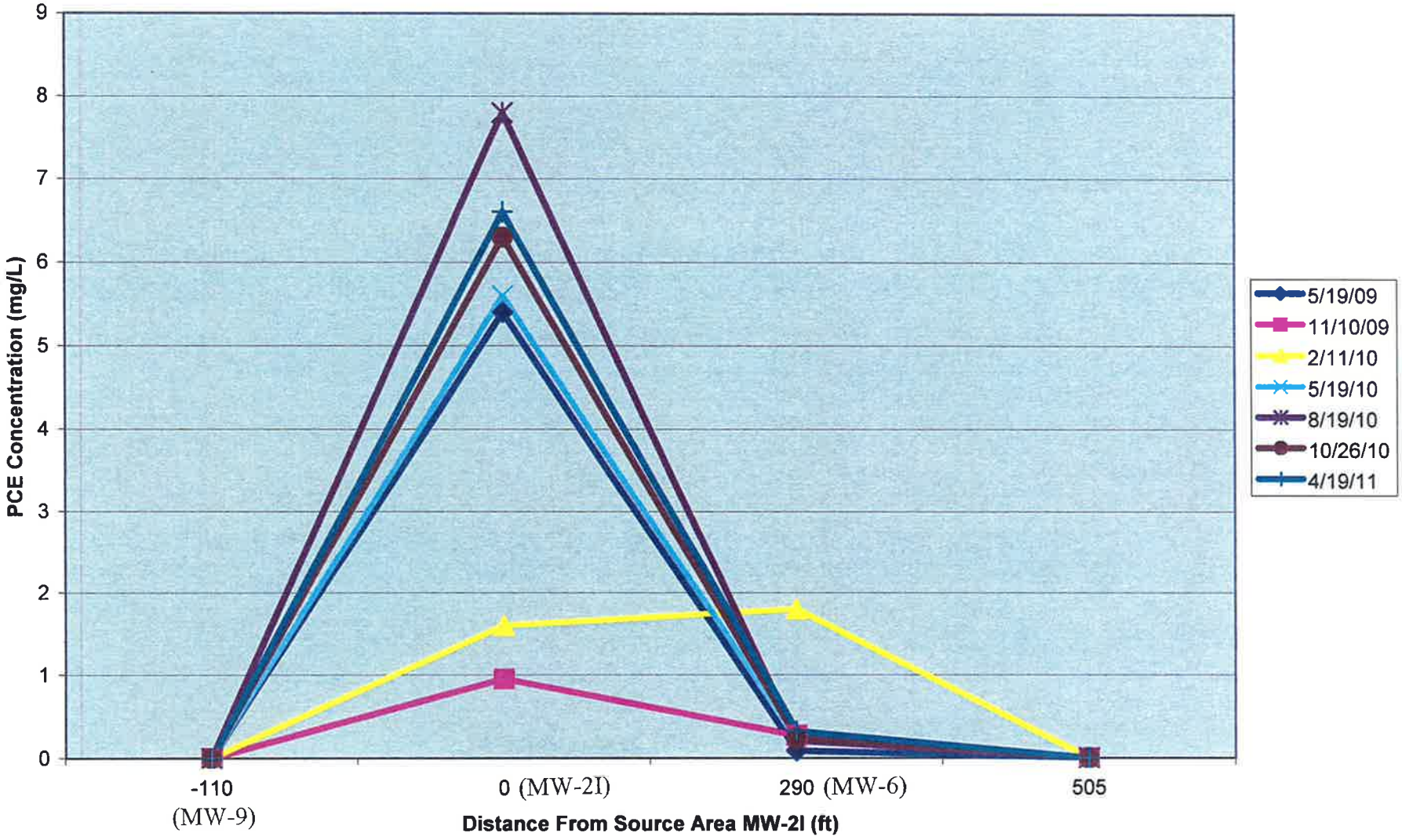
BRIAN THOMAS
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

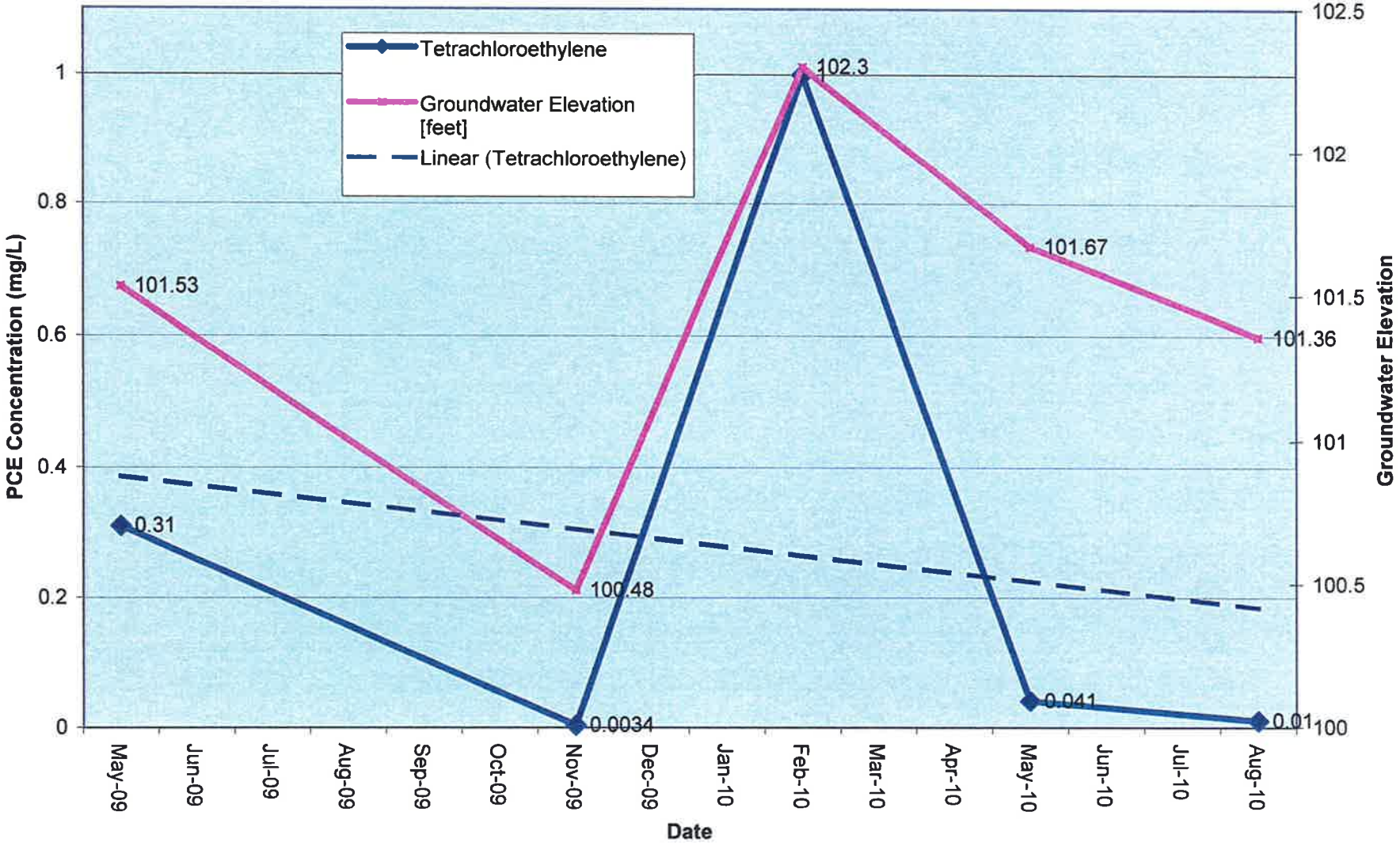
Form GW-1b
Rev. 7/05

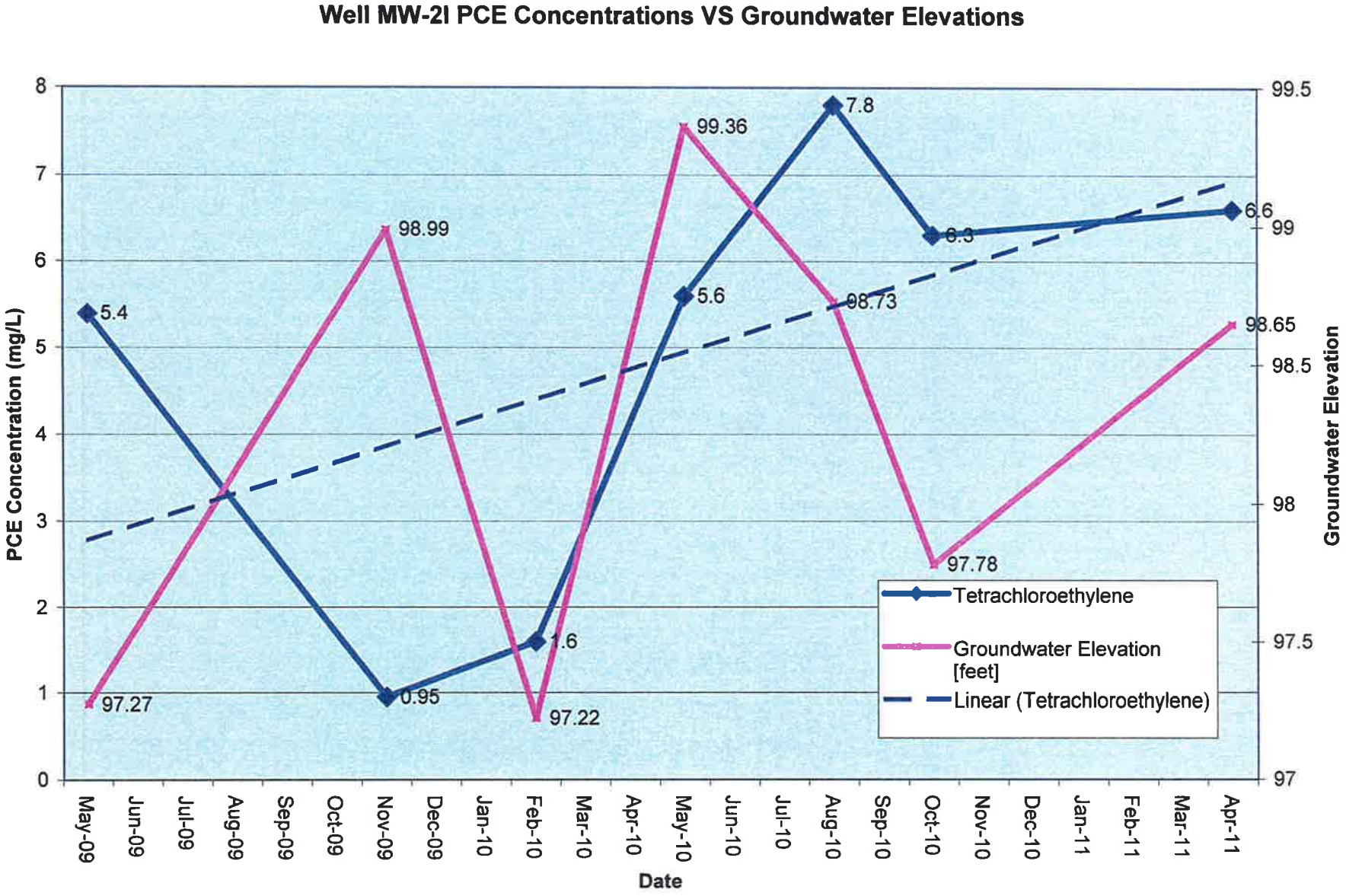
ATTACHMENT 8
Concentration Trends

PCE Concentration VS Distance

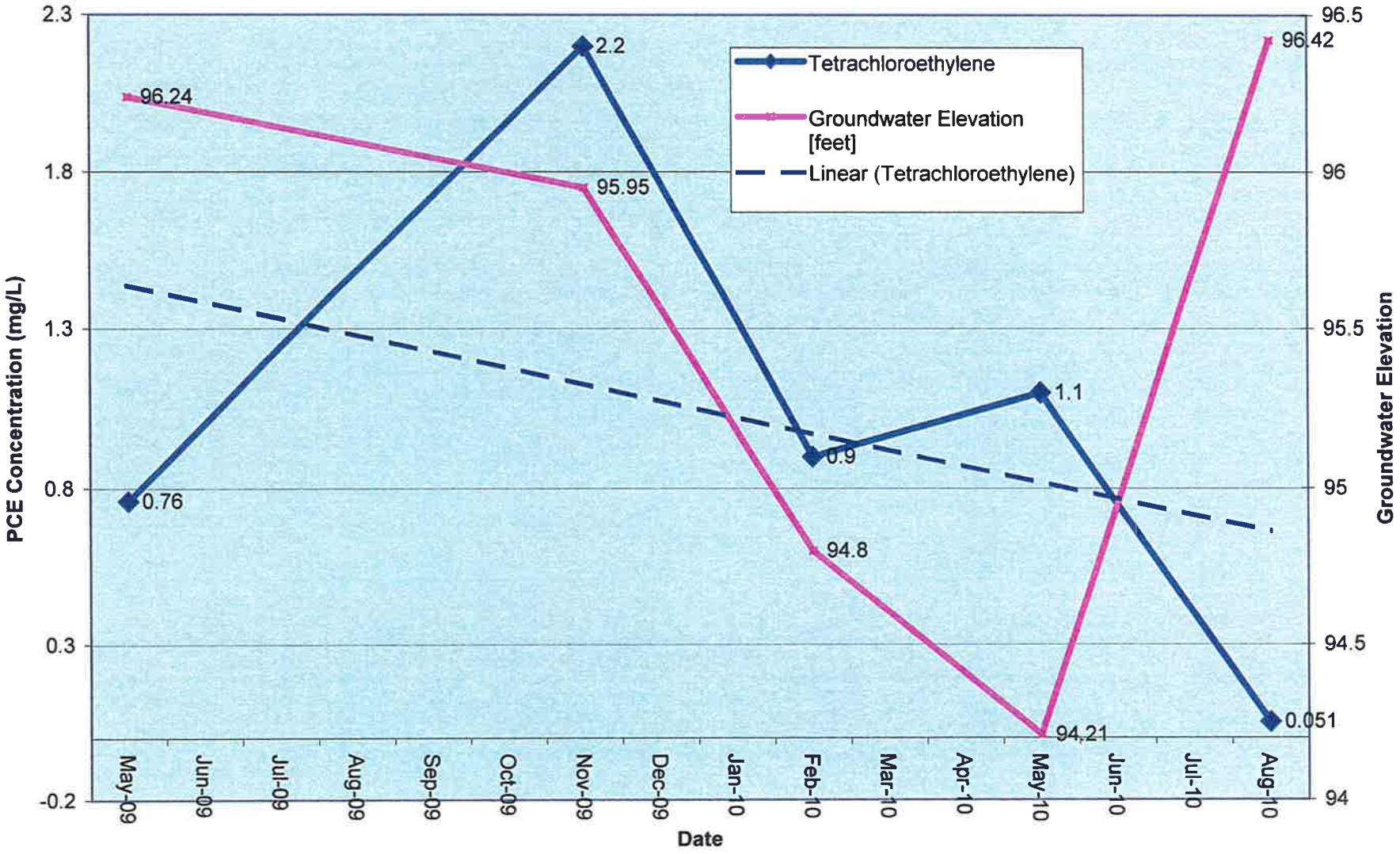


Well MW-2S PCE Concentrations VS Groundwater Elevations

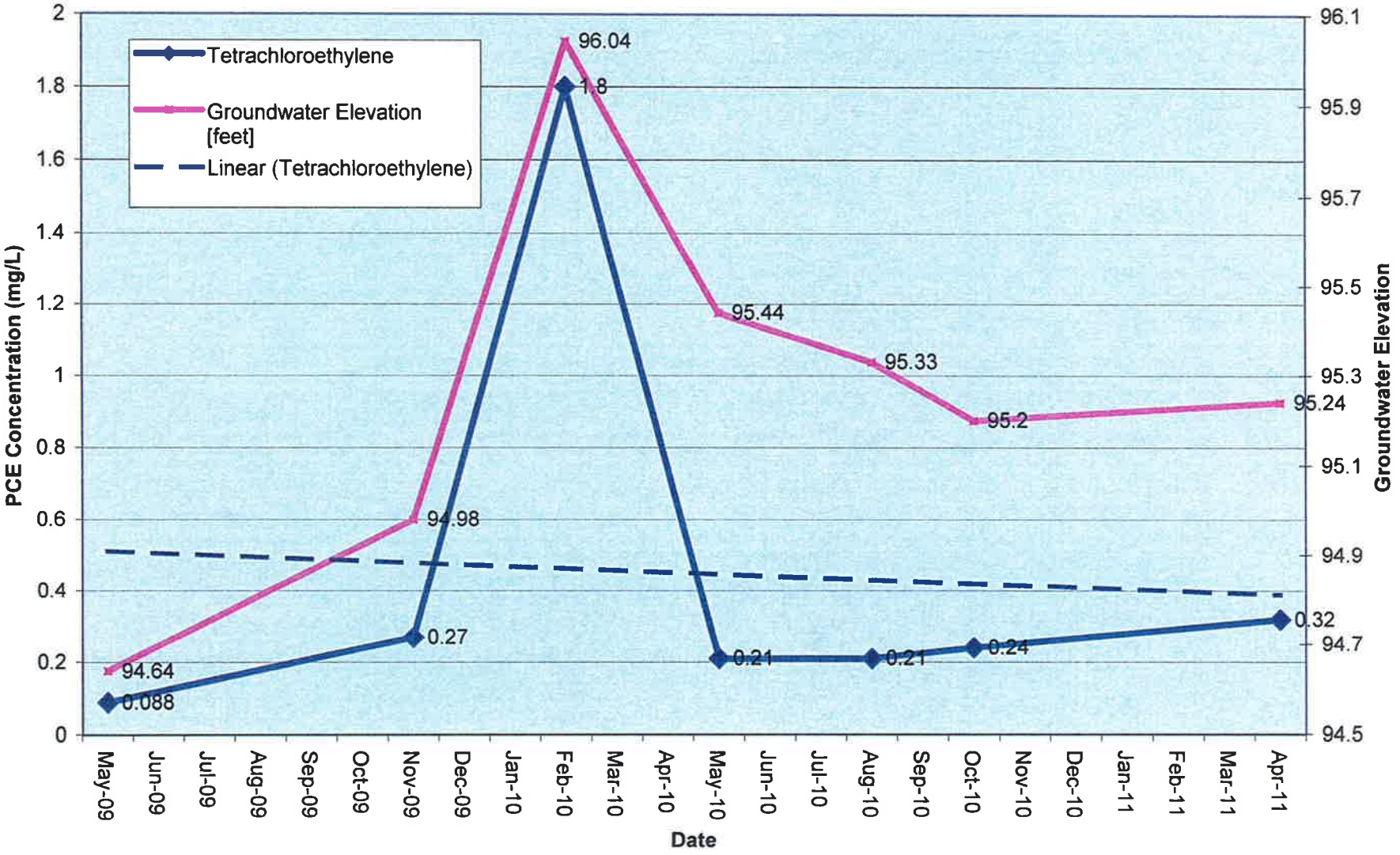



Well MW-2I PCE Concentrations VS Groundwater Elevations
PCE Concentration (mg/L)
Groundwater Elevation
Date
0
1
2
3
4
5
6
7
8
97
97.5
98
98.5
99
99.5
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09
Dec-09
Jan-10
Feb-10
Mar-10
Apr-10
May-10
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
5.4
0.95
1.6
5.6
7.8
6.3
6.6
97.27
98.99
97.22
99.36
98.73
97.78
98.65
Tetrachloroethylene
Groundwater Elevation [feet]
Linear (Tetrachloroethylene)

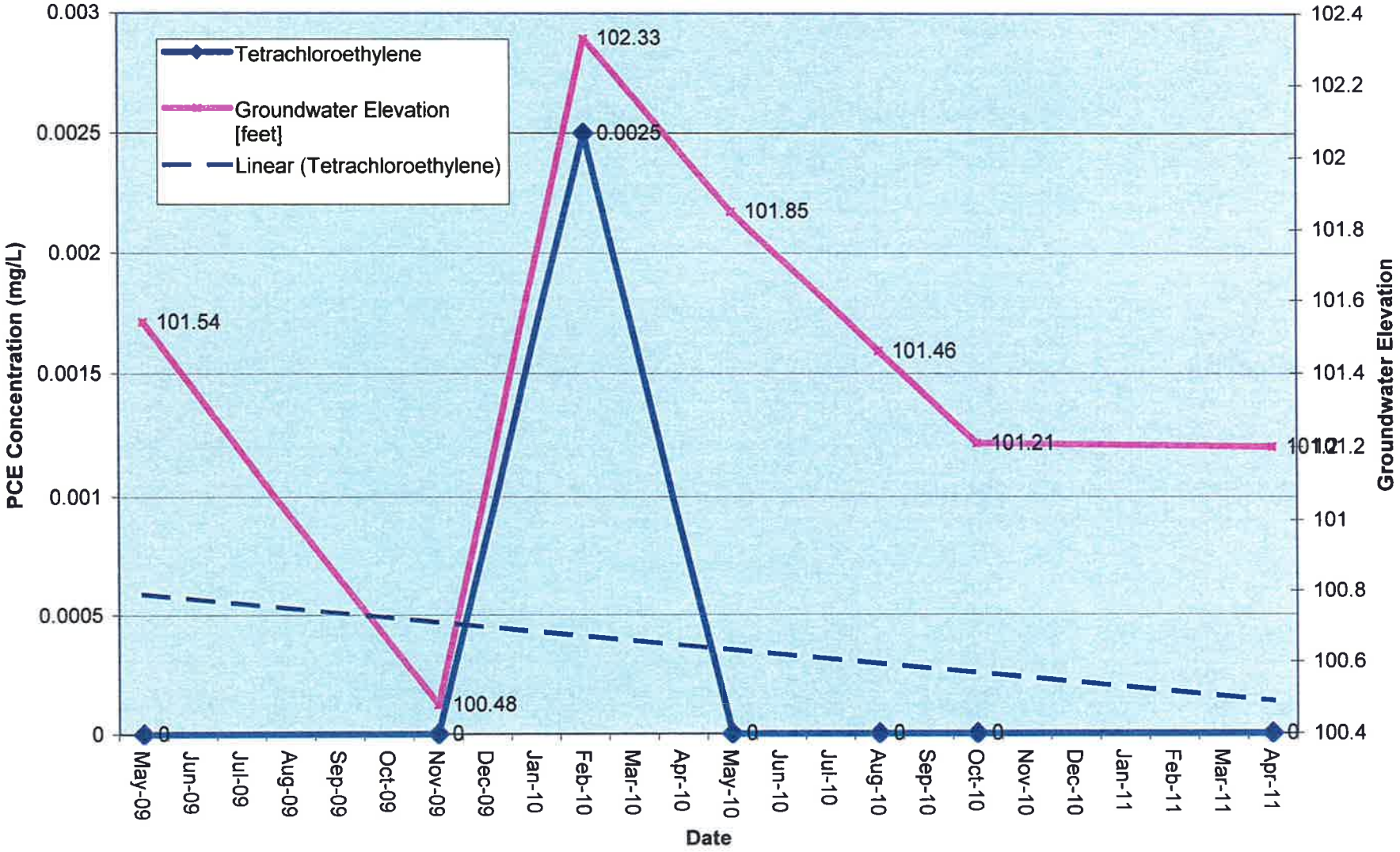
Well MW-4 PCE Concentrations VS Groundwater Elevations

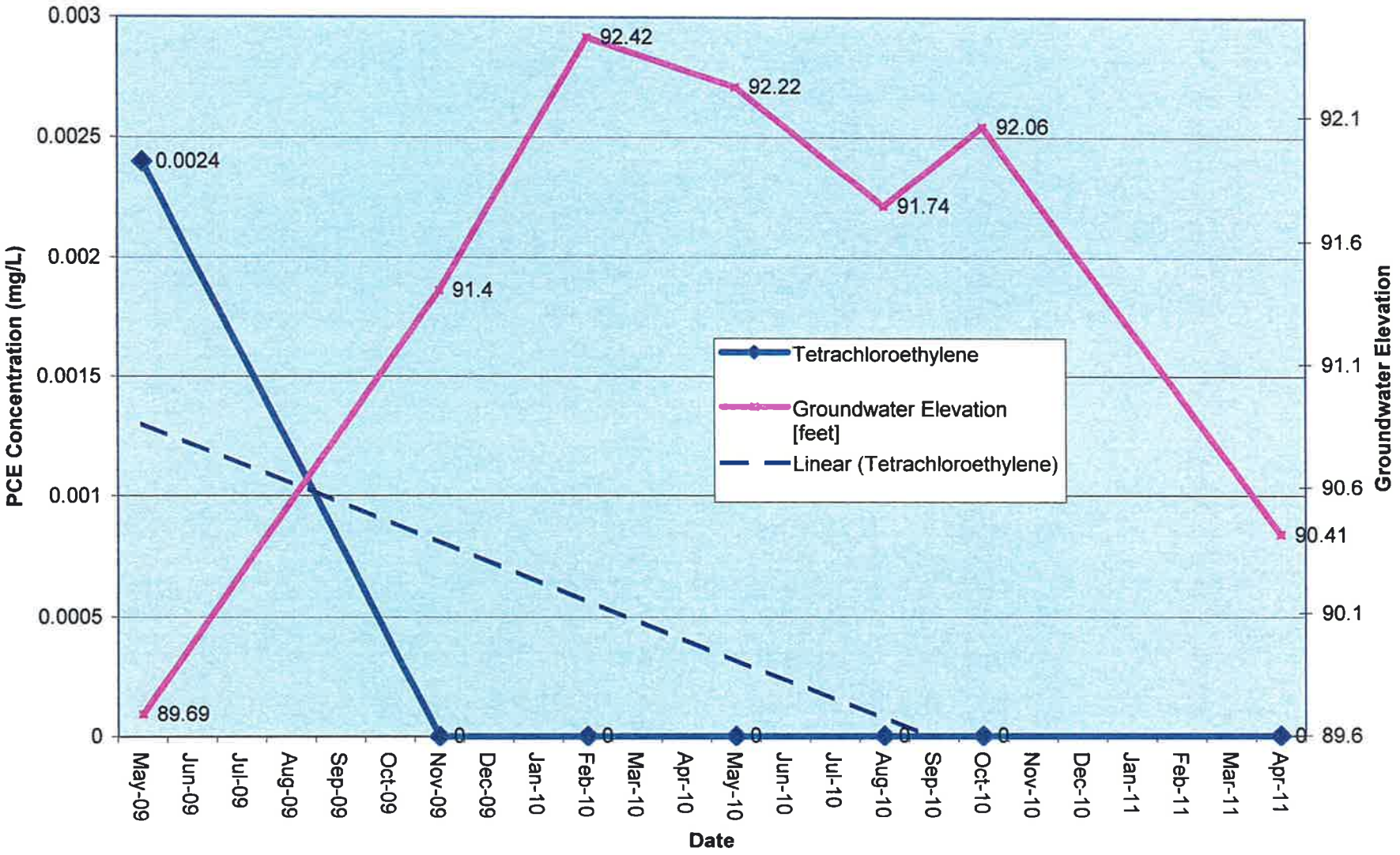


Well MW-6 PCE Concentrations VS Groundwater Elevations

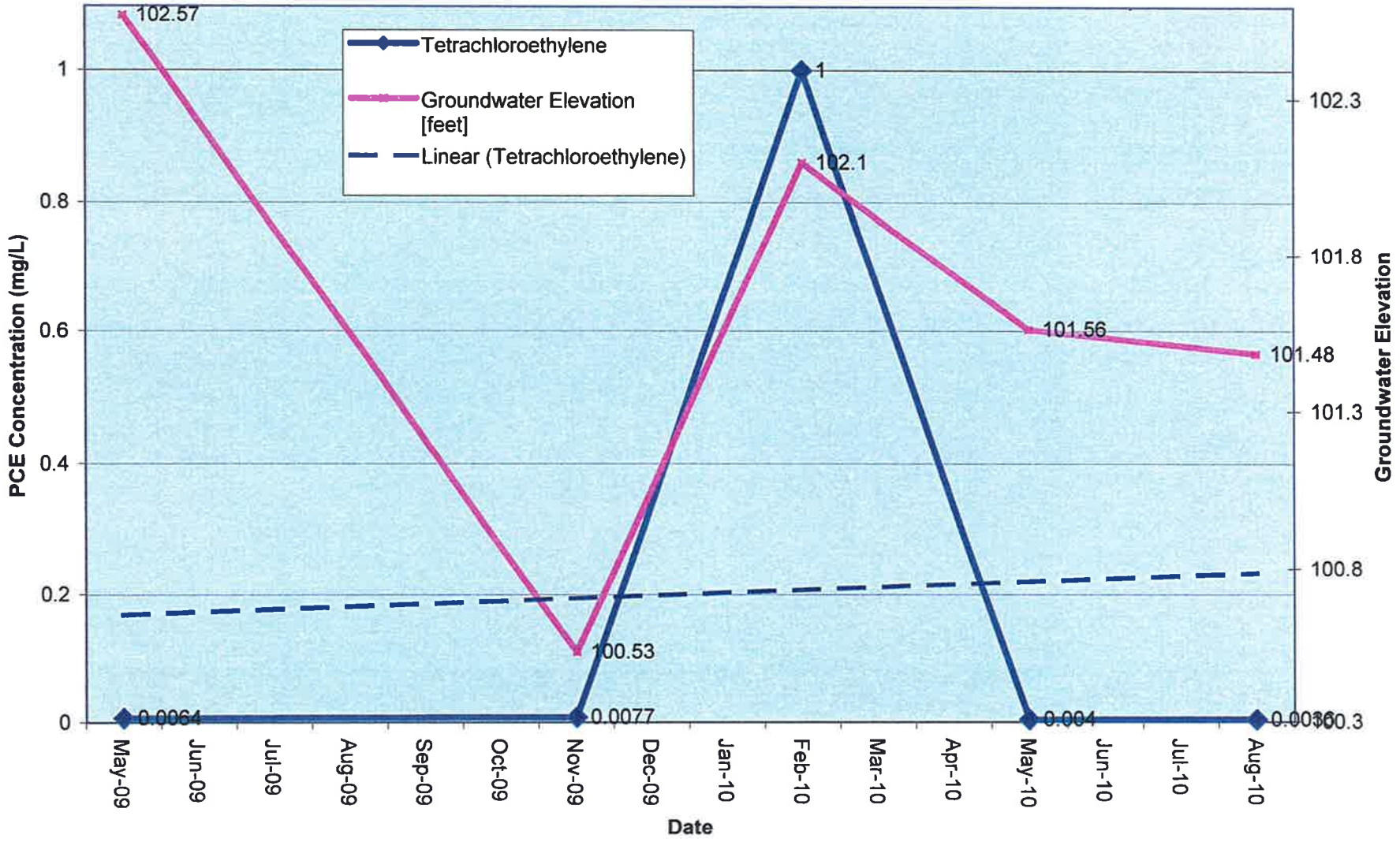


Well MW-9 PCE Concentrations VS Groundwater Elevations

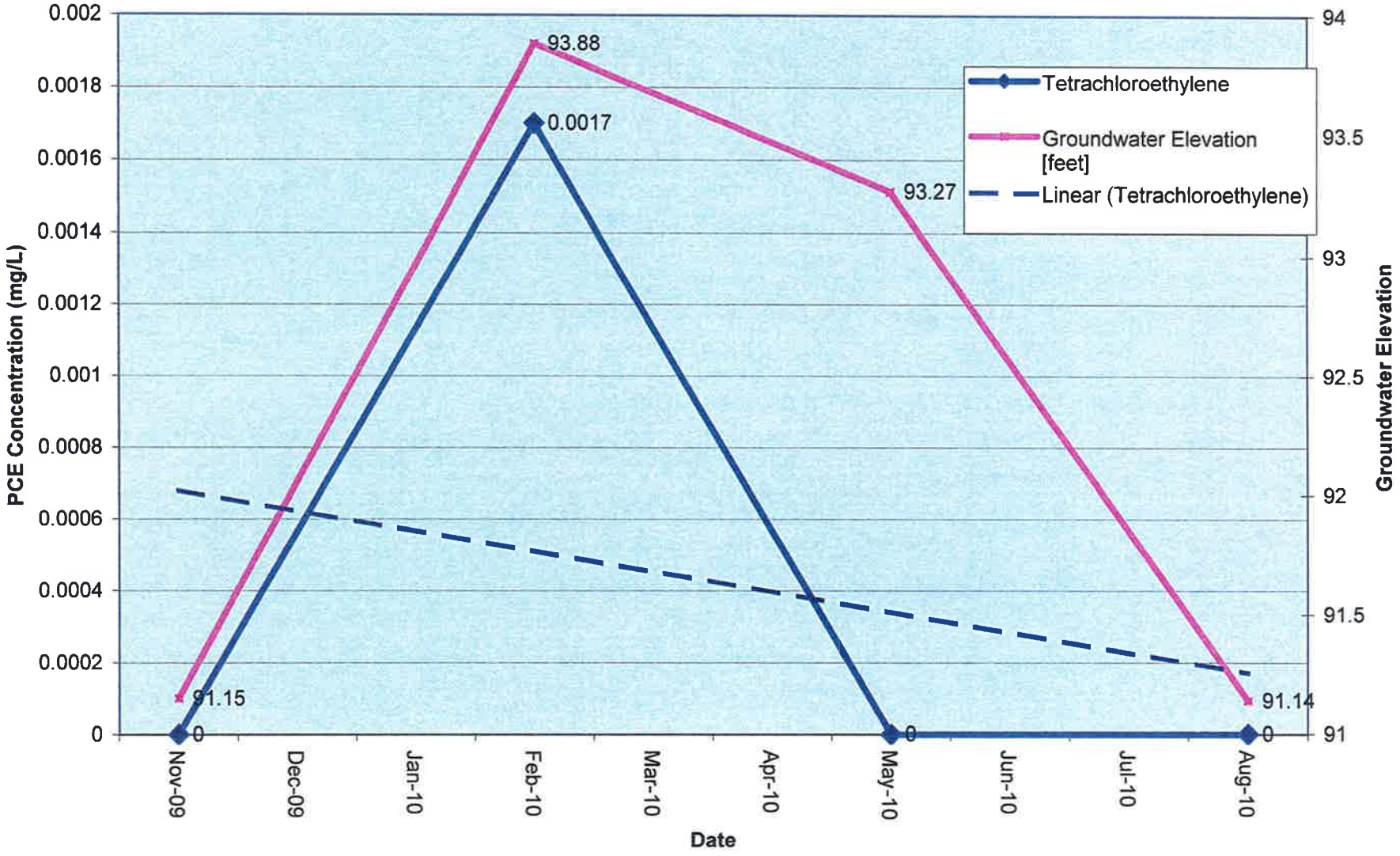



Well MW-10 PCE Concentrations VS Groundwater Elevations
PCE Concentration (mg/L)
Groundwater Elevation
Date
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
92.1
91.6
91.1
90.6
90.1
89.6
0.0024
89.69
91.4
92.42
92.22
91.74
92.06
90.41
0
Tetrachloroethylene
Groundwater Elevation [feet]
Linear (Tetrachloroethylene)
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09
Dec-09
Jan-10
Feb-10
Mar-10
Apr-10
May-10
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11

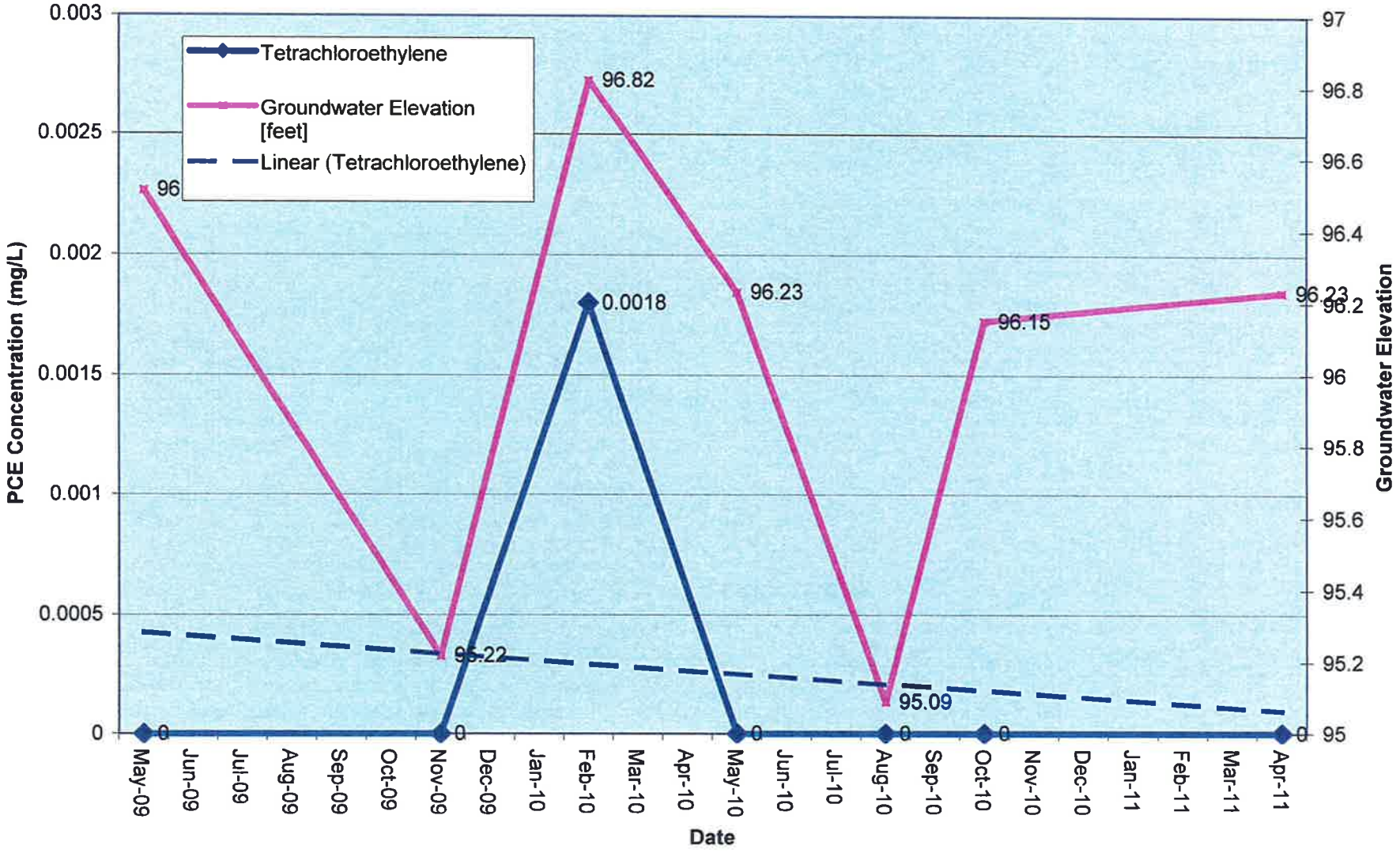
Well MW-11 PCE Concentrations VS Groundwater Elevations



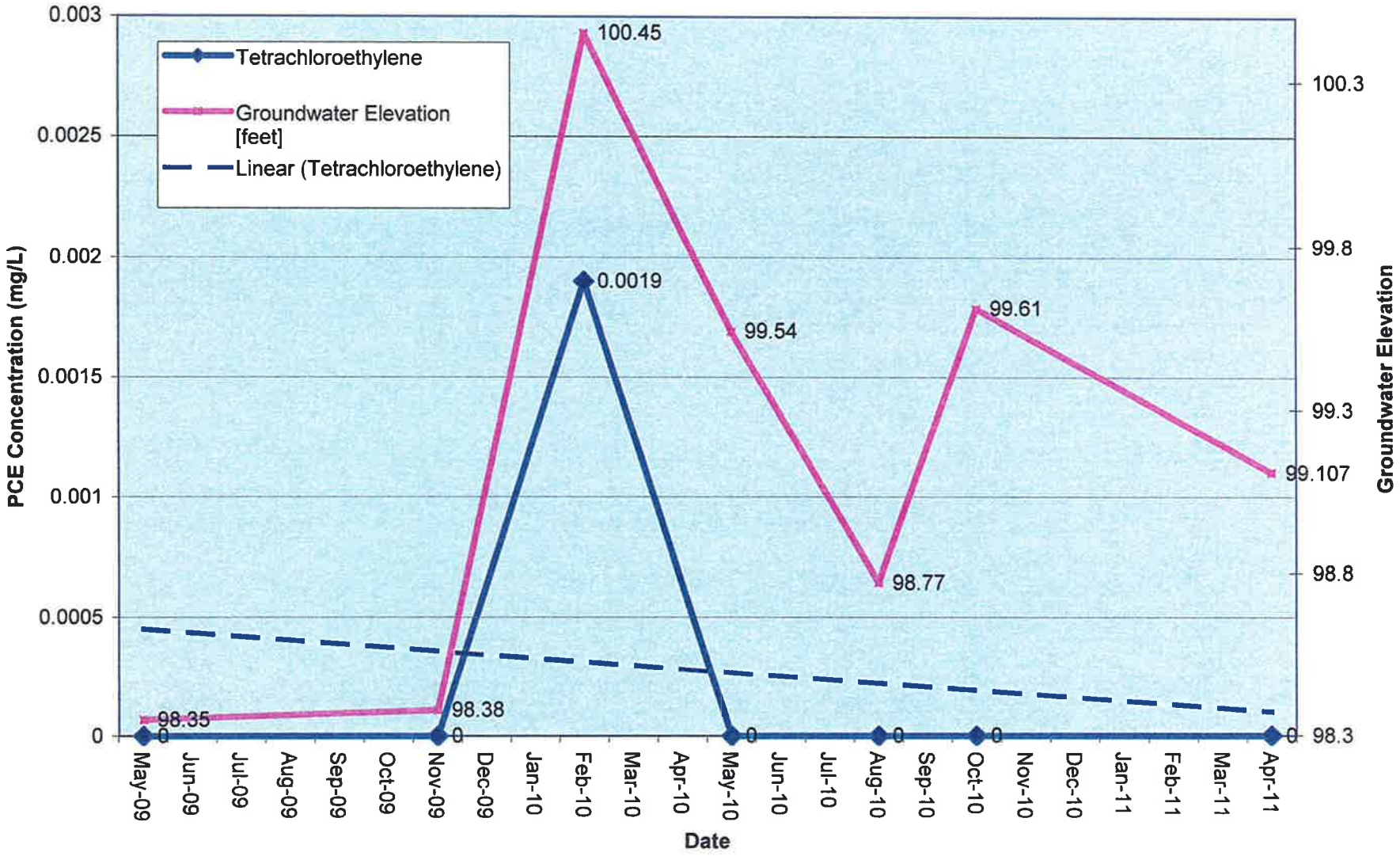
Well MW-12 PCE Concentrations VS Groundwater Elevations



Well MW-13 PCE Concentrations VS Groundwater Elevations



Well MW-14 PCE Concentrations VS Groundwater Elevations



ATTACHMENT 12
Laboratory Analytical Reports

ESC
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Tax I.D. 62-0814289

Est. 1970

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

Report Summary

Wednesday April 27, 2011

Report Number: L512368
Samples Received: 04/21/11
Client Project: 02060496.16

Description: Exclusive

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-01

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-1D

Collected By : Matt James
Collection Date : 04/19/11 13:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/22/11	1
Acrolein	BDL	50.	ug/l	8260B	04/22/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/22/11	1
Benzene	BDL	1.0	ug/l	8260B	04/22/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/22/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/22/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/22/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/22/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/22/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/22/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/22/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/22/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/22/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/22/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/22/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/22/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/22/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/22/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/22/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/22/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-01

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-1D

Collected By : Matt James
Collection Date : 04/19/11 13:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/22/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/22/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/22/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/22/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Styrene	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/22/11	1
Tetrachloroethene	4.6	1.0	ug/l	8260B	04/22/11	1
Toluene	BDL	5.0	ug/l	8260B	04/22/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/22/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/22/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/22/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/22/11	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	04/22/11	1
Dibromofluoromethane	101.		% Rec.	8260B	04/22/11	1
4-Bromofluorobenzene	111.		% Rec.	8260B	04/22/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27, 2011

ESC Sample # : L512368-02

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-2I

Collected By : Matt James
Collection Date : 04/19/11 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	2500	ug/l	8260B	04/22/11	50
Acrolein	BDL	2500	ug/l	8260B	04/22/11	50
Acrylonitrile	BDL	500	ug/l	8260B	04/22/11	50
Benzene	BDL	50.	ug/l	8260B	04/22/11	50
Bromobenzene	BDL	50.	ug/l	8260B	04/22/11	50
Bromodichloromethane	BDL	50.	ug/l	8260B	04/22/11	50
Bromoform	BDL	50.	ug/l	8260B	04/22/11	50
Bromomethane	BDL	250	ug/l	8260B	04/22/11	50
n-Butylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
sec-Butylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
tert-Butylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
Carbon tetrachloride	BDL	50.	ug/l	8260B	04/22/11	50
Chlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
Chlorodibromomethane	BDL	50.	ug/l	8260B	04/22/11	50
Chloroethane	BDL	250	ug/l	8260B	04/22/11	50
2-Chloroethyl vinyl ether	BDL	2500	ug/l	8260B	04/22/11	50
Chloroform	BDL	250	ug/l	8260B	04/22/11	50
Chloromethane	BDL	120	ug/l	8260B	04/22/11	50
2-Chlorotoluene	BDL	50.	ug/l	8260B	04/22/11	50
4-Chlorotoluene	BDL	50.	ug/l	8260B	04/22/11	50
1,2-Dibromo-3-Chloropropane	BDL	250	ug/l	8260B	04/22/11	50
1,2-Dibromoethane	BDL	50.	ug/l	8260B	04/22/11	50
Dibromomethane	BDL	50.	ug/l	8260B	04/22/11	50
1,2-Dichlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,3-Dichlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,4-Dichlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
Dichlorodifluoromethane	BDL	250	ug/l	8260B	04/22/11	50
1,1-Dichloroethane	BDL	50.	ug/l	8260B	04/22/11	50
1,2-Dichloroethane	BDL	50.	ug/l	8260B	04/22/11	50
1,1-Dichloroethene	BDL	50.	ug/l	8260B	04/22/11	50
cis-1,2-Dichloroethene	BDL	50.	ug/l	8260B	04/22/11	50
trans-1,2-Dichloroethene	BDL	50.	ug/l	8260B	04/22/11	50
1,2-Dichloropropane	BDL	50.	ug/l	8260B	04/22/11	50
1,1-Dichloropropene	BDL	50.	ug/l	8260B	04/22/11	50
1,3-Dichloropropane	BDL	50.	ug/l	8260B	04/22/11	50
cis-1,3-Dichloropropene	BDL	50.	ug/l	8260B	04/22/11	50
trans-1,3-Dichloropropene	BDL	50.	ug/l	8260B	04/22/11	50
2,2-Dichloropropane	BDL	50.	ug/l	8260B	04/22/11	50
Di-isopropyl ether	BDL	50.	ug/l	8260B	04/22/11	50
Ethylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
Hexachloro-1,3-butadiene	BDL	50.	ug/l	8260B	04/22/11	50
Isopropylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
p-Isopropyltoluene	BDL	50.	ug/l	8260B	04/22/11	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-02

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-2I

Collected By : Matt James
Collection Date : 04/19/11 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	500	ug/l	8260B	04/22/11	50
Methylene Chloride	BDL	250	ug/l	8260B	04/22/11	50
4-Methyl-2-pentanone (MIBK)	BDL	500	ug/l	8260B	04/22/11	50
Methyl tert-butyl ether	BDL	50.	ug/l	8260B	04/22/11	50
Naphthalene	BDL	250	ug/l	8260B	04/22/11	50
n-Propylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
Styrene	BDL	50.	ug/l	8260B	04/22/11	50
1,1,1,2-Tetrachloroethane	BDL	50.	ug/l	8260B	04/22/11	50
1,1,2,2-Tetrachloroethane	BDL	50.	ug/l	8260B	04/22/11	50
1,1,2-Trichloro-1,2,2-trifluoro	BDL	50.	ug/l	8260B	04/22/11	50
Tetrachloroethene	6600	50.	ug/l	8260B	04/22/11	50
Toluene	BDL	250	ug/l	8260B	04/22/11	50
1,2,3-Trichlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,2,4-Trichlorobenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,1,1-Trichloroethane	BDL	50.	ug/l	8260B	04/22/11	50
1,1,2-Trichloroethane	BDL	50.	ug/l	8260B	04/22/11	50
Trichloroethene	BDL	50.	ug/l	8260B	04/22/11	50
Trichlorofluoromethane	BDL	250	ug/l	8260B	04/22/11	50
1,2,3-Trichloropropane	BDL	120	ug/l	8260B	04/22/11	50
1,2,4-Trimethylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,2,3-Trimethylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
1,3,5-Trimethylbenzene	BDL	50.	ug/l	8260B	04/22/11	50
Vinyl chloride	BDL	50.	ug/l	8260B	04/22/11	50
Xylenes, Total	BDL	150	ug/l	8260B	04/22/11	50
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	04/22/11	50
Dibromofluoromethane	100.		% Rec.	8260B	04/22/11	50
4-Bromofluorobenzene	109.		% Rec.	8260B	04/22/11	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-03

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-3

Collected By : Matt James
Collection Date : 04/19/11 12:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/22/11	1
Acrolein	BDL	50.	ug/l	8260B	04/22/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/22/11	1
Benzene	BDL	1.0	ug/l	8260B	04/22/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/22/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/22/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/22/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/22/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/22/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/22/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/22/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/22/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/22/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/22/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/22/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/22/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/22/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/22/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/22/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/22/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/22/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/22/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-03

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-3

Collected By :
Collection Date : 04/19/11 12:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/22/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/22/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/22/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/22/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Styrene	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/22/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
Toluene	BDL	5.0	ug/l	8260B	04/22/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/22/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/22/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/22/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/22/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/22/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/22/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/22/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/22/11	1
Dibromofluoromethane	101.		% Rec.	8260B	04/22/11	1
4-Bromofluorobenzene	67.9		% Rec.	8260B	04/22/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-04

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-6

Collected By : Matt James
Collection Date : 04/19/11 12:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	100	ug/l	8260B	04/22/11	2
Acrolein	BDL	100	ug/l	8260B	04/22/11	2
Acrylonitrile	BDL	20.	ug/l	8260B	04/22/11	2
Benzene	BDL	2.0	ug/l	8260B	04/22/11	2
Bromobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Bromodichloromethane	BDL	2.0	ug/l	8260B	04/22/11	2
Bromoform	BDL	2.0	ug/l	8260B	04/22/11	2
Bromomethane	BDL	10.	ug/l	8260B	04/22/11	2
n-Butylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
sec-Butylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
tert-Butylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Carbon tetrachloride	BDL	2.0	ug/l	8260B	04/22/11	2
Chlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Chlorodibromomethane	BDL	2.0	ug/l	8260B	04/22/11	2
Chloroethane	BDL	10.	ug/l	8260B	04/22/11	2
2-Chloroethyl vinyl ether	BDL	100	ug/l	8260B	04/22/11	2
Chloroform	BDL	10.	ug/l	8260B	04/22/11	2
Chloromethane	BDL	5.0	ug/l	8260B	04/22/11	2
2-Chlorotoluene	BDL	2.0	ug/l	8260B	04/22/11	2
4-Chlorotoluene	BDL	2.0	ug/l	8260B	04/22/11	2
1,2-Dibromo-3-Chloropropane	BDL	10.	ug/l	8260B	04/22/11	2
1,2-Dibromoethane	BDL	2.0	ug/l	8260B	04/22/11	2
Dibromomethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,2-Dichlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,3-Dichlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,4-Dichlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Dichlorodifluoromethane	BDL	10.	ug/l	8260B	04/22/11	2
1,1-Dichloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,2-Dichloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,1-Dichloroethene	BDL	2.0	ug/l	8260B	04/22/11	2
cis-1,2-Dichloroethene	BDL	2.0	ug/l	8260B	04/22/11	2
trans-1,2-Dichloroethene	BDL	2.0	ug/l	8260B	04/22/11	2
1,2-Dichloropropane	BDL	2.0	ug/l	8260B	04/22/11	2
1,1-Dichloropropene	BDL	2.0	ug/l	8260B	04/22/11	2
1,3-Dichloropropane	BDL	2.0	ug/l	8260B	04/22/11	2
cis-1,3-Dichloropropene	BDL	2.0	ug/l	8260B	04/22/11	2
trans-1,3-Dichloropropene	BDL	2.0	ug/l	8260B	04/22/11	2
2,2-Dichloropropane	BDL	2.0	ug/l	8260B	04/22/11	2
Di-isopropyl ether	BDL	2.0	ug/l	8260B	04/22/11	2
Ethylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Hexachloro-1,3-butadiene	BDL	2.0	ug/l	8260B	04/22/11	2
Isopropylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
p-Isopropyltoluene	BDL	2.0	ug/l	8260B	04/22/11	2

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-04

Date Received : April 21, 2011
Description : Exclusive Cleaners

Site ID : 98-0004

Sample ID : MW-6

Project # : 02060496.16

Collected By : Matt James
Collection Date : 04/19/11 12:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	20.	ug/l	8260B	04/22/11	2
Methylene Chloride	BDL	10.	ug/l	8260B	04/22/11	2
4-Methyl-2-pentanone (MIBK)	BDL	20.	ug/l	8260B	04/22/11	2
Methyl tert-butyl ether	BDL	2.0	ug/l	8260B	04/22/11	2
Naphthalene	BDL	10.	ug/l	8260B	04/22/11	2
n-Propylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Styrene	BDL	2.0	ug/l	8260B	04/22/11	2
1,1,1,2-Tetrachloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,1,2,2-Tetrachloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,1,2-Trichloro-1,2,2-trifluoro	BDL	2.0	ug/l	8260B	04/22/11	2
Tetrachloroethene	320	2.0	ug/l	8260B	04/22/11	2
Toluene	BDL	10.	ug/l	8260B	04/22/11	2
1,2,3-Trichlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,2,4-Trichlorobenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,1,1-Trichloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
1,1,2-Trichloroethane	BDL	2.0	ug/l	8260B	04/22/11	2
Trichloroethene	2.0	2.0	ug/l	8260B	04/22/11	2
Trichlorofluoromethane	BDL	10.	ug/l	8260B	04/22/11	2
1,2,3-Trichloropropane	BDL	5.0	ug/l	8260B	04/22/11	2
1,2,4-Trimethylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,2,3-Trimethylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
1,3,5-Trimethylbenzene	BDL	2.0	ug/l	8260B	04/22/11	2
Vinyl chloride	BDL	2.0	ug/l	8260B	04/22/11	2
Xylenes, Total	BDL	6.0	ug/l	8260B	04/22/11	2
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/22/11	2
Dibromofluoromethane	101.		% Rec.	8260B	04/22/11	2
4-Bromofluorobenzene	108.		% Rec.	8260B	04/22/11	2

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-05

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-7

Collected By : Matt James
Collection Date : 04/19/11 12:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-05

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-7

Collected By :
Collection Date : 04/19/11 12:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	103.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	102.		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-06

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-9

Collected By : Matt James
Collection Date : 04/19/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-06

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-9

Collected By :
Collection Date : 04/19/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	102.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	98.8		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-07

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-10

Collected By : Matt James
Collection Date : 04/19/11 10:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-07

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-10

Collected By : Matt James
Collection Date : 04/19/11 10:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	103.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-08

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-13

Collected By : Matt James
Collection Date : 04/19/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-08

Date Received : April 21, 2011
Description : Exclusive Cleaners

Site ID : 98-0004

Sample ID : MW-13

Project # : 02060496.16

Collected By : Matt James
Collection Date : 04/19/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	102.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-09

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-14

Collected By : Matt James
Collection Date : 04/19/11 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-09

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-14

Collected By : Matt James
Collection Date : 04/19/11 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	102.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-10

Site ID : 98-0004

Project # : 02060496.16

Date Received : April 21, 2011
Description : Exclusive Cleaners

Sample ID : MW-25D

Collected By : Matt James
Collection Date : 04/19/11 12:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/23/11	1
Acrolein	BDL	50.	ug/l	8260B	04/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/23/11	1
Benzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/23/11	1
Chloroform	10.	5.0	ug/l	8260B	04/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

David Kwiatkowski
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

April 27,2011

ESC Sample # : L512368-10

Date Received : April 21, 2011
Description : Exclusive Cleaners

Site ID : 98-0004

Sample ID : MW-25D

Project # : 02060496.16

Collected By : Matt James
Collection Date : 04/19/11 12:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Styrene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/23/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Toluene	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/23/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/23/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/23/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/23/11	1
Dibromofluoromethane	102.		% Rec.	8260B	04/23/11	1
4-Bromofluorobenzene	98.7		% Rec.	8260B	04/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 04/27/11 09:19 Printed: 04/27/11 09:20

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L512368-01	WG532209	SAMP	Acetone	R1660170	J3
	WG532209	SAMP	Acrolein	R1660170	J4
	WG532209	SAMP	Styrene	R1660170	J4
L512368-02	WG532209	SAMP	Acetone	R1660170	J3
	WG532209	SAMP	Acrolein	R1660170	J4
	WG532209	SAMP	Styrene	R1660170	J4
L512368-03	WG532209	SAMP	Acetone	R1660170	J3
	WG532209	SAMP	Acrolein	R1660170	J4
	WG532209	SAMP	Styrene	R1660170	J4
	WG532209	SAMP	4-Bromofluorobenzene	R1660170	J2
L512368-04	WG532209	SAMP	Acetone	R1660170	J3
	WG532209	SAMP	Acrolein	R1660170	J4
	WG532209	SAMP	Styrene	R1660170	J4
L512368-05	WG532210	SAMP	Styrene	R1663592	J4
L512368-06	WG532210	SAMP	Styrene	R1663592	J4
L512368-07	WG532210	SAMP	Styrene	R1663592	J4
L512368-08	WG532210	SAMP	Styrene	R1663592	J4
L512368-09	WG532210	SAMP	Styrene	R1663592	J4
L512368-10	WG532210	SAMP	Styrene	R1663592	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
04/27/11 at 09:20:47

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L512368-01 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-02 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-03 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-04 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-05 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-06 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-07 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-08 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-09 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

Sample: L512368-10 Account: WITHRAVD Received: 04/21/11 11:45 Due Date: 04/28/11 00:00 RPT Date: 04/27/11 09:19

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Est. 1970

Withers & Ravenel Eng. - DSCA
David Kwiatkowski
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1,1-Trichloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1,2-Trichloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1-Dichloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,1-Dichloroethene	< .001	mg/l			WG532209	04/22/11 12:58
1,1-Dichloropropene	< .001	mg/l			WG532209	04/22/11 12:58
1,2,3-Trichlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,2,3-Trichloropropane	< .001	mg/l			WG532209	04/22/11 12:58
1,2,3-Trimethylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,2,4-Trichlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,2,4-Trimethylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG532209	04/22/11 12:58
1,2-Dibromoethane	< .001	mg/l			WG532209	04/22/11 12:58
1,2-Dichlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,2-Dichloroethane	< .001	mg/l			WG532209	04/22/11 12:58
1,2-Dichloropropane	< .001	mg/l			WG532209	04/22/11 12:58
1,3,5-Trimethylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,3-Dichlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
1,3-Dichloropropane	< .001	mg/l			WG532209	04/22/11 12:58
1,4-Dichlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
2,2-Dichloropropane	< .001	mg/l			WG532209	04/22/11 12:58
2-Butanone (MEK)	< .01	mg/l			WG532209	04/22/11 12:58
2-Chloroethyl vinyl ether	< .05	mg/l			WG532209	04/22/11 12:58
2-Chlorotoluene	< .001	mg/l			WG532209	04/22/11 12:58
4-Chlorotoluene	< .001	mg/l			WG532209	04/22/11 12:58
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG532209	04/22/11 12:58
Acetone	< .05	mg/l			WG532209	04/22/11 12:58
Acrolein	< .025	mg/l			WG532209	04/22/11 12:58
Acrylonitrile	< .01	mg/l			WG532209	04/22/11 12:58
Benzene	< .001	mg/l			WG532209	04/22/11 12:58
Bromobenzene	< .001	mg/l			WG532209	04/22/11 12:58
Bromodichloromethane	< .001	mg/l			WG532209	04/22/11 12:58
Bromoform	< .001	mg/l			WG532209	04/22/11 12:58
Bromomethane	< .005	mg/l			WG532209	04/22/11 12:58
Carbon tetrachloride	< .001	mg/l			WG532209	04/22/11 12:58
Chlorobenzene	< .001	mg/l			WG532209	04/22/11 12:58
Chlorodibromomethane	< .001	mg/l			WG532209	04/22/11 12:58
Chloroethane	< .005	mg/l			WG532209	04/22/11 12:58
Chloroform	< .005	mg/l			WG532209	04/22/11 12:58
Chloromethane	< .0025	mg/l			WG532209	04/22/11 12:58
cis-1,2-Dichloroethene	< .001	mg/l			WG532209	04/22/11 12:58
cis-1,3-Dichloropropene	< .001	mg/l			WG532209	04/22/11 12:58
Di-isopropyl ether	< .001	mg/l			WG532209	04/22/11 12:58
Dibromomethane	< .001	mg/l			WG532209	04/22/11 12:58
Dichlorodifluoromethane	< .005	mg/l			WG532209	04/22/11 12:58
Ethylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
Hexachloro-1,3-butadiene	< .001	mg/l			WG532209	04/22/11 12:58
Isopropylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
Methyl tert-butyl ether	< .001	mg/l			WG532209	04/22/11 12:58
Methylene Chloride	< .005	mg/l			WG532209	04/22/11 12:58
n-Butylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
n-Propylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
Naphthalene	< .005	mg/l			WG532209	04/22/11 12:58
p-Isopropyltoluene	< .001	mg/l			WG532209	04/22/11 12:58
sec-Butylbenzene	< .001	mg/l			WG532209	04/22/11 12:58
Styrene	< .001	mg/l			WG532209	04/22/11 12:58
tert-Butylbenzene	< .001	mg/l			WG532209	04/22/11 12:58

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Quality Assurance Report
Level II

L512368

April 27, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG532209	04/22/11 12:58
Toluene	< .005	mg/l			WG532209	04/22/11 12:58
trans-1,2-Dichloroethene	< .001	mg/l			WG532209	04/22/11 12:58
trans-1,3-Dichloropropene	< .001	mg/l			WG532209	04/22/11 12:58
Trichloroethene	< .001	mg/l			WG532209	04/22/11 12:58
Trichlorofluoromethane	< .005	mg/l			WG532209	04/22/11 12:58
Vinyl chloride	< .001	mg/l			WG532209	04/22/11 12:58
Xylenes, Total	< .003	mg/l			WG532209	04/22/11 12:58
4-Bromofluorobenzene		% Rec.	110.7	75-128	WG532209	04/22/11 12:58
Dibromofluoromethane		% Rec.	99.83	79-125	WG532209	04/22/11 12:58
Toluene-d8		% Rec.	102.2	87-114	WG532209	04/22/11 12:58
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1,1-Trichloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1,2-Trichloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1-Dichloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,1-Dichloroethene	< .001	mg/l			WG532210	04/23/11 01:20
1,1-Dichloropropene	< .001	mg/l			WG532210	04/23/11 01:20
1,2,3-Trichlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,2,3-Trichloropropane	< .001	mg/l			WG532210	04/23/11 01:20
1,2,3-Trimethylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,2,4-Trichlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,2,4-Trimethylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG532210	04/23/11 01:20
1,2-Dibromoethane	< .001	mg/l			WG532210	04/23/11 01:20
1,2-Dichlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,2-Dichloroethane	< .001	mg/l			WG532210	04/23/11 01:20
1,2-Dichloropropane	< .001	mg/l			WG532210	04/23/11 01:20
1,3,5-Trimethylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,3-Dichlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
1,3-Dichloropropane	< .001	mg/l			WG532210	04/23/11 01:20
1,4-Dichlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
2,2-Dichloropropane	< .001	mg/l			WG532210	04/23/11 01:20
2-Butanone (MEK)	< .01	mg/l			WG532210	04/23/11 01:20
2-Chloroethyl vinyl ether	< .05	mg/l			WG532210	04/23/11 01:20
2-Chlorotoluene	< .001	mg/l			WG532210	04/23/11 01:20
4-Chlorotoluene	< .001	mg/l			WG532210	04/23/11 01:20
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG532210	04/23/11 01:20
Acetone	< .05	mg/l			WG532210	04/23/11 01:20
Acrolein	< .025	mg/l			WG532210	04/23/11 01:20
Acrylonitrile	< .01	mg/l			WG532210	04/23/11 01:20
Benzene	< .001	mg/l			WG532210	04/23/11 01:20
Bromobenzene	< .001	mg/l			WG532210	04/23/11 01:20
Bromodichloromethane	< .001	mg/l			WG532210	04/23/11 01:20
Bromoform	< .001	mg/l			WG532210	04/23/11 01:20
Bromomethane	< .005	mg/l			WG532210	04/23/11 01:20
Carbon tetrachloride	< .001	mg/l			WG532210	04/23/11 01:20
Chlorobenzene	< .001	mg/l			WG532210	04/23/11 01:20
Chlorodibromomethane	< .001	mg/l			WG532210	04/23/11 01:20
Chloroethane	< .005	mg/l			WG532210	04/23/11 01:20
Chloroform	< .005	mg/l			WG532210	04/23/11 01:20
Chloromethane	< .0025	mg/l			WG532210	04/23/11 01:20
cis-1,2-Dichloroethene	< .001	mg/l			WG532210	04/23/11 01:20
cis-1,3-Dichloropropene	< .001	mg/l			WG532210	04/23/11 01:20
Di-isopropyl ether	< .001	mg/l			WG532210	04/23/11 01:20
Dibromomethane	< .001	mg/l			WG532210	04/23/11 01:20

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Quality Assurance Report
Level II

L512368

April 27, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Dichlorodifluoromethane	< .005	mg/l			WG532210	04/23/11 01:20
Ethylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
Hexachloro-1,3-butadiene	< .001	mg/l			WG532210	04/23/11 01:20
Isopropylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
Methyl tert-butyl ether	< .001	mg/l			WG532210	04/23/11 01:20
Methylene Chloride	< .005	mg/l			WG532210	04/23/11 01:20
n-Butylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
n-Propylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
Naphthalene	< .005	mg/l			WG532210	04/23/11 01:20
p-Isopropyltoluene	< .001	mg/l			WG532210	04/23/11 01:20
sec-Butylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
Styrene	< .001	mg/l			WG532210	04/23/11 01:20
tert-Butylbenzene	< .001	mg/l			WG532210	04/23/11 01:20
Tetrachloroethene	< .001	mg/l			WG532210	04/23/11 01:20
Toluene	< .005	mg/l			WG532210	04/23/11 01:20
trans-1,2-Dichloroethene	< .001	mg/l			WG532210	04/23/11 01:20
trans-1,3-Dichloropropene	< .001	mg/l			WG532210	04/23/11 01:20
Trichloroethene	< .001	mg/l			WG532210	04/23/11 01:20
Trichlorofluoromethane	< .005	mg/l			WG532210	04/23/11 01:20
Vinyl chloride	< .001	mg/l			WG532210	04/23/11 01:20
Xylenes, Total	< .003	mg/l			WG532210	04/23/11 01:20
4-Bromofluorobenzene		% Rec.	104.5	75-128	WG532210	04/23/11 01:20
Dibromofluoromethane		% Rec.	99.08	79-125	WG532210	04/23/11 01:20
Toluene-d8		% Rec.	102.1	87-114	WG532210	04/23/11 01:20

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0252	101.	75-134	WG532209
1,1,1-Trichloroethane	mg/l	.025	0.0260	104.	67-137	WG532209
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0267	107.	72-128	WG532209
1,1,2-Trichloroethane	mg/l	.025	0.0253	101.	79-123	WG532209
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0218	87.1	51-149	WG532209
1,1-Dichloroethane	mg/l	.025	0.0258	103.	67-133	WG532209
1,1-Dichloroethene	mg/l	.025	0.0239	95.5	60-130	WG532209
1,1-Dichloropropene	mg/l	.025	0.0255	102.	68-132	WG532209
1,2,3-Trichlorobenzene	mg/l	.025	0.0267	107.	63-138	WG532209
1,2,3-Trichloropropane	mg/l	.025	0.0265	106.	68-130	WG532209
1,2,3-Trimethylbenzene	mg/l	.025	0.0269	108.	70-127	WG532209
1,2,4-Trichlorobenzene	mg/l	.025	0.0249	99.6	65-137	WG532209
1,2,4-Trimethylbenzene	mg/l	.025	0.0258	103.	72-135	WG532209
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0232	92.7	55-134	WG532209
1,2-Dibromoethane	mg/l	.025	0.0248	99.0	75-126	WG532209
1,2-Dichlorobenzene	mg/l	.025	0.0261	104.	75-122	WG532209
1,2-Dichloroethane	mg/l	.025	0.0287	115.	63-137	WG532209
1,2-Dichloropropane	mg/l	.025	0.0271	108.	74-122	WG532209
1,3,5-Trimethylbenzene	mg/l	.025	0.0251	100.	73-134	WG532209
1,3-Dichlorobenzene	mg/l	.025	0.0242	96.8	73-131	WG532209
1,3-Dichloropropane	mg/l	.025	0.0242	96.9	77-119	WG532209
1,4-Dichlorobenzene	mg/l	.025	0.0240	96.1	70-121	WG532209
2,2-Dichloropropane	mg/l	.025	0.0247	98.7	46-151	WG532209
2-Butanone (MEK)	mg/l	.125	0.137	109.	53-132	WG532209
2-Chloroethyl vinyl ether	mg/l	.125	0.147	118.	0-171	WG532209
2-Chlorotoluene	mg/l	.025	0.0247	98.7	74-128	WG532209
4-Chlorotoluene	mg/l	.025	0.0251	100.	74-130	WG532209
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.154	123.	60-142	WG532209
Acetone	mg/l	.125	0.108	86.7	48-134	WG532209
Acrolein	mg/l	.125	0.207	166.	6-182	WG532209
Acrylonitrile	mg/l	.125	0.136	108.	60-140	WG532209

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Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.025	0.0247	98.9	67-126	WG532209
Bromobenzene	mg/l	.025	0.0253	101.	76-123	WG532209
Bromodichloromethane	mg/l	.025	0.0295	118.	68-133	WG532209
Bromoform	mg/l	.025	0.0223	89.2	60-139	WG532209
Bromomethane	mg/l	.025	0.0262	105.	45-175	WG532209
Carbon tetrachloride	mg/l	.025	0.0259	104.	64-141	WG532209
Chlorobenzene	mg/l	.025	0.0238	95.3	77-125	WG532209
Chlorodibromomethane	mg/l	.025	0.0228	91.1	73-138	WG532209
Chloroethane	mg/l	.025	0.0267	107.	49-155	WG532209
Chloroform	mg/l	.025	0.0267	107.	66-126	WG532209
Chloromethane	mg/l	.025	0.0257	103.	45-152	WG532209
cis-1,2-Dichloroethene	mg/l	.025	0.0255	102.	72-128	WG532209
cis-1,3-Dichloropropene	mg/l	.025	0.0309	124.	73-131	WG532209
Di-isopropyl ether	mg/l	.025	0.0279	111.	63-139	WG532209
Dibromomethane	mg/l	.025	0.0276	110.	73-125	WG532209
Dichlorodifluoromethane	mg/l	.025	0.0274	110.	39-189	WG532209
Ethylbenzene	mg/l	.025	0.0242	97.0	76-129	WG532209
Hexachloro-1,3-butadiene	mg/l	.025	0.0252	101.	67-135	WG532209
Isopropylbenzene	mg/l	.025	0.0226	90.3	73-132	WG532209
Methyl tert-butyl ether	mg/l	.025	0.0243	97.3	51-142	WG532209
Methylene Chloride	mg/l	.025	0.0235	94.0	64-125	WG532209
n-Butylbenzene	mg/l	.025	0.0259	104.	63-142	WG532209
n-Propylbenzene	mg/l	.025	0.0241	96.2	71-132	WG532209
Naphthalene	mg/l	.025	0.0261	104.	56-145	WG532209
p-Isopropyltoluene	mg/l	.025	0.0246	98.4	68-138	WG532209
sec-Butylbenzene	mg/l	.025	0.0245	98.0	70-135	WG532209
Styrene	mg/l	.025	0.0337	135.*	78-130	WG532209
tert-Butylbenzene	mg/l	.025	0.0252	101.	72-134	WG532209
Tetrachloroethene	mg/l	.025	0.0212	84.8	67-135	WG532209
Toluene	mg/l	.025	0.0241	96.5	72-122	WG532209
trans-1,2-Dichloroethene	mg/l	.025	0.0251	101.	67-129	WG532209
trans-1,3-Dichloropropene	mg/l	.025	0.0259	103.	66-137	WG532209
Trichloroethene	mg/l	.025	0.0243	97.1	74-126	WG532209
Trichlorofluoromethane	mg/l	.025	0.0269	108.	54-156	WG532209
Vinyl chloride	mg/l	.025	0.0263	105.	55-153	WG532209
Xylenes, Total	mg/l	.075	0.0713	95.1	75-128	WG532209
4-Bromofluorobenzene				97.24	75-128	WG532209
Dibromofluoromethane				110.0	79-125	WG532209
Toluene-d8				107.0	87-114	WG532209
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0235	93.8	75-134	WG532210
1,1,1-Trichloroethane	mg/l	.025	0.0239	95.5	67-137	WG532210
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0210	83.8	72-128	WG532210
1,1,2-Trichloroethane	mg/l	.025	0.0219	87.6	79-123	WG532210
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0289	115.	51-149	WG532210
1,1-Dichloroethane	mg/l	.025	0.0239	95.7	67-133	WG532210
1,1-Dichloroethene	mg/l	.025	0.0272	109.	60-130	WG532210
1,1-Dichloropropene	mg/l	.025	0.0237	94.6	68-132	WG532210
1,2,3-Trichlorobenzene	mg/l	.025	0.0231	92.5	63-138	WG532210
1,2,3-Trichloropropane	mg/l	.025	0.0218	87.4	68-130	WG532210
1,2,3-Trimethylbenzene	mg/l	.025	0.0225	89.9	70-127	WG532210
1,2,4-Trichlorobenzene	mg/l	.025	0.0239	95.8	65-137	WG532210
1,2,4-Trimethylbenzene	mg/l	.025	0.0222	88.8	72-135	WG532210
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0222	89.0	55-134	WG532210
1,2-Dibromoethane	mg/l	.025	0.0219	87.6	75-126	WG532210
1,2-Dichlorobenzene	mg/l	.025	0.0219	87.6	75-122	WG532210
1,2-Dichloroethane	mg/l	.025	0.0224	89.4	63-137	WG532210
1,2-Dichloropropane	mg/l	.025	0.0217	87.0	74-122	WG532210

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Level II

L512368

April 27, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,3,5-Trimethylbenzene	mg/l	.025	0.0231	92.2	73-134	WG532210
1,3-Dichlorobenzene	mg/l	.025	0.0229	91.8	73-131	WG532210
1,3-Dichloropropane	mg/l	.025	0.0215	86.0	77-119	WG532210
1,4-Dichlorobenzene	mg/l	.025	0.0224	89.7	70-121	WG532210
2,2-Dichloropropane	mg/l	.025	0.0266	107.	46-151	WG532210
2-Butanone (MEK)	mg/l	.125	0.108	86.4	53-132	WG532210
2-Chloroethyl vinyl ether	mg/l	.125	0.0735	58.8	0-171	WG532210
2-Chlorotoluene	mg/l	.025	0.0228	91.0	74-128	WG532210
4-Chlorotoluene	mg/l	.025	0.0219	87.6	74-130	WG532210
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.104	82.9	60-142	WG532210
Acetone	mg/l	.125	0.102	81.9	48-134	WG532210
Acrolein	mg/l	.125	0.0856	68.4	6-182	WG532210
Acrylonitrile	mg/l	.125	0.106	84.8	60-140	WG532210
Benzene	mg/l	.025	0.0226	90.4	67-126	WG532210
Bromobenzene	mg/l	.025	0.0242	96.7	76-123	WG532210
Bromodichloromethane	mg/l	.025	0.0207	82.8	68-133	WG532210
Bromoform	mg/l	.025	0.0223	89.3	60-139	WG532210
Bromomethane	mg/l	.025	0.0242	96.8	45-175	WG532210
Carbon tetrachloride	mg/l	.025	0.0266	106.	64-141	WG532210
Chlorobenzene	mg/l	.025	0.0228	91.3	77-125	WG532210
Chlorodibromomethane	mg/l	.025	0.0219	87.7	73-138	WG532210
Chloroethane	mg/l	.025	0.0245	97.9	49-155	WG532210
Chloroform	mg/l	.025	0.0237	94.8	66-126	WG532210
Chloromethane	mg/l	.025	0.0241	96.5	45-152	WG532210
cis-1,2-Dichloroethene	mg/l	.025	0.0239	95.4	72-128	WG532210
cis-1,3-Dichloropropene	mg/l	.025	0.0211	84.4	73-131	WG532210
Di-isopropyl ether	mg/l	.025	0.0228	91.1	63-139	WG532210
Dibromomethane	mg/l	.025	0.0218	87.3	73-125	WG532210
Dichlorodifluoromethane	mg/l	.025	0.0250	100.	39-189	WG532210
Ethylbenzene	mg/l	.025	0.0225	90.1	76-129	WG532210
Hexachloro-1,3-butadiene	mg/l	.025	0.0228	91.1	67-135	WG532210
Isopropylbenzene	mg/l	.025	0.0259	104.	73-132	WG532210
Methyl tert-butyl ether	mg/l	.025	0.0237	95.0	51-142	WG532210
Methylene Chloride	mg/l	.025	0.0234	93.6	64-125	WG532210
n-Butylbenzene	mg/l	.025	0.0228	91.1	63-142	WG532210
n-Propylbenzene	mg/l	.025	0.0232	92.7	71-132	WG532210
Naphthalene	mg/l	.025	0.0217	86.8	56-145	WG532210
p-Isopropyltoluene	mg/l	.025	0.0231	92.5	68-138	WG532210
sec-Butylbenzene	mg/l	.025	0.0234	93.6	70-135	WG532210
Styrene	mg/l	.025	0.0162	64.8*	78-130	WG532210
tert-Butylbenzene	mg/l	.025	0.0232	92.7	72-134	WG532210
Tetrachloroethene	mg/l	.025	0.0242	96.8	67-135	WG532210
Toluene	mg/l	.025	0.0224	89.6	72-122	WG532210
trans-1,2-Dichloroethene	mg/l	.025	0.0238	95.3	67-129	WG532210
trans-1,3-Dichloropropene	mg/l	.025	0.0206	82.6	66-137	WG532210
Trichloroethene	mg/l	.025	0.0220	88.0	74-126	WG532210
Trichlorofluoromethane	mg/l	.025	0.0243	97.0	54-156	WG532210
Vinyl chloride	mg/l	.025	0.0253	101.	55-153	WG532210
Xylenes, Total	mg/l	.075	0.0679	90.6	75-128	WG532210
4-Bromofluorobenzene				99.72	75-128	WG532210
Dibromofluoromethane				102.1	79-125	WG532210
Toluene-d8				102.0	87-114	WG532210

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0273	0.0252	109.	75-134	8.05	20	WG532209
1,1,1-Trichloroethane	mg/l	0.0270	0.0260	108.	67-137	3.79	20	WG532209
1,1,2,2-Tetrachloroethane	mg/l	0.0289	0.0267	116.	72-128	7.85	20	WG532209

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111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Sample Duplicate RPD	Limit	Batch
1,1,2-Trichloroethane	mg/l	0.0275	0.0253	110.	79-123	8.19	20	WG532209
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0238	0.0218	95.0	51-149	9.00	20	WG532209
1,1-Dichloroethane	mg/l	0.0272	0.0258	109.	67-133	5.05	20	WG532209
1,1-Dichloroethene	mg/l	0.0252	0.0239	101.	60-130	5.45	20	WG532209
1,1-Dichloropropene	mg/l	0.0263	0.0255	105.	68-132	3.07	20	WG532209
1,2,3-Trichlorobenzene	mg/l	0.0281	0.0267	112.	63-138	5.15	20	WG532209
1,2,3-Trichloropropane	mg/l	0.0293	0.0265	117.	68-130	10.1	20	WG532209
1,2,3-Trimethylbenzene	mg/l	0.0284	0.0269	114.	70-127	5.26	20	WG532209
1,2,4-Trichlorobenzene	mg/l	0.0265	0.0249	106.	65-137	6.37	20	WG532209
1,2,4-Trimethylbenzene	mg/l	0.0282	0.0258	113.	72-135	8.82	20	WG532209
1,2-Dibromo-3-Chloropropane	mg/l	0.0253	0.0232	101.	55-134	8.93	20	WG532209
1,2-Dibromoethane	mg/l	0.0266	0.0248	106.	75-126	7.30	20	WG532209
1,2-Dichlorobenzene	mg/l	0.0275	0.0261	110.	75-122	5.06	20	WG532209
1,2-Dichloroethane	mg/l	0.0294	0.0287	118.	63-137	2.62	20	WG532209
1,2-Dichloropropane	mg/l	0.0283	0.0271	113.	74-122	4.37	20	WG532209
1,3,5-Trimethylbenzene	mg/l	0.0275	0.0251	110.	73-134	9.03	20	WG532209
1,3-Dichlorobenzene	mg/l	0.0260	0.0242	104.	73-131	7.29	20	WG532209
1,3-Dichloropropane	mg/l	0.0264	0.0242	106.	77-119	8.73	20	WG532209
1,4-Dichlorobenzene	mg/l	0.0252	0.0240	101.	70-121	4.66	20	WG532209
2,2-Dichloropropane	mg/l	0.0263	0.0247	105.	46-151	6.41	20	WG532209
2-Butanone (MEK)	mg/l	0.147	0.137	118.	53-132	7.13	20	WG532209
2-Chloroethyl vinyl ether	mg/l	0.147	0.147	118.	0-171	0.0700	27	WG532209
2-Chlorotoluene	mg/l	0.0268	0.0247	107.	74-128	8.24	20	WG532209
4-Chlorotoluene	mg/l	0.0268	0.0251	107.	74-130	6.55	20	WG532209
4-Methyl-2-pentanone (MIBK)	mg/l	0.159	0.154	127.	60-142	2.99	20	WG532209
Acetone	mg/l	0.146	0.108	116.	48-134	29.3*	20	WG532209
Acrolein	mg/l	0.247	0.207	197*	6-182	17.4	39	WG532209
Acrylonitrile	mg/l	0.153	0.136	122.	60-140	12.0	20	WG532209
Benzene	mg/l	0.0258	0.0247	103.	67-126	4.31	20	WG532209
Bromobenzene	mg/l	0.0270	0.0253	108.	76-123	6.41	20	WG532209
Bromodichloromethane	mg/l	0.0308	0.0295	123.	68-133	4.10	20	WG532209
Bromoform	mg/l	0.0242	0.0223	97.0	60-139	8.08	20	WG532209
Bromomethane	mg/l	0.0275	0.0262	110.	45-175	4.78	20	WG532209
Carbon tetrachloride	mg/l	0.0274	0.0259	110.	64-141	5.76	20	WG532209
Chlorobenzene	mg/l	0.0255	0.0238	102.	77-125	6.74	20	WG532209
Chlorodibromomethane	mg/l	0.0248	0.0228	99.0	73-138	8.52	20	WG532209
Chloroethane	mg/l	0.0292	0.0267	117.	49-155	8.95	20	WG532209
Chloroform	mg/l	0.0278	0.0267	111.	66-126	4.10	20	WG532209
Chloromethane	mg/l	0.0277	0.0257	111.	45-152	7.44	20	WG532209
cis-1,2-Dichloroethene	mg/l	0.0272	0.0255	109.	72-128	6.51	20	WG532209
cis-1,3-Dichloropropene	mg/l	0.0314	0.0309	126.	73-131	1.39	20	WG532209
Di-isopropyl ether	mg/l	0.0289	0.0279	115.	63-139	3.55	20	WG532209
Dibromomethane	mg/l	0.0286	0.0276	114.	73-125	3.81	20	WG532209
Dichlorodifluoromethane	mg/l	0.0292	0.0274	117.	39-189	6.09	24	WG532209
Ethylbenzene	mg/l	0.0256	0.0242	102.	76-129	5.44	20	WG532209
Hexachloro-1,3-butadiene	mg/l	0.0261	0.0252	104.	67-135	3.22	20	WG532209
Isopropylbenzene	mg/l	0.0246	0.0226	98.0	73-132	8.72	20	WG532209
Methyl tert-butyl ether	mg/l	0.0267	0.0243	107.	51-142	9.43	20	WG532209
Methylene Chloride	mg/l	0.0253	0.0235	101.	64-125	7.23	20	WG532209
n-Butylbenzene	mg/l	0.0270	0.0259	108.	63-142	4.21	20	WG532209
n-Propylbenzene	mg/l	0.0262	0.0241	105.	71-132	8.70	20	WG532209
Naphthalene	mg/l	0.0280	0.0261	112.	56-145	6.97	20	WG532209
p-Isopropyltoluene	mg/l	0.0263	0.0246	105.	68-138	6.89	20	WG532209
sec-Butylbenzene	mg/l	0.0265	0.0245	106.	70-135	7.91	20	WG532209
Styrene	mg/l	0.0368	0.0337	147*	78-130	8.70	20	WG532209
tert-Butylbenzene	mg/l	0.0274	0.0252	110.	72-134	8.13	20	WG532209
Tetrachloroethene	mg/l	0.0231	0.0212	92.0	67-135	8.63	20	WG532209
Toluene	mg/l	0.0249	0.0241	99.0	72-122	3.02	20	WG532209
trans-1,2-Dichloroethene	mg/l	0.0263	0.0251	105.	67-129	4.54	20	WG532209

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Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
trans-1,3-Dichloropropene	mg/l	0.0261	0.0259	104.	66-137	0.920	20	WG532209
Trichloroethene	mg/l	0.0258	0.0243	103.	74-126	6.29	20	WG532209
Trichlorofluoromethane	mg/l	0.0278	0.0269	111.	54-156	3.53	20	WG532209
Vinyl chloride	mg/l	0.0277	0.0263	111.	55-153	5.17	20	WG532209
Xylenes, Total	mg/l	0.0762	0.0713	102.	75-128	6.66	20	WG532209
4-Bromofluorobenzene				101.2	75-128			WG532209
Dibromofluoromethane				110.2	79-125			WG532209
Toluene-d8				106.5	87-114			WG532209
1,1,1,2-Tetrachloroethane	mg/l	0.0222	0.0235	89.0	75-134	5.44	20	WG532210
1,1,1-Trichloroethane	mg/l	0.0224	0.0239	90.0	67-137	6.27	20	WG532210
1,1,2,2-Tetrachloroethane	mg/l	0.0189	0.0210	76.0	72-128	10.3	20	WG532210
1,1,2-Trichloroethane	mg/l	0.0212	0.0219	85.0	79-123	3.18	20	WG532210
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0269	0.0289	108.	51-149	7.08	20	WG532210
1,1-Dichloroethane	mg/l	0.0231	0.0239	92.0	67-133	3.48	20	WG532210
1,1-Dichloroethene	mg/l	0.0257	0.0272	103.	60-130	5.49	20	WG532210
1,1-Dichloropropene	mg/l	0.0227	0.0237	91.0	68-132	4.29	20	WG532210
1,2,3-Trichlorobenzene	mg/l	0.0224	0.0231	90.0	63-138	3.10	20	WG532210
1,2,3-Trichloropropane	mg/l	0.0213	0.0218	85.0	68-130	2.28	20	WG532210
1,2,3-Trimethylbenzene	mg/l	0.0213	0.0225	85.0	70-127	5.22	20	WG532210
1,2,4-Trichlorobenzene	mg/l	0.0228	0.0239	91.0	65-137	4.67	20	WG532210
1,2,4-Trimethylbenzene	mg/l	0.0214	0.0222	86.0	72-135	3.68	20	WG532210
1,2-Dibromo-3-Chloropropane	mg/l	0.0204	0.0222	81.0	55-134	8.87	20	WG532210
1,2-Dibromoethane	mg/l	0.0214	0.0219	86.0	75-126	2.29	20	WG532210
1,2-Dichlorobenzene	mg/l	0.0210	0.0219	84.0	75-122	4.32	20	WG532210
1,2-Dichloroethane	mg/l	0.0220	0.0224	88.0	63-137	1.70	20	WG532210
1,2-Dichloropropane	mg/l	0.0215	0.0217	86.0	74-122	1.33	20	WG532210
1,3,5-Trimethylbenzene	mg/l	0.0224	0.0231	90.0	73-134	2.94	20	WG532210
1,3-Dichlorobenzene	mg/l	0.0226	0.0229	90.0	73-131	1.32	20	WG532210
1,3-Dichloropropane	mg/l	0.0214	0.0215	86.0	77-119	0.490	20	WG532210
1,4-Dichlorobenzene	mg/l	0.0217	0.0224	87.0	70-121	3.40	20	WG532210
2,2-Dichloropropane	mg/l	0.0250	0.0266	100.	46-151	6.25	20	WG532210
2-Butanone (MEK)	mg/l	0.104	0.108	83.0	53-132	3.81	20	WG532210
2-Chloroethyl vinyl ether	mg/l	0.0706	0.0735	56.0	0-171	3.95	27	WG532210
2-Chlorotoluene	mg/l	0.0220	0.0228	88.0	74-128	3.43	20	WG532210
4-Chlorotoluene	mg/l	0.0214	0.0219	86.0	74-130	2.13	20	WG532210
4-Methyl-2-pentanone (MIBK)	mg/l	0.0943	0.104	75.0	60-142	9.44	20	WG532210
Acetone	mg/l	0.0899	0.102	72.0	48-134	13.0	20	WG532210
Acrolein	mg/l	0.0784	0.0856	63.0	6-182	8.76	39	WG532210
Acrylonitrile	mg/l	0.0948	0.106	76.0	60-140	11.1	20	WG532210
Benzene	mg/l	0.0220	0.0226	88.0	67-126	2.48	20	WG532210
Bromobenzene	mg/l	0.0238	0.0242	95.0	76-123	1.71	20	WG532210
Bromodichloromethane	mg/l	0.0204	0.0207	82.0	68-133	1.24	20	WG532210
Bromoform	mg/l	0.0208	0.0223	83.0	60-139	7.14	20	WG532210
Bromomethane	mg/l	0.0234	0.0242	94.0	45-175	3.42	20	WG532210
Carbon tetrachloride	mg/l	0.0241	0.0266	96.0	64-141	9.75	20	WG532210
Chlorobenzene	mg/l	0.0219	0.0228	88.0	77-125	4.20	20	WG532210
Chlorodibromomethane	mg/l	0.0212	0.0219	85.0	73-138	3.49	20	WG532210
Chloroethane	mg/l	0.0242	0.0245	97.0	49-155	1.30	20	WG532210
Chloroform	mg/l	0.0224	0.0237	90.0	66-126	5.54	20	WG532210
Chloromethane	mg/l	0.0229	0.0241	92.0	45-152	5.11	20	WG532210
cis-1,2-Dichloroethene	mg/l	0.0226	0.0239	90.0	72-128	5.18	20	WG532210
cis-1,3-Dichloropropene	mg/l	0.0217	0.0211	87.0	73-131	2.64	20	WG532210
Di-isopropyl ether	mg/l	0.0213	0.0228	85.0	63-139	6.66	20	WG532210
Dibromomethane	mg/l	0.0208	0.0218	83.0	73-125	5.01	20	WG532210
Dichlorodifluoromethane	mg/l	0.0242	0.0250	97.0	39-189	3.45	24	WG532210
Ethylbenzene	mg/l	0.0220	0.0225	88.0	76-129	2.57	20	WG532210
Hexachloro-1,3-butadiene	mg/l	0.0221	0.0228	88.0	67-135	2.96	20	WG532210

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Quality Assurance Report
Level II

L512368

April 27, 2011

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Isopropylbenzene	mg/l	0.0242	0.0259	97.0	73-132	6.67	20	WG532210
Methyl tert-butyl ether	mg/l	0.0222	0.0237	89.0	51-142	6.65	20	WG532210
Methylene Chloride	mg/l	0.0232	0.0234	93.0	64-125	0.970	20	WG532210
n-Butylbenzene	mg/l	0.0214	0.0228	86.0	63-142	6.24	20	WG532210
n-Propylbenzene	mg/l	0.0222	0.0232	89.0	71-132	4.30	20	WG532210
Naphthalene	mg/l	0.0207	0.0217	83.0	56-145	4.89	20	WG532210
p-Isopropyltoluene	mg/l	0.0226	0.0231	90.0	68-138	2.23	20	WG532210
sec-Butylbenzene	mg/l	0.0227	0.0234	91.0	70-135	3.13	20	WG532210
Styrene	mg/l	0.0158	0.0162	63*	78-130	2.63	20	WG532210
tert-Butylbenzene	mg/l	0.0227	0.0232	91.0	72-134	2.01	20	WG532210
Tetrachloroethene	mg/l	0.0227	0.0242	91.0	67-135	6.47	20	WG532210
Toluene	mg/l	0.0222	0.0224	89.0	72-122	0.800	20	WG532210
trans-1,2-Dichloroethene	mg/l	0.0225	0.0238	90.0	67-129	5.82	20	WG532210
trans-1,3-Dichloropropene	mg/l	0.0214	0.0206	86.0	66-137	3.59	20	WG532210
Trichloroethene	mg/l	0.0220	0.0220	88.0	74-126	0.0200	20	WG532210
Trichlorofluoromethane	mg/l	0.0222	0.0243	89.0	54-156	8.71	20	WG532210
Vinyl chloride	mg/l	0.0236	0.0253	94.0	55-153	7.22	20	WG532210
Xylenes, Total	mg/l	0.0653	0.0679	87.0	75-128	3.89	20	WG532210
4-Bromofluorobenzene				99.31	75-128			WG532210
Dibromofluoromethane				100.2	79-125			WG532210
Toluene-d8				102.4	87-114			WG532210

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0283	0	.025	113.	45-152	L512367-01	WG532209
1,1,1-Trichloroethane	mg/l	0.0253	0	.025	101.	31-161	L512367-01	WG532209
1,1,2,2-Tetrachloroethane	mg/l	0.0310	0	.025	124.	49-149	L512367-01	WG532209
1,1,2-Trichloroethane	mg/l	0.0287	0	.025	115.	46-145	L512367-01	WG532209
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0216	0	.025	86.6	14-168	L512367-01	WG532209
1,1-Dichloroethane	mg/l	0.0241	0	.025	96.5	30-159	L512367-01	WG532209
1,1-Dichloroethene	mg/l	0.0224	0	.025	89.8	10-162	L512367-01	WG532209
1,1-Dichloropropene	mg/l	0.0254	0	.025	102.	14-162	L512367-01	WG532209
1,2,3-Trichlorobenzene	mg/l	0.0284	0	.025	114.	32-143	L512367-01	WG532209
1,2,3-Trichloropropane	mg/l	0.0301	0	.025	120.	48-148	L512367-01	WG532209
1,2,3-Trimethylbenzene	mg/l	0.0272	0	.025	109.	36-141	L512367-01	WG532209
1,2,4-Trichlorobenzene	mg/l	0.0276	0	.025	110.	27-142	L512367-01	WG532209
1,2,4-Trimethylbenzene	mg/l	0.0285	0	.025	114.	29-153	L512367-01	WG532209
1,2-Dibromo-3-Chloropropane	mg/l	0.0292	0	.025	117.	37-148	L512367-01	WG532209
1,2-Dibromoethane	mg/l	0.0289	0	.025	116.	41-149	L512367-01	WG532209
1,2-Dichlorobenzene	mg/l	0.0270	0	.025	108.	40-139	L512367-01	WG532209
1,2-Dichloroethane	mg/l	0.0252	0	.025	101.	29-167	L512367-01	WG532209
1,2-Dichloropropane	mg/l	0.0263	0	.025	105.	39-148	L512367-01	WG532209
1,3,5-Trimethylbenzene	mg/l	0.0279	0	.025	112.	33-149	L512367-01	WG532209
1,3-Dichlorobenzene	mg/l	0.0266	0	.025	106.	32-148	L512367-01	WG532209
1,3-Dichloropropane	mg/l	0.0267	0	.025	107.	44-142	L512367-01	WG532209
1,4-Dichlorobenzene	mg/l	0.0250	0	.025	100.	32-136	L512367-01	WG532209
2,2-Dichloropropane	mg/l	0.0237	0	.025	94.9	14-158	L512367-01	WG532209
2-Butanone (MEK)	mg/l	0.143	0	.125	114.	32-151	L512367-01	WG532209
2-Chloroethyl vinyl ether	mg/l	0	0	.125	0	0-175	L512367-01	WG532209
2-Chlorotoluene	mg/l	0.0271	0	.025	108.	35-147	L512367-01	WG532209
4-Chlorotoluene	mg/l	0.0273	0	.025	109.	33-147	L512367-01	WG532209
4-Methyl-2-pentanone (MIBK)	mg/l	0.146	0	.125	116.	40-160	L512367-01	WG532209
Acetone	mg/l	0.122	0	.125	97.9	25-157	L512367-01	WG532209
Acrolein	mg/l	0.266	0	.125	213.*	0-179	L512367-01	WG532209
Acrylonitrile	mg/l	0.142	0	.125	113.	37-162	L512367-01	WG532209
Benzene	mg/l	0.0240	0	.025	96.1	16-158	L512367-01	WG532209
Bromobenzene	mg/l	0.0268	0	.025	107.	37-147	L512367-01	WG532209
Bromodichloromethane	mg/l	0.0288	0	.025	115.	45-147	L512367-01	WG532209

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David Kwiatkowski
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromoform	mg/l	0.0265	0	.025	106.	38-152	L512367-01	WG532209
Bromomethane	mg/l	0.0229	0	.025	91.5	0-191	L512367-01	WG532209
Carbon tetrachloride	mg/l	0.0260	0	.025	104.	22-168	L512367-01	WG532209
Chlorobenzene	mg/l	0.0267	0	.025	107.	33-148	L512367-01	WG532209
Chlorodibromomethane	mg/l	0.0263	0	.025	105.	48-151	L512367-01	WG532209
Chloroethane	mg/l	0.0236	0	.025	94.3	4-176	L512367-01	WG532209
Chloroform	mg/l	0.0245	0	.025	97.8	37-147	L512367-01	WG532209
Chloromethane	mg/l	0.0225	0	.025	89.8	10-174	L512367-01	WG532209
cis-1,2-Dichloroethene	mg/l	0.0256	0	.025	102.	29-156	L512367-01	WG532209
cis-1,3-Dichloropropene	mg/l	0.0300	0	.025	120.	35-148	L512367-01	WG532209
Di-isopropyl ether	mg/l	0.0239	0	.025	95.6	39-160	L512367-01	WG532209
Dibromomethane	mg/l	0.0274	0	.025	110.	36-152	L512367-01	WG532209
Dichlorodifluoromethane	mg/l	0.0266	0	.025	106.	0-200	L512367-01	WG532209
Ethylbenzene	mg/l	0.0274	0	.025	110.	29-150	L512367-01	WG532209
Hexachloro-1,3-butadiene	mg/l	0.0283	0	.025	113.	28-144	L512367-01	WG532209
Isopropylbenzene	mg/l	0.0261	0	.025	104.	35-147	L512367-01	WG532209
Methyl tert-butyl ether	mg/l	0.0246	0	.025	98.5	24-167	L512367-01	WG532209
Methylene Chloride	mg/l	0.0225	0	.025	90.0	23-151	L512367-01	WG532209
n-Butylbenzene	mg/l	0.0276	0	.025	110.	22-151	L512367-01	WG532209
n-Propylbenzene	mg/l	0.0269	0	.025	108.	26-150	L512367-01	WG532209
Naphthalene	mg/l	0.0296	0	.025	118.	24-160	L512367-01	WG532209
p-Isopropyltoluene	mg/l	0.0282	0	.025	113.	28-151	L512367-01	WG532209
sec-Butylbenzene	mg/l	0.0280	0	.025	112.	32-149	L512367-01	WG532209
Styrene	mg/l	0.0386	0	.025	154.*	38-149	L512367-01	WG532209
tert-Butylbenzene	mg/l	0.0289	0	.025	116.	36-149	L512367-01	WG532209
Tetrachloroethene	mg/l	0.0388	0.0100	.025	115.	13-157	L512367-01	WG532209
Toluene	mg/l	0.0244	0	.025	97.7	22-152	L512367-01	WG532209
trans-1,2-Dichloroethene	mg/l	0.0251	0	.025	100.	11-160	L512367-01	WG532209
trans-1,3-Dichloropropene	mg/l	0.0254	0	.025	102.	33-153	L512367-01	WG532209
Trichloroethene	mg/l	0.0263	0	.025	105.	18-163	L512367-01	WG532209
Trichlorofluoromethane	mg/l	0.0230	0	.025	91.9	10-177	L512367-01	WG532209
Vinyl chloride	mg/l	0.0234	0	.025	93.8	0-179	L512367-01	WG532209
Xylenes, Total	mg/l	0.0823	0	.075	110.	27-151	L512367-01	WG532209
4-Bromofluorobenzene					104.1	75-128		WG532209
Dibromofluoromethane					101.4	79-125		WG532209
Toluene-d8					102.8	87-114		WG532209
1,1,1,2-Tetrachloroethane	mg/l	0.0223	0	.025	89.0	45-152	L512435-02	WG532210
1,1,1-Trichloroethane	mg/l	0.0227	0	.025	90.8	31-161	L512435-02	WG532210
1,1,2,2-Tetrachloroethane	mg/l	0.0206	0	.025	82.5	49-149	L512435-02	WG532210
1,1,2-Trichloroethane	mg/l	0.0213	0	.025	85.1	46-145	L512435-02	WG532210
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0265	0	.025	106.	14-168	L512435-02	WG532210
1,1-Dichloroethane	mg/l	0.0217	0	.025	86.7	30-159	L512435-02	WG532210
1,1-Dichloroethene	mg/l	0.0233	0	.025	93.4	10-162	L512435-02	WG532210
1,1-Dichloropropene	mg/l	0.0202	0	.025	80.9	14-162	L512435-02	WG532210
1,2,3-Trichlorobenzene	mg/l	0.0202	0	.025	80.9	32-143	L512435-02	WG532210
1,2,3-Trichloropropane	mg/l	0.0205	0	.025	82.2	48-148	L512435-02	WG532210
1,2,3-Trimethylbenzene	mg/l	0.0207	0	.025	83.0	36-141	L512435-02	WG532210
1,2,4-Trichlorobenzene	mg/l	0.0219	0	.025	87.5	27-142	L512435-02	WG532210
1,2,4-Trimethylbenzene	mg/l	0.0202	0	.025	80.7	29-153	L512435-02	WG532210
1,2-Dibromo-3-Chloropropane	mg/l	0.0210	0	.025	83.9	37-148	L512435-02	WG532210
1,2-Dibromoethane	mg/l	0.0201	0	.025	80.3	41-149	L512435-02	WG532210
1,2-Dichlorobenzene	mg/l	0.0208	0	.025	83.3	40-139	L512435-02	WG532210
1,2-Dichloroethane	mg/l	0.0202	0	.025	80.6	29-167	L512435-02	WG532210
1,2-Dichloropropane	mg/l	0.0209	0	.025	83.6	39-148	L512435-02	WG532210
1,3,5-Trimethylbenzene	mg/l	0.0213	0	.025	85.3	33-149	L512435-02	WG532210
1,3-Dichlorobenzene	mg/l	0.0216	0	.025	86.4	32-148	L512435-02	WG532210
1,3-Dichloropropane	mg/l	0.0207	0	.025	82.7	44-142	L512435-02	WG532210

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Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,4-Dichlorobenzene	mg/l	0.0215	0	.025	85.9	32-136	L512435-02	WG532210
2,2-Dichloropropane	mg/l	0.0260	0	.025	104.	14-158	L512435-02	WG532210
2-Butanone (MEK)	mg/l	0.102	0	.125	81.3	32-151	L512435-02	WG532210
2-Chloroethyl vinyl ether	mg/l	0.0330	0	.125	26.4	0-175	L512435-02	WG532210
2-Chlorotoluene	mg/l	0.0214	0	.025	85.7	35-147	L512435-02	WG532210
4-Chlorotoluene	mg/l	0.0209	0	.025	83.6	33-147	L512435-02	WG532210
4-Methyl-2-pentanone (MIBK)	mg/l	0.102	0	.125	81.9	40-160	L512435-02	WG532210
Acetone	mg/l	0.0903	0	.125	72.3	25-157	L512435-02	WG532210
Acrolein	mg/l	0.0696	0	.125	55.6	0-179	L512435-02	WG532210
Acrylonitrile	mg/l	0.100	0	.125	80.3	37-162	L512435-02	WG532210
Benzene	mg/l	0.0200	0	.025	80.0	16-158	L512435-02	WG532210
Bromobenzene	mg/l	0.0227	0	.025	91.0	37-147	L512435-02	WG532210
Bromodichloromethane	mg/l	0.0202	0	.025	80.7	45-147	L512435-02	WG532210
Bromoform	mg/l	0.0208	0	.025	83.4	38-152	L512435-02	WG532210
Bromomethane	mg/l	0.0186	0	.025	74.5	0-191	L512435-02	WG532210
Carbon tetrachloride	mg/l	0.0243	0	.025	97.1	22-168	L512435-02	WG532210
Chlorobenzene	mg/l	0.0212	0	.025	84.7	33-148	L512435-02	WG532210
Chlorodibromomethane	mg/l	0.0204	0	.025	81.6	48-151	L512435-02	WG532210
Chloroethane	mg/l	0.0197	0	.025	78.9	4-176	L512435-02	WG532210
Chloroform	mg/l	0.0216	0	.025	86.4	37-147	L512435-02	WG532210
Chloromethane	mg/l	0.0173	0	.025	69.2	10-174	L512435-02	WG532210
cis-1,2-Dichloroethene	mg/l	0.0214	0	.025	85.5	29-156	L512435-02	WG532210
cis-1,3-Dichloropropene	mg/l	0.0205	0	.025	82.1	35-148	L512435-02	WG532210
Di-isopropyl ether	mg/l	0.0207	0	.025	82.7	39-160	L512435-02	WG532210
Dibromomethane	mg/l	0.0194	0	.025	77.4	36-152	L512435-02	WG532210
Dichlorodifluoromethane	mg/l	0.0219	0	.025	87.8	0-200	L512435-02	WG532210
Ethylbenzene	mg/l	0.0213	0	.025	85.1	29-150	L512435-02	WG532210
Hexachloro-1,3-butadiene	mg/l	0.0204	0	.025	81.5	28-144	L512435-02	WG532210
Isopropylbenzene	mg/l	0.0242	0	.025	96.7	35-147	L512435-02	WG532210
Methyl tert-butyl ether	mg/l	0.0216	0	.025	86.4	24-167	L512435-02	WG532210
Methylene Chloride	mg/l	0.0205	0	.025	81.9	23-151	L512435-02	WG532210
n-Butylbenzene	mg/l	0.0218	0	.025	87.1	22-151	L512435-02	WG532210
n-Propylbenzene	mg/l	0.0218	0	.025	87.2	26-150	L512435-02	WG532210
Naphthalene	mg/l	0.0191	0	.025	76.6	24-160	L512435-02	WG532210
p-Isopropyltoluene	mg/l	0.0212	0	.025	84.8	28-151	L512435-02	WG532210
sec-Butylbenzene	mg/l	0.0218	0	.025	87.1	32-149	L512435-02	WG532210
Styrene	mg/l	0.0151	0	.025	60.2	38-149	L512435-02	WG532210
tert-Butylbenzene	mg/l	0.0219	0	.025	87.5	36-149	L512435-02	WG532210
Tetrachloroethene	mg/l	0.0224	0	.025	89.5	13-157	L512435-02	WG532210
Toluene	mg/l	0.0215	0	.025	85.9	22-152	L512435-02	WG532210
trans-1,2-Dichloroethene	mg/l	0.0202	0	.025	81.0	11-160	L512435-02	WG532210
trans-1,3-Dichloropropene	mg/l	0.0202	0	.025	81.0	33-153	L512435-02	WG532210
Trichloroethene	mg/l	0.0198	0	.025	79.3	18-163	L512435-02	WG532210
Trichlorofluoromethane	mg/l	0.0207	0	.025	82.9	10-177	L512435-02	WG532210
Vinyl chloride	mg/l	0.0193	0	.025	77.1	0-179	L512435-02	WG532210
Xylenes, Total	mg/l	0.0637	0	.075	84.9	27-151	L512435-02	WG532210
4-Bromofluorobenzene					98.39	75-128		WG532210
Dibromofluoromethane					99.61	79-125		WG532210
Toluene-d8					104.8	87-114		WG532210

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0279	0.0283	112.	45-152	1.50	21	L512367-01	WG532209
1,1,1-Trichloroethane	mg/l	0.0243	0.0253	97.1	31-161	4.28	23	L512367-01	WG532209
1,1,2,2-Tetrachloroethane	mg/l	0.0304	0.0310	122.	49-149	1.85	22	L512367-01	WG532209
1,1,2-Trichloroethane	mg/l	0.0283	0.0287	113.	46-145	1.33	20	L512367-01	WG532209
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0212	0.0216	84.8	14-168	2.09	24	L512367-01	WG532209
1,1-Dichloroethane	mg/l	0.0239	0.0241	95.4	30-159	1.09	21	L512367-01	WG532209

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Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.0225	0.0224	89.9	10-162	0.150	23	L512367-01	WG532209
1,1-Dichloropropene	mg/l	0.0246	0.0254	98.4	14-162	3.22	23	L512367-01	WG532209
1,2,3-Trichlorobenzene	mg/l	0.0268	0.0284	107.	32-143	5.67	33	L512367-01	WG532209
1,2,3-Trichloropropane	mg/l	0.0298	0.0301	119.	48-148	1.01	23	L512367-01	WG532209
1,2,3-Trimethylbenzene	mg/l	0.0261	0.0272	104.	36-141	4.24	25	L512367-01	WG532209
1,2,4-Trichlorobenzene	mg/l	0.0261	0.0276	104.	27-142	5.60	30	L512367-01	WG532209
1,2,4-Trimethylbenzene	mg/l	0.0275	0.0285	110.	29-153	3.61	27	L512367-01	WG532209
1,2-Dibromo-3-Chloropropane	mg/l	0.0284	0.0292	114.	37-148	2.77	27	L512367-01	WG532209
1,2-Dibromoethane	mg/l	0.0289	0.0289	116.	41-149	0.0500	21	L512367-01	WG532209
1,2-Dichlorobenzene	mg/l	0.0265	0.0270	106.	40-139	1.92	23	L512367-01	WG532209
1,2-Dichloroethane	mg/l	0.0251	0.0252	100.	29-167	0.430	21	L512367-01	WG532209
1,2-Dichloropropane	mg/l	0.0260	0.0263	104.	39-148	1.14	20	L512367-01	WG532209
1,3,5-Trimethylbenzene	mg/l	0.0270	0.0279	108.	33-149	3.41	26	L512367-01	WG532209
1,3-Dichlorobenzene	mg/l	0.0268	0.0266	107.	32-148	0.740	24	L512367-01	WG532209
1,3-Dichloropropane	mg/l	0.0267	0.0267	107.	44-142	0.0400	20	L512367-01	WG532209
1,4-Dichlorobenzene	mg/l	0.0247	0.0250	98.8	32-136	1.19	23	L512367-01	WG532209
2,2-Dichloropropane	mg/l	0.0229	0.0237	91.8	14-158	3.35	23	L512367-01	WG532209
2-Butanone (MEK)	mg/l	0.148	0.143	118.	32-151	3.64	26	L512367-01	WG532209
2-Chloroethyl vinyl ether	mg/l	0	0	0.00	0-175	0	75	L512367-01	WG532209
2-Chlorotoluene	mg/l	0.0261	0.0271	104.	35-147	3.70	24	L512367-01	WG532209
4-Chlorotoluene	mg/l	0.0267	0.0273	107.	33-147	2.28	25	L512367-01	WG532209
4-Methyl-2-pentanone (MIBK)	mg/l	0.145	0.146	116.	40-160	0.460	28	L512367-01	WG532209
Acetone	mg/l	0.127	0.122	102.	25-157	3.83	26	L512367-01	WG532209
Acrolein	mg/l	0.274	0.266	219.*	0-179	2.75	39	L512367-01	WG532209
Acrylonitrile	mg/l	0.144	0.142	115.	37-162	1.48	24	L512367-01	WG532209
Benzene	mg/l	0.0238	0.0240	95.2	16-158	0.960	21	L512367-01	WG532209
Bromobenzene	mg/l	0.0261	0.0268	104.	37-147	2.58	23	L512367-01	WG532209
Bromodichloromethane	mg/l	0.0287	0.0288	115.	45-147	0.270	20	L512367-01	WG532209
Bromoform	mg/l	0.0272	0.0265	109.	38-152	2.37	20	L512367-01	WG532209
Bromomethane	mg/l	0.0215	0.0229	86.2	0-191	5.97	35	L512367-01	WG532209
Carbon tetrachloride	mg/l	0.0254	0.0260	101.	22-168	2.39	24	L512367-01	WG532209
Chlorobenzene	mg/l	0.0267	0.0267	107.	33-148	0.270	22	L512367-01	WG532209
Chlorodibromomethane	mg/l	0.0262	0.0263	105.	48-151	0.320	21	L512367-01	WG532209
Chloroethane	mg/l	0.0241	0.0236	96.3	4-176	2.07	27	L512367-01	WG532209
Chloroform	mg/l	0.0241	0.0245	96.5	37-147	1.32	21	L512367-01	WG532209
Chloromethane	mg/l	0.0219	0.0225	87.7	10-174	2.42	28	L512367-01	WG532209
cis-1,2-Dichloroethene	mg/l	0.0253	0.0256	101.	29-156	1.21	22	L512367-01	WG532209
cis-1,3-Dichloropropene	mg/l	0.0298	0.0300	119.	35-148	0.750	21	L512367-01	WG532209
Di-isopropyl ether	mg/l	0.0236	0.0239	94.2	39-160	1.45	21	L512367-01	WG532209
Dibromomethane	mg/l	0.0273	0.0274	109.	36-152	0.640	20	L512367-01	WG532209
Dichlorodifluoromethane	mg/l	0.0257	0.0266	103.	0-200	3.73	26	L512367-01	WG532209
Ethylbenzene	mg/l	0.0270	0.0274	108.	29-150	1.29	24	L512367-01	WG532209
Hexachloro-1,3-butadiene	mg/l	0.0267	0.0283	107.	28-144	5.91	33	L512367-01	WG532209
Isopropylbenzene	mg/l	0.0253	0.0261	101.	35-147	3.27	25	L512367-01	WG532209
Methyl tert-butyl ether	mg/l	0.0244	0.0246	97.6	24-167	0.920	22	L512367-01	WG532209
Methylene Chloride	mg/l	0.0224	0.0225	89.7	23-151	0.260	21	L512367-01	WG532209
n-Butylbenzene	mg/l	0.0262	0.0276	105.	22-151	5.12	29	L512367-01	WG532209
n-Propylbenzene	mg/l	0.0262	0.0269	105.	26-150	2.74	25	L512367-01	WG532209
Naphthalene	mg/l	0.0282	0.0296	113.	24-160	5.07	37	L512367-01	WG532209
p-Isopropyltoluene	mg/l	0.0273	0.0282	109.	28-151	3.21	27	L512367-01	WG532209
sec-Butylbenzene	mg/l	0.0270	0.0280	108.	32-149	3.38	26	L512367-01	WG532209
Styrene	mg/l	0.0379	0.0386	152.*	38-149	1.79	23	L512367-01	WG532209
tert-Butylbenzene	mg/l	0.0281	0.0289	112.	36-149	2.94	26	L512367-01	WG532209
Tetrachloroethene	mg/l	0.0382	0.0388	113.	13-157	1.63	24	L512367-01	WG532209
Toluene	mg/l	0.0242	0.0244	97.0	22-152	0.780	22	L512367-01	WG532209
trans-1,2-Dichloroethene	mg/l	0.0253	0.0251	101.	11-160	0.820	23	L512367-01	WG532209
trans-1,3-Dichloropropene	mg/l	0.0257	0.0254	103.	33-153	1.00	22	L512367-01	WG532209
Trichloroethene	mg/l	0.0262	0.0263	105.	18-163	0.510	21	L512367-01	WG532209
Trichlorofluoromethane	mg/l	0.0220	0.0230	88.0	10-177	4.34	24	L512367-01	WG532209

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Withers & Ravenel Eng. - DSCA
David Kwiatkowski
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Vinyl chloride	mg/l	0.0238	0.0234	95.0	0-179	1.36	26	L512367-01	WG532209
Xylenes, Total	mg/l	0.0808	0.0823	108.	27-151	1.83	23	L512367-01	WG532209
4-Bromofluorobenzene				104.8	75-128				WG532209
Dibromofluoromethane				101.8	79-125				WG532209
Toluene-d8				103.7	87-114				WG532209
1,1,1,2-Tetrachloroethane	mg/l	0.0228	0.0223	91.3	45-152	2.50	21	L512435-02	WG532210
1,1,1-Trichloroethane	mg/l	0.0237	0.0227	94.9	31-161	4.33	23	L512435-02	WG532210
1,1,2,2-Tetrachloroethane	mg/l	0.0213	0.0206	85.3	49-149	3.34	22	L512435-02	WG532210
1,1,2-Trichloroethane	mg/l	0.0206	0.0213	82.2	46-145	3.40	20	L512435-02	WG532210
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0286	0.0265	114.	14-168	7.59	24	L512435-02	WG532210
1,1-Dichloroethane	mg/l	0.0234	0.0217	93.4	30-159	7.53	21	L512435-02	WG532210
1,1-Dichloroethene	mg/l	0.0253	0.0233	101.	10-162	8.17	23	L512435-02	WG532210
1,1-Dichloropropene	mg/l	0.0212	0.0202	84.8	14-162	4.63	23	L512435-02	WG532210
1,2,3-Trichlorobenzene	mg/l	0.0238	0.0202	95.4	32-143	16.5	33	L512435-02	WG532210
1,2,3-Trichloropropane	mg/l	0.0223	0.0205	89.3	48-148	8.28	23	L512435-02	WG532210
1,2,3-Trimethylbenzene	mg/l	0.0211	0.0207	84.4	36-141	1.65	25	L512435-02	WG532210
1,2,4-Trichlorobenzene	mg/l	0.0248	0.0219	99.1	27-142	12.4	30	L512435-02	WG532210
1,2,4-Trimethylbenzene	mg/l	0.0215	0.0202	86.0	29-153	6.45	27	L512435-02	WG532210
1,2-Dibromo-3-Chloropropane	mg/l	0.0208	0.0210	83.0	37-148	1.01	27	L512435-02	WG532210
1,2-Dibromoethane	mg/l	0.0208	0.0201	83.2	41-149	3.46	21	L512435-02	WG532210
1,2-Dichlorobenzene	mg/l	0.0214	0.0208	85.7	40-139	2.90	23	L512435-02	WG532210
1,2-Dichloroethane	mg/l	0.0215	0.0202	86.1	29-167	6.53	21	L512435-02	WG532210
1,2-Dichloropropane	mg/l	0.0216	0.0209	86.2	39-148	3.02	20	L512435-02	WG532210
1,3,5-Trimethylbenzene	mg/l	0.0223	0.0213	89.2	33-149	4.47	26	L512435-02	WG532210
1,3-Dichlorobenzene	mg/l	0.0227	0.0216	90.9	32-148	5.05	24	L512435-02	WG532210
1,3-Dichloropropane	mg/l	0.0203	0.0207	81.4	44-142	1.65	20	L512435-02	WG532210
1,4-Dichlorobenzene	mg/l	0.0212	0.0215	84.7	32-136	1.36	23	L512435-02	WG532210
2,2-Dichloropropane	mg/l	0.0287	0.0260	115.	14-158	10.1	23	L512435-02	WG532210
2-Butanone (MEK)	mg/l	0.107	0.102	86.0	32-151	5.66	26	L512435-02	WG532210
2-Chloroethyl vinyl ether	mg/l	0.0183	0.0330	14.6	0-175	57.4	75	L512435-02	WG532210
2-Chlorotoluene	mg/l	0.0220	0.0214	87.8	35-147	2.51	24	L512435-02	WG532210
4-Chlorotoluene	mg/l	0.0217	0.0209	86.8	33-147	3.79	25	L512435-02	WG532210
4-Methyl-2-pentanone (MIBK)	mg/l	0.108	0.102	86.1	40-160	5.05	28	L512435-02	WG532210
Acetone	mg/l	0.0948	0.0903	75.9	25-157	4.86	26	L512435-02	WG532210
Acrolein	mg/l	0.0775	0.0696	62.0	0-179	10.8	39	L512435-02	WG532210
Acrylonitrile	mg/l	0.108	0.100	86.0	37-162	6.82	24	L512435-02	WG532210
Benzene	mg/l	0.0210	0.0200	84.1	16-158	5.04	21	L512435-02	WG532210
Bromobenzene	mg/l	0.0233	0.0227	93.1	37-147	2.32	23	L512435-02	WG532210
Bromodichloromethane	mg/l	0.0207	0.0202	82.9	45-147	2.68	20	L512435-02	WG532210
Bromoform	mg/l	0.0214	0.0208	85.8	38-152	2.86	20	L512435-02	WG532210
Bromomethane	mg/l	0.0196	0.0186	78.4	0-191	5.13	35	L512435-02	WG532210
Carbon tetrachloride	mg/l	0.0259	0.0243	104.	22-168	6.68	24	L512435-02	WG532210
Chlorobenzene	mg/l	0.0215	0.0212	86.0	33-148	1.47	22	L512435-02	WG532210
Chlorodibromomethane	mg/l	0.0208	0.0204	83.2	48-151	1.90	21	L512435-02	WG532210
Chloroethane	mg/l	0.0207	0.0197	82.8	4-176	4.83	27	L512435-02	WG532210
Chloroform	mg/l	0.0234	0.0216	93.5	37-147	7.83	21	L512435-02	WG532210
Chloromethane	mg/l	0.0179	0.0173	71.6	10-174	3.41	28	L512435-02	WG532210
cis-1,2-Dichloroethene	mg/l	0.0228	0.0214	91.1	29-156	6.37	22	L512435-02	WG532210
cis-1,3-Dichloropropene	mg/l	0.0207	0.0205	82.8	35-148	0.900	21	L512435-02	WG532210
Di-isopropyl ether	mg/l	0.0224	0.0207	89.7	39-160	8.08	21	L512435-02	WG532210
Dibromomethane	mg/l	0.0208	0.0194	83.2	36-152	7.19	20	L512435-02	WG532210
Dichlorodifluoromethane	mg/l	0.0224	0.0219	89.4	0-200	1.87	26	L512435-02	WG532210
Ethylbenzene	mg/l	0.0217	0.0213	86.8	29-150	1.95	24	L512435-02	WG532210
Hexachloro-1,3-butadiene	mg/l	0.0229	0.0204	91.7	28-144	11.8	33	L512435-02	WG532210
Isopropylbenzene	mg/l	0.0249	0.0242	99.4	35-147	2.79	25	L512435-02	WG532210
Methyl tert-butyl ether	mg/l	0.0238	0.0216	95.0	24-167	9.55	22	L512435-02	WG532210
Methylene Chloride	mg/l	0.0222	0.0205	88.8	23-151	8.12	21	L512435-02	WG532210

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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David Kwiatkowski
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Butylbenzene	mg/l	0.0217	0.0218	86.9	22-151	0.190	29	L512435-02	WG532210
n-Propylbenzene	mg/l	0.0225	0.0218	89.8	26-150	2.96	25	L512435-02	WG532210
Naphthalene	mg/l	0.0225	0.0191	90.0	24-160	16.1	37	L512435-02	WG532210
p-Isopropyltoluene	mg/l	0.0230	0.0212	92.0	28-151	8.12	27	L512435-02	WG532210
sec-Butylbenzene	mg/l	0.0230	0.0218	92.2	32-149	5.69	26	L512435-02	WG532210
Styrene	mg/l	0.0152	0.0151	61.0	38-149	1.17	23	L512435-02	WG532210
tert-Butylbenzene	mg/l	0.0232	0.0219	92.8	36-149	5.78	26	L512435-02	WG532210
Tetrachloroethene	mg/l	0.0214	0.0224	85.4	13-157	4.66	24	L512435-02	WG532210
Toluene	mg/l	0.0219	0.0215	87.4	22-152	1.73	22	L512435-02	WG532210
trans-1,2-Dichloroethene	mg/l	0.0216	0.0202	86.4	11-160	6.46	23	L512435-02	WG532210
trans-1,3-Dichloropropene	mg/l	0.0203	0.0202	81.0	33-153	0	22	L512435-02	WG532210
Trichloroethene	mg/l	0.0206	0.0198	82.4	18-163	3.84	21	L512435-02	WG532210
Trichlorofluoromethane	mg/l	0.0221	0.0207	88.4	10-177	6.47	24	L512435-02	WG532210
Vinyl chloride	mg/l	0.0208	0.0193	83.0	0-179	7.39	26	L512435-02	WG532210
Xylenes, Total	mg/l	0.0651	0.0637	86.8	27-151	2.20	23	L512435-02	WG532210
4-Bromofluorobenzene				99.95	75-128				WG532210
Dibromofluoromethane				101.6	79-125				WG532210
Toluene-d8				103.7	87-114				WG532210

Batch number /Run number / Sample number cross reference

WG532209: R1660170: L512368-01 02 03 04
WG532210: R1663592: L512368-05 06 07 08 09 10

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers'

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Cary, NC 27511

Quality Assurance Report
Level II

L512368

April 27, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Chain of Custody

Page 1 of 2

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
(Circle One)

WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: David K

Email to: @withersravenel.com

Project Description: Exclusive Cleaners

City/State Collected: Wilson NC

Phone: 919-469-3340
FAX: 919-467-6008

Client Project #: 02626496.16

ESC Key:

Collected by: Matt James

Site/Facility ID#: 92-0004

P.O.#:

Collected by (signature):

Packed on Ice N Y X

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:

Email? __No X Yes

FAX? X No __Yes

Analysis/Container/Preservative

VOC's by EPA 8260B

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
MW-1D				4/19	1310	2		L512368-01
MW-2I					1330	2		02
MW-3					1250	2		03
MW-6					1220	2		04
MW-7					1225	2		05
MW-9					1400	2		06
MW-10					1050	2		07
MW-13					1600	2		08
MW-14					1520	2		09

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Flow _____ Other _____

Remarks:

4/20/11 13:35

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859
B166

CoCode (lab use only)

Template/Prelogin

Shipped Via:

Relinquished by: (Signature)	Date: 4/19/11	Time: 1402	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ GWA

Temp: 2.4°C

Bottles Received: 20 √ +1TB

Date: 4/21/11

Time: 1145

Condition: Ok (lab use only)

pH Checked:

NCF:

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
(Circle One)

WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: DavidK

Email to: @withersravenel.com

Project Description: Exclusive Cleaners

City/State Collected: Wilson NC

Phone: 919-469-3340
FAX: 919-467-6008

Client Project #: C2260496.16

ESC Key:

Collected by: Matt James

Site/Facility ID#: 92-0004

P.O.#:

Collected by (signature):

Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:

Email? __No X Yes

FAX? X No __Yes

Analysis/Container/Preservative

VOCs by 8260B

Chain of Custody Page 2 of 2

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
MW-25D				4/19	1255	2 X		L512368-10

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: 4/20/11, 3:35

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ SWA	Condition: (lab use only)
	4/19/11	1910			O/C
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.4°C	Bottles Received: 20 + TB
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/21/11	Time: 1145

pH Checked: NCF:

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Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

Report Summary

Tuesday November 09, 2010

Report Number: L487587
Samples Received: 11/05/10
Client Project: 2060496.16

Description: Exclusive

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

November 09,2010

Date Received : November 05, 2010
Description : Exclusive Cleaners

ESC Sample # : L487587-01

Site ID :

Sample ID : MW-25D

Project # : 2060496.16

Collected By : Patrick Farfor
Collection Date : 11/03/10 11:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/06/10	1
Acrolein	BDL	50.	ug/l	8260B	11/06/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	11/06/10	1
Benzene	BDL	1.0	ug/l	8260B	11/06/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Bromodichloromethane	2.0	1.0	ug/l	8260B	11/06/10	1
Bromoform	BDL	1.0	ug/l	8260B	11/06/10	1
Bromomethane	BDL	5.0	ug/l	8260B	11/06/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/06/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/06/10	1
Chloroethane	BDL	5.0	ug/l	8260B	11/06/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	11/06/10	1
Chloroform	11.	5.0	ug/l	8260B	11/06/10	1
Chloromethane	BDL	2.5	ug/l	8260B	11/06/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	11/06/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	11/06/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/06/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/06/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	11/06/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/06/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/06/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/06/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/06/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	11/06/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	11/06/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/06/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/06/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/06/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/06/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	11/06/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	11/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

November 09,2010

ESC Sample # : L487587-01

Site ID :

Project # : 2060496.16

Date Received : November 05, 2010
Description : Exclusive Cleaners

Sample ID : MW-25D

Collected By : Patrick Farfor
Collection Date : 11/03/10 11:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/06/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/06/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/06/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/06/10	1
Naphthalene	BDL	5.0	ug/l	8260B	11/06/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Styrene	BDL	1.0	ug/l	8260B	11/06/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	11/06/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	11/06/10	1
Toluene	BDL	5.0	ug/l	8260B	11/06/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/06/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/06/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	11/06/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	11/06/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/06/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/06/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/06/10	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	11/06/10	1
Dibromofluoromethane	107.		% Rec.	8260B	11/06/10	1
4-Bromofluorobenzene	102.		% Rec.	8260B	11/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 11/09/10 16:36 Printed: 11/09/10 16:40

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L487587-01	WG507147	SAMP	2-Chloroethyl vinyl ether	R1465110	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

' Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Patrick Farfour
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L487587

November 09, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1,1-Trichloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1,2-Trichloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1-Dichloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,1-Dichloroethene	< .001	mg/l			WG507147	11/06/10 11:21
1,1-Dichloropropene	< .001	mg/l			WG507147	11/06/10 11:21
1,2,3-Trichlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,2,3-Trichloropropane	< .001	mg/l			WG507147	11/06/10 11:21
1,2,3-Trimethylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,2,4-Trichlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,2,4-Trimethylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG507147	11/06/10 11:21
1,2-Dibromoethane	< .001	mg/l			WG507147	11/06/10 11:21
1,2-Dichlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,2-Dichloroethane	< .001	mg/l			WG507147	11/06/10 11:21
1,2-Dichloropropane	< .001	mg/l			WG507147	11/06/10 11:21
1,3,5-Trimethylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,3-Dichlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
1,3-Dichloropropane	< .001	mg/l			WG507147	11/06/10 11:21
1,4-Dichlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
2,2-Dichloropropane	< .001	mg/l			WG507147	11/06/10 11:21
2-Butanone (MEK)	< .01	mg/l			WG507147	11/06/10 11:21
2-Chloroethyl vinyl ether	< .05	mg/l			WG507147	11/06/10 11:21
2-Chlorotoluene	< .001	mg/l			WG507147	11/06/10 11:21
4-Chlorotoluene	< .001	mg/l			WG507147	11/06/10 11:21
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG507147	11/06/10 11:21
Acetone	< .05	mg/l			WG507147	11/06/10 11:21
Acrolein	< .05	mg/l			WG507147	11/06/10 11:21
Acrylonitrile	< .01	mg/l			WG507147	11/06/10 11:21
Benzene	< .001	mg/l			WG507147	11/06/10 11:21
Bromobenzene	< .001	mg/l			WG507147	11/06/10 11:21
Bromodichloromethane	< .001	mg/l			WG507147	11/06/10 11:21
Bromoform	< .001	mg/l			WG507147	11/06/10 11:21
Bromomethane	< .005	mg/l			WG507147	11/06/10 11:21
Carbon tetrachloride	< .001	mg/l			WG507147	11/06/10 11:21
Chlorobenzene	< .001	mg/l			WG507147	11/06/10 11:21
Chlorodibromomethane	< .001	mg/l			WG507147	11/06/10 11:21
Chloroethane	< .001	mg/l			WG507147	11/06/10 11:21
Chloroform	< .005	mg/l			WG507147	11/06/10 11:21
Chloromethane	< .001	mg/l			WG507147	11/06/10 11:21
cis-1,2-Dichloroethene	< .001	mg/l			WG507147	11/06/10 11:21
cis-1,3-Dichloropropene	< .001	mg/l			WG507147	11/06/10 11:21
Di-isopropyl ether	< .001	mg/l			WG507147	11/06/10 11:21
Dibromomethane	< .001	mg/l			WG507147	11/06/10 11:21
Dichlorodifluoromethane	< .005	mg/l			WG507147	11/06/10 11:21
Ethylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
Hexachloro-1,3-butadiene	< .001	mg/l			WG507147	11/06/10 11:21
Isopropylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
Methyl tert-butyl ether	< .001	mg/l			WG507147	11/06/10 11:21
Methylene Chloride	< .005	mg/l			WG507147	11/06/10 11:21
n-Butylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
n-Propylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
Naphthalene	< .005	mg/l			WG507147	11/06/10 11:21
p-Isopropyltoluene	< .001	mg/l			WG507147	11/06/10 11:21
sec-Butylbenzene	< .001	mg/l			WG507147	11/06/10 11:21
Styrene	< .001	mg/l			WG507147	11/06/10 11:21
tert-Butylbenzene	< .001	mg/l			WG507147	11/06/10 11:21

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L487587

November 09, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG507147	11/06/10 11:21
Toluene	< .005	mg/l			WG507147	11/06/10 11:21
trans-1,2-Dichloroethene	< .001	mg/l			WG507147	11/06/10 11:21
trans-1,3-Dichloropropene	< .001	mg/l			WG507147	11/06/10 11:21
Trichloroethene	< .001	mg/l			WG507147	11/06/10 11:21
Trichlorofluoromethane	< .005	mg/l			WG507147	11/06/10 11:21
Vinyl chloride	< .001	mg/l			WG507147	11/06/10 11:21
Xylenes, Total	< .003	mg/l			WG507147	11/06/10 11:21
4-Bromofluorobenzene		% Rec.	104.7	75-128	WG507147	11/06/10 11:21
Dibromofluoromethane		% Rec.	104.2	79-125	WG507147	11/06/10 11:21
Toluene-d8		% Rec.	103.3	87-114	WG507147	11/06/10 11:21

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0241	96.4	75-134	WG507147
1,1,1-Trichloroethane	mg/l	.025	0.0260	104.	67-137	WG507147
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0256	102.	72-128	WG507147
1,1,2-Trichloroethane	mg/l	.025	0.0249	99.7	79-123	WG507147
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0268	107.	51-149	WG507147
1,1-Dichloroethane	mg/l	.025	0.0260	104.	67-133	WG507147
1,1-Dichloroethene	mg/l	.025	0.0303	121.	60-130	WG507147
1,1-Dichloropropene	mg/l	.025	0.0258	103.	68-132	WG507147
1,2,3-Trichlorobenzene	mg/l	.025	0.0245	98.2	63-138	WG507147
1,2,3-Trichloropropane	mg/l	.025	0.0240	96.0	68-130	WG507147
1,2,3-Trimethylbenzene	mg/l	.025	0.0241	96.5	70-127	WG507147
1,2,4-Trichlorobenzene	mg/l	.025	0.0240	95.9	65-137	WG507147
1,2,4-Trimethylbenzene	mg/l	.025	0.0238	95.3	72-135	WG507147
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0229	91.7	55-134	WG507147
1,2-Dibromoethane	mg/l	.025	0.0247	98.6	75-126	WG507147
1,2-Dichlorobenzene	mg/l	.025	0.0241	96.5	75-122	WG507147
1,2-Dichloroethane	mg/l	.025	0.0264	105.	63-137	WG507147
1,2-Dichloropropane	mg/l	.025	0.0255	102.	74-122	WG507147
1,3,5-Trimethylbenzene	mg/l	.025	0.0239	95.7	73-134	WG507147
1,3-Dichlorobenzene	mg/l	.025	0.0236	94.6	73-131	WG507147
1,3-Dichloropropane	mg/l	.025	0.0236	94.4	77-119	WG507147
1,4-Dichlorobenzene	mg/l	.025	0.0233	93.1	70-121	WG507147
2,2-Dichloropropane	mg/l	.025	0.0253	101.	46-151	WG507147
2-Butanone (MEK)	mg/l	.125	0.140	112.	53-132	WG507147
2-Chloroethyl vinyl ether	mg/l	.125	0.131	104.	0-171	WG507147
2-Chlorotoluene	mg/l	.025	0.0237	94.8	74-128	WG507147
4-Chlorotoluene	mg/l	.025	0.0235	93.9	74-130	WG507147
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.131	105.	60-142	WG507147
Acetone	mg/l	.125	0.142	114.	48-134	WG507147
Acrolein	mg/l	.125	0.114	90.9	6-182	WG507147
Acrylonitrile	mg/l	.125	0.138	111.	60-140	WG507147
Benzene	mg/l	.025	0.0259	104.	67-126	WG507147
Bromobenzene	mg/l	.025	0.0233	93.1	76-123	WG507147
Bromodichloromethane	mg/l	.025	0.0252	101.	68-133	WG507147
Bromoform	mg/l	.025	0.0211	84.6	60-139	WG507147
Bromomethane	mg/l	.025	0.0290	116.	45-175	WG507147
Carbon tetrachloride	mg/l	.025	0.0236	94.4	64-141	WG507147
Chlorobenzene	mg/l	.025	0.0235	93.9	77-125	WG507147
Chlorodibromomethane	mg/l	.025	0.0234	93.5	73-138	WG507147
Chloroethane	mg/l	.025	0.0281	112.	49-155	WG507147
Chloroform	mg/l	.025	0.0265	106.	66-126	WG507147
Chloromethane	mg/l	.025	0.0243	97.3	45-152	WG507147
cis-1,2-Dichloroethene	mg/l	.025	0.0264	106.	72-128	WG507147
cis-1,3-Dichloropropene	mg/l	.025	0.0252	101.	73-131	WG507147

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L487587

November 09, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Di-isopropyl ether	mg/l	.025	0.0262	105.	63-139	WG507147
Dibromomethane	mg/l	.025	0.0258	103.	73-125	WG507147
Dichlorodifluoromethane	mg/l	.025	0.0223	89.2	39-189	WG507147
Ethylbenzene	mg/l	.025	0.0235	94.1	76-129	WG507147
Hexachloro-1,3-butadiene	mg/l	.025	0.0239	95.5	67-135	WG507147
Isopropylbenzene	mg/l	.025	0.0239	95.7	73-132	WG507147
Methyl tert-butyl ether	mg/l	.025	0.0267	107.	51-142	WG507147
Methylene Chloride	mg/l	.025	0.0256	102.	64-125	WG507147
n-Butylbenzene	mg/l	.025	0.0236	94.5	63-142	WG507147
n-Propylbenzene	mg/l	.025	0.0236	94.3	71-132	WG507147
Naphthalene	mg/l	.025	0.0249	99.6	56-145	WG507147
p-Isopropyltoluene	mg/l	.025	0.0239	95.8	68-138	WG507147
sec-Butylbenzene	mg/l	.025	0.0242	96.9	70-135	WG507147
Styrene	mg/l	.025	0.0231	92.4	78-130	WG507147
tert-Butylbenzene	mg/l	.025	0.0243	97.1	72-134	WG507147
Tetrachloroethene	mg/l	.025	0.0232	92.7	67-135	WG507147
Toluene	mg/l	.025	0.0243	97.2	72-122	WG507147
trans-1,2-Dichloroethene	mg/l	.025	0.0261	105.	67-129	WG507147
trans-1,3-Dichloropropene	mg/l	.025	0.0241	96.5	66-137	WG507147
Trichloroethene	mg/l	.025	0.0255	102.	74-126	WG507147
Trichlorofluoromethane	mg/l	.025	0.0262	105.	54-156	WG507147
Vinyl chloride	mg/l	.025	0.0263	105.	55-153	WG507147
Xylenes, Total	mg/l	.075	0.0714	95.2	75-128	WG507147
4-Bromofluorobenzene				97.70	75-128	WG507147
Dibromofluoromethane				107.6	79-125	WG507147
Toluene-d8				104.6	87-114	WG507147

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0246	0.0241	98.0	75-134	2.26	20	WG507147
1,1,1-Trichloroethane	mg/l	0.0261	0.0260	104.	67-137	0.400	20	WG507147
1,1,2,2-Tetrachloroethane	mg/l	0.0254	0.0256	102.	72-128	0.690	20	WG507147
1,1,2-Trichloroethane	mg/l	0.0249	0.0249	100.	79-123	0.0900	20	WG507147
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0258	0.0268	103.	51-149	3.50	20	WG507147
1,1-Dichloroethane	mg/l	0.0264	0.0260	105.	67-133	1.20	20	WG507147
1,1-Dichloroethene	mg/l	0.0296	0.0303	118.	60-130	2.34	20	WG507147
1,1-Dichloropropene	mg/l	0.0258	0.0258	103.	68-132	0.0600	20	WG507147
1,2,3-Trichlorobenzene	mg/l	0.0244	0.0245	98.0	63-138	0.660	20	WG507147
1,2,3-Trichloropropane	mg/l	0.0235	0.0240	94.0	68-130	2.23	20	WG507147
1,2,3-Trimethylbenzene	mg/l	0.0243	0.0241	97.0	70-127	0.630	20	WG507147
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0240	97.0	65-137	0.720	20	WG507147
1,2,4-Trimethylbenzene	mg/l	0.0245	0.0238	98.0	72-135	2.66	20	WG507147
1,2-Dibromo-3-Chloropropane	mg/l	0.0218	0.0229	87.0	55-134	4.80	20	WG507147
1,2-Dibromoethane	mg/l	0.0248	0.0247	99.0	75-126	0.750	20	WG507147
1,2-Dichlorobenzene	mg/l	0.0241	0.0241	96.0	75-122	0.120	20	WG507147
1,2-Dichloroethane	mg/l	0.0262	0.0264	105.	63-137	0.440	20	WG507147
1,2-Dichloropropane	mg/l	0.0254	0.0255	102.	74-122	0.0700	20	WG507147
1,3,5-Trimethylbenzene	mg/l	0.0246	0.0239	98.0	73-134	2.94	20	WG507147
1,3-Dichlorobenzene	mg/l	0.0244	0.0236	98.0	73-131	3.23	20	WG507147
1,3-Dichloropropane	mg/l	0.0238	0.0236	95.0	77-119	0.700	20	WG507147
1,4-Dichlorobenzene	mg/l	0.0236	0.0233	94.0	70-121	1.48	20	WG507147
2,2-Dichloropropane	mg/l	0.0252	0.0253	101.	46-151	0.400	20	WG507147
2-Butanone (MEK)	mg/l	0.136	0.140	109.	53-132	2.96	20	WG507147
2-Chloroethyl vinyl ether	mg/l	0.128	0.131	103.	0-171	1.60	27	WG507147
2-Chlorotoluene	mg/l	0.0244	0.0237	98.0	74-128	2.84	20	WG507147
4-Chlorotoluene	mg/l	0.0242	0.0235	97.0	74-130	3.08	20	WG507147
4-Methyl-2-pentanone (MIBK)	mg/l	0.124	0.131	99.0	60-142	5.18	20	WG507147
Acetone	mg/l	0.136	0.142	109.	48-134	4.09	20	WG507147

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Est. 1970

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Patrick Farfour
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L487587

November 09, 2010

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Acrolein	mg/l	0.110	0.114	88.0	6-182	2.93	39	WG507147
Acrylonitrile	mg/l	0.133	0.138	106.	60-140	4.18	20	WG507147
Benzene	mg/l	0.0261	0.0259	104.	67-126	0.700	20	WG507147
Bromobenzene	mg/l	0.0230	0.0233	95.0	76-123	2.37	20	WG507147
Bromodichloromethane	mg/l	0.0253	0.0252	101.	68-133	0.470	20	WG507147
Bromoform	mg/l	0.0212	0.0211	85.0	60-139	0.310	20	WG507147
Bromomethane	mg/l	0.0285	0.0290	114.	45-175	1.76	20	WG507147
Carbon tetrachloride	mg/l	0.0241	0.0236	96.0	64-141	1.94	20	WG507147
Chlorobenzene	mg/l	0.0241	0.0235	96.0	77-125	2.74	20	WG507147
Chlorodibromomethane	mg/l	0.0239	0.0234	96.0	73-138	2.14	20	WG507147
Chloroethane	mg/l	0.0276	0.0281	110.	49-155	1.79	20	WG507147
Chloroform	mg/l	0.0267	0.0265	107.	66-126	0.810	20	WG507147
Chloromethane	mg/l	0.0246	0.0243	98.0	45-152	1.14	20	WG507147
cis-1,2-Dichloroethene	mg/l	0.0265	0.0264	106.	72-128	0.400	20	WG507147
cis-1,3-Dichloropropene	mg/l	0.0254	0.0252	102.	73-131	0.990	20	WG507147
Di-isopropyl ether	mg/l	0.0265	0.0262	106.	63-139	1.08	20	WG507147
Dibromomethane	mg/l	0.0253	0.0258	101.	73-125	1.97	20	WG507147
Dichlorodifluoromethane	mg/l	0.0224	0.0223	89.0	39-189	0.280	24	WG507147
Ethylbenzene	mg/l	0.0241	0.0235	96.0	76-129	2.32	20	WG507147
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0239	97.0	67-135	1.99	20	WG507147
Isopropylbenzene	mg/l	0.0245	0.0239	98.0	73-132	2.43	20	WG507147
Methyl tert-butyl ether	mg/l	0.0261	0.0267	104.	51-142	2.35	20	WG507147
Methylene Chloride	mg/l	0.0259	0.0256	104.	64-125	1.31	20	WG507147
n-Butylbenzene	mg/l	0.0241	0.0236	96.0	63-142	1.89	20	WG507147
n-Propylbenzene	mg/l	0.0241	0.0236	96.0	71-132	2.40	20	WG507147
Naphthalene	mg/l	0.0242	0.0249	97.0	56-145	2.96	20	WG507147
p-Isopropyltoluene	mg/l	0.0246	0.0239	98.0	68-138	2.82	20	WG507147
sec-Butylbenzene	mg/l	0.0247	0.0242	99.0	70-135	2.13	20	WG507147
Styrene	mg/l	0.0237	0.0231	95.0	78-130	2.62	20	WG507147
tert-Butylbenzene	mg/l	0.0250	0.0243	100.	72-134	2.96	20	WG507147
Tetrachloroethene	mg/l	0.0240	0.0232	96.0	67-135	3.46	20	WG507147
Toluene	mg/l	0.0245	0.0243	98.0	72-122	0.620	20	WG507147
trans-1,2-Dichloroethene	mg/l	0.0263	0.0261	105.	67-129	0.430	20	WG507147
trans-1,3-Dichloropropene	mg/l	0.0239	0.0241	95.0	66-137	1.09	20	WG507147
Trichloroethene	mg/l	0.0259	0.0255	104.	74-126	1.65	20	WG507147
Trichlorofluoromethane	mg/l	0.0262	0.0262	105.	54-156	0.330	20	WG507147
Vinyl chloride	mg/l	0.0261	0.0263	104.	55-153	0.560	20	WG507147
Xylenes, Total	mg/l	0.0731	0.0714	97.0	75-128	2.37	20	WG507147
4-Bromofluorobenzene				99.98	75-128			WG507147
Dibromofluoromethane				105.7	79-125			WG507147
Toluene-d8				103.9	87-114			WG507147

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0249	0	.025	99.4	45-152	L487587-01	WG507147
1,1,1-Trichloroethane	mg/l	0.0268	0	.025	107.	31-161	L487587-01	WG507147
1,1,2,2-Tetrachloroethane	mg/l	0.0279	0	.025	112.	49-149	L487587-01	WG507147
1,1,2-Trichloroethane	mg/l	0.0263	0	.025	105.	46-145	L487587-01	WG507147
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0278	0	.025	111.	14-168	L487587-01	WG507147
1,1-Dichloroethane	mg/l	0.0264	0	.025	106.	30-159	L487587-01	WG507147
1,1-Dichloroethene	mg/l	0.0312	0	.025	125.	10-162	L487587-01	WG507147
1,1-Dichloropropene	mg/l	0.0263	0	.025	105.	14-162	L487587-01	WG507147
1,2,3-Trichlorobenzene	mg/l	0.0254	0	.025	102.	32-143	L487587-01	WG507147
1,2,3-Trichloropropane	mg/l	0.0257	0	.025	103.	48-148	L487587-01	WG507147
1,2,3-Trimethylbenzene	mg/l	0.0243	0	.025	97.4	36-141	L487587-01	WG507147
1,2,4-Trichlorobenzene	mg/l	0.0250	0	.025	100.	27-142	L487587-01	WG507147
1,2,4-Trimethylbenzene	mg/l	0.0246	0	.025	98.3	29-153	L487587-01	WG507147
1,2-Dibromo-3-Chloropropane	mg/l	0.0245	0	.025	98.0	37-148	L487587-01	WG507147

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Quality Assurance Report
Level II

L487587

November 09, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dibromoethane	mg/l	0.0261	0	.025	104.	41-149	L487587-01	WG507147
1,2-Dichlorobenzene	mg/l	0.0246	0	.025	98.5	40-139	L487587-01	WG507147
1,2-Dichloroethane	mg/l	0.0268	0	.025	107.	29-167	L487587-01	WG507147
1,2-Dichloropropane	mg/l	0.0262	0	.025	105.	39-148	L487587-01	WG507147
1,3,5-Trimethylbenzene	mg/l	0.0248	0	.025	99.1	33-149	L487587-01	WG507147
1,3-Dichlorobenzene	mg/l	0.0250	0	.025	100.	32-148	L487587-01	WG507147
1,3-Dichloropropane	mg/l	0.0249	0	.025	99.6	44-142	L487587-01	WG507147
1,4-Dichlorobenzene	mg/l	0.0243	0	.025	97.2	32-136	L487587-01	WG507147
2,2-Dichloropropane	mg/l	0.0257	0	.025	103.	14-158	L487587-01	WG507147
2-Butanone (MEK)	mg/l	0.146	0	.125	117.	32-151	L487587-01	WG507147
2-Chloroethyl vinyl ether	mg/l	0.0371	0	.125	29.7	0-175	L487587-01	WG507147
2-Chlorotoluene	mg/l	0.0247	0	.025	98.8	35-147	L487587-01	WG507147
4-Chlorotoluene	mg/l	0.0246	0	.025	98.3	33-147	L487587-01	WG507147
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0	.125	115.	40-160	L487587-01	WG507147
Acetone	mg/l	0.143	0	.125	114.	25-157	L487587-01	WG507147
Acrolein	mg/l	0.150	0	.125	120.	0-179	L487587-01	WG507147
Acrylonitrile	mg/l	0.148	0	.125	118.	37-162	L487587-01	WG507147
Benzene	mg/l	0.0266	0	.025	106.	16-158	L487587-01	WG507147
Bromobenzene	mg/l	0.0243	0	.025	97.2	37-147	L487587-01	WG507147
Bromodichloromethane	mg/l	0.0288	0.00200	.025	107.	45-147	L487587-01	WG507147
Bromoform	mg/l	0.0229	0	.025	91.4	38-152	L487587-01	WG507147
Bromomethane	mg/l	0.0282	0	.025	113.	0-191	L487587-01	WG507147
Carbon tetrachloride	mg/l	0.0245	0	.025	98.1	22-168	L487587-01	WG507147
Chlorobenzene	mg/l	0.0246	0	.025	98.4	33-148	L487587-01	WG507147
Chlorodibromomethane	mg/l	0.0257	0	.025	103.	48-151	L487587-01	WG507147
Chloroethane	mg/l	0.0278	0	.025	111.	4-176	L487587-01	WG507147
Chloroform	mg/l	0.0377	0.0110	.025	107.	37-147	L487587-01	WG507147
Chloromethane	mg/l	0.0242	0	.025	96.8	10-174	L487587-01	WG507147
cis-1,2-Dichloroethene	mg/l	0.0269	0	.025	108.	29-156	L487587-01	WG507147
cis-1,3-Dichloropropene	mg/l	0.0263	0	.025	105.	35-148	L487587-01	WG507147
Di-isopropyl ether	mg/l	0.0268	0	.025	107.	39-160	L487587-01	WG507147
Dibromomethane	mg/l	0.0269	0	.025	108.	36-152	L487587-01	WG507147
Dichlorodifluoromethane	mg/l	0.0224	0	.025	89.7	0-200	L487587-01	WG507147
Ethylbenzene	mg/l	0.0244	0	.025	97.8	29-150	L487587-01	WG507147
Hexachloro-1,3-butadiene	mg/l	0.0249	0	.025	99.7	28-144	L487587-01	WG507147
Isopropylbenzene	mg/l	0.0250	0	.025	99.9	35-147	L487587-01	WG507147
Methyl tert-butyl ether	mg/l	0.0278	0	.025	111.	24-167	L487587-01	WG507147
Methylene Chloride	mg/l	0.0258	0	.025	103.	23-151	L487587-01	WG507147
n-Butylbenzene	mg/l	0.0246	0	.025	98.5	22-151	L487587-01	WG507147
n-Propylbenzene	mg/l	0.0248	0	.025	99.4	26-150	L487587-01	WG507147
Naphthalene	mg/l	0.0260	0	.025	104.	24-160	L487587-01	WG507147
p-Isopropyltoluene	mg/l	0.0252	0	.025	101.	28-151	L487587-01	WG507147
sec-Butylbenzene	mg/l	0.0254	0	.025	101.	32-149	L487587-01	WG507147
Styrene	mg/l	0.0242	0	.025	96.8	38-149	L487587-01	WG507147
tert-Butylbenzene	mg/l	0.0256	0	.025	102.	36-149	L487587-01	WG507147
Tetrachloroethene	mg/l	0.0252	0	.025	101.	13-157	L487587-01	WG507147
Toluene	mg/l	0.0258	0	.025	103.	22-152	L487587-01	WG507147
trans-1,2-Dichloroethene	mg/l	0.0265	0	.025	106.	11-160	L487587-01	WG507147
trans-1,3-Dichloropropene	mg/l	0.0253	0	.025	101.	33-153	L487587-01	WG507147
Trichloroethene	mg/l	0.0262	0	.025	105.	18-163	L487587-01	WG507147
Trichlorofluoromethane	mg/l	0.0268	0	.025	107.	10-177	L487587-01	WG507147
Vinyl chloride	mg/l	0.0263	0	.025	105.	0-179	L487587-01	WG507147
Xylenes, Total	mg/l	0.0740	0	.075	98.7	27-151	L487587-01	WG507147
4-Bromofluorobenzene					100.8	75-128		WG507147
Dibromofluoromethane					106.3	79-125		WG507147
Toluene-d8					104.3	87-114		WG507147

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Quality Assurance Report
Level II

L487587

November 09, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0247	0.0249	98.8	45-152	0.580	21	L487587-01	WG507147
1,1,1-Trichloroethane	mg/l	0.0266	0.0268	106.	31-161	0.730	23	L487587-01	WG507147
1,1,2,2-Tetrachloroethane	mg/l	0.0268	0.0279	107.	49-149	4.20	22	L487587-01	WG507147
1,1,2-Trichloroethane	mg/l	0.0256	0.0263	102.	46-145	2.42	20	L487587-01	WG507147
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0265	0.0278	106.	14-168	4.68	24	L487587-01	WG507147
1,1-Dichloroethane	mg/l	0.0261	0.0264	104.	30-159	1.03	21	L487587-01	WG507147
1,1-Dichloroethene	mg/l	0.0258	0.0312	103.	10-162	18.8	23	L487587-01	WG507147
1,1-Dichloropropene	mg/l	0.0261	0.0263	104.	14-162	0.960	23	L487587-01	WG507147
1,2,3-Trichlorobenzene	mg/l	0.0245	0.0254	98.0	32-143	3.84	33	L487587-01	WG507147
1,2,3-Trichloropropane	mg/l	0.0253	0.0257	101.	48-148	1.57	23	L487587-01	WG507147
1,2,3-Trimethylbenzene	mg/l	0.0237	0.0243	94.8	36-141	2.71	25	L487587-01	WG507147
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0250	96.6	27-142	3.39	30	L487587-01	WG507147
1,2,4-Trimethylbenzene	mg/l	0.0241	0.0246	96.6	29-153	1.74	27	L487587-01	WG507147
1,2-Dibromo-3-Chloropropane	mg/l	0.0239	0.0245	95.6	37-148	2.55	27	L487587-01	WG507147
1,2-Dibromoethane	mg/l	0.0255	0.0261	102.	41-149	2.06	21	L487587-01	WG507147
1,2-Dichlorobenzene	mg/l	0.0240	0.0246	96.0	40-139	2.55	23	L487587-01	WG507147
1,2-Dichloroethane	mg/l	0.0263	0.0268	105.	29-167	2.05	21	L487587-01	WG507147
1,2-Dichloropropane	mg/l	0.0255	0.0262	102.	39-148	2.88	20	L487587-01	WG507147
1,3,5-Trimethylbenzene	mg/l	0.0241	0.0248	96.5	33-149	2.63	26	L487587-01	WG507147
1,3-Dichlorobenzene	mg/l	0.0243	0.0250	97.1	32-148	3.02	24	L487587-01	WG507147
1,3-Dichloropropane	mg/l	0.0238	0.0249	95.0	44-142	4.73	20	L487587-01	WG507147
1,4-Dichlorobenzene	mg/l	0.0233	0.0243	93.3	32-136	4.13	23	L487587-01	WG507147
2,2-Dichloropropane	mg/l	0.0269	0.0257	108.	14-158	4.54	23	L487587-01	WG507147
2-Butanone (MEK)	mg/l	0.138	0.146	110.	32-151	5.91	26	L487587-01	WG507147
2-Chloroethyl vinyl ether	mg/l	0.00497	0.0371	3.98	0-175	153.*	75	L487587-01	WG507147
2-Chlorotoluene	mg/l	0.0243	0.0247	97.4	35-147	1.42	24	L487587-01	WG507147
4-Chlorotoluene	mg/l	0.0239	0.0246	95.7	33-147	2.71	25	L487587-01	WG507147
4-Methyl-2-pentanone (MIBK)	mg/l	0.134	0.144	107.	40-160	7.34	28	L487587-01	WG507147
Acetone	mg/l	0.136	0.143	109.	25-157	4.76	26	L487587-01	WG507147
Acrolein	mg/l	0.143	0.150	114.	0-179	4.88	39	L487587-01	WG507147
Acrylonitrile	mg/l	0.142	0.148	114.	37-162	3.53	24	L487587-01	WG507147
Benzene	mg/l	0.0261	0.0266	104.	16-158	2.05	21	L487587-01	WG507147
Bromobenzene	mg/l	0.0239	0.0243	95.4	37-147	1.84	23	L487587-01	WG507147
Bromodichloromethane	mg/l	0.0277	0.0288	103.	45-147	3.99	20	L487587-01	WG507147
Bromoform	mg/l	0.0221	0.0229	88.2	38-152	3.57	20	L487587-01	WG507147
Bromomethane	mg/l	0.0287	0.0282	115.	0-191	1.75	35	L487587-01	WG507147
Carbon tetrachloride	mg/l	0.0242	0.0245	97.0	22-168	1.15	24	L487587-01	WG507147
Chlorobenzene	mg/l	0.0240	0.0246	96.1	33-148	2.40	22	L487587-01	WG507147
Chlorodibromomethane	mg/l	0.0248	0.0257	99.2	48-151	3.59	21	L487587-01	WG507147
Chloroethane	mg/l	0.0275	0.0278	110.	4-176	1.05	27	L487587-01	WG507147
Chloroform	mg/l	0.0374	0.0377	106.	37-147	0.840	21	L487587-01	WG507147
Chloromethane	mg/l	0.0248	0.0242	99.1	10-174	2.32	28	L487587-01	WG507147
cis-1,2-Dichloroethene	mg/l	0.0265	0.0269	106.	29-156	1.68	22	L487587-01	WG507147
cis-1,3-Dichloropropene	mg/l	0.0249	0.0263	99.7	35-148	5.23	21	L487587-01	WG507147
Di-isopropyl ether	mg/l	0.0264	0.0268	106.	39-160	1.51	21	L487587-01	WG507147
Dibromomethane	mg/l	0.0264	0.0269	105.	36-152	2.05	20	L487587-01	WG507147
Dichlorodifluoromethane	mg/l	0.0224	0.0224	89.6	0-200	0.0400	26	L487587-01	WG507147
Ethylbenzene	mg/l	0.0243	0.0244	97.3	29-150	0.500	24	L487587-01	WG507147
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0249	97.1	28-144	2.71	33	L487587-01	WG507147
Isopropylbenzene	mg/l	0.0246	0.0250	98.5	35-147	1.46	25	L487587-01	WG507147
Methyl tert-butyl ether	mg/l	0.0269	0.0278	108.	24-167	3.17	22	L487587-01	WG507147
Methylene Chloride	mg/l	0.0255	0.0258	102.	23-151	1.16	21	L487587-01	WG507147
n-Butylbenzene	mg/l	0.0241	0.0246	96.4	22-151	2.13	29	L487587-01	WG507147
n-Propylbenzene	mg/l	0.0242	0.0248	96.9	26-150	2.56	25	L487587-01	WG507147
Naphthalene	mg/l	0.0251	0.0260	100.	24-160	3.45	37	L487587-01	WG507147
p-Isopropyltoluene	mg/l	0.0246	0.0252	98.3	28-151	2.70	27	L487587-01	WG507147
sec-Butylbenzene	mg/l	0.0250	0.0254	100.	32-149	1.50	26	L487587-01	WG507147
Styrene	mg/l	0.0242	0.0242	96.8	38-149	0.0200	23	L487587-01	WG507147
tert-Butylbenzene	mg/l	0.0252	0.0256	101.	36-149	1.52	26	L487587-01	WG507147
Tetrachloroethene	mg/l	0.0248	0.0252	99.1	13-157	1.84	24	L487587-01	WG507147

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Withers & Ravenel Eng. - DSCA
Patrick Farfour
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L487587

November 09, 2010

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Toluene	mg/l	0.0250	0.0258	99.8	22-152	3.31	22	L487587-01	WG507147
trans-1,2-Dichloroethene	mg/l	0.0262	0.0265	105.	11-160	1.31	23	L487587-01	WG507147
trans-1,3-Dichloropropene	mg/l	0.0241	0.0253	96.4	33-153	4.88	22	L487587-01	WG507147
Trichloroethene	mg/l	0.0257	0.0262	103.	18-163	1.72	21	L487587-01	WG507147
Trichlorofluoromethane	mg/l	0.0267	0.0268	107.	10-177	0.710	24	L487587-01	WG507147
Vinyl chloride	mg/l	0.0260	0.0263	104.	0-179	0.970	26	L487587-01	WG507147
Xylenes, Total	mg/l	0.0727	0.0740	96.9	27-151	1.82	23	L487587-01	WG507147
4-Bromofluorobenzene				99.90	75-128				WG507147
Dibromofluoromethane				106.9	79-125				WG507147
Toluene-d8				103.6	87-114				WG507147

Batch number /Run number / Sample number cross reference

WG507147: R1465110: L487587-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Cary, NC 27511

Quality Assurance Report
Level II

L487587

November 09, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address: Withers + Ravenel, 111 Mackenan Dr, Cary, NC

Alternate billing information: DSCA

Report to: PFarlow

Email to: PFarlow@withersravenel.com

Project Description: Exclusive Cleaners

City/State Collected: Wilson, NC

Phone:

FAX:

Client Project #: 02060496.16

ESC Key:

Collected by: PFarlow

Site/Facility ID#:

P.O.#:

Collected by (signature):

Immediately Packed on Ice N___ Y ✓

Rush? (Lab MUST Be Notified)

____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:

Email? __No__Yes

FAX? __No__Yes

Analysis/Container/Preservative: 8260

Chain of Custody Page 1 of 1

Prepared by: F167

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode: (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
MW-25D		GW		11/3/10	1115	2	L487587-01	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	11/4/10	13:25	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ SHA

Temp: 2.7°C

Bottles Received: 2U

Date: 11-5-10

Time: 1345

Condition: (lab use only) OK

CoC Seals Intact ___ Y ___ N ___ NA

pH Checked:

NCF:

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Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

Report Summary

Friday October 29, 2010

Report Number: L486018
Samples Received: 10/27/10
Client Project: 02060496.16

Description: Exclusive

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-01

Site ID :

Sample ID : MW-1D

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/25/10 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/27/10	1
Acrolein	BDL	50.	ug/l	8260B	10/27/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/27/10	1
Benzene	BDL	1.0	ug/l	8260B	10/27/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/27/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/27/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/27/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/27/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/27/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/27/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/27/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/27/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/27/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/27/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/27/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/27/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/27/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/27/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/27/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/27/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-1D

Collected By : Patrick Farfor
Collection Date : 10/25/10 10:15

ESC Sample # : L486018-01

Site ID :

Project # : 02060496.16

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/27/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/27/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/27/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/27/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/27/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Styrene	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/27/10	1
Tetrachloroethene	3.4	1.0	ug/l	8260B	10/27/10	1
Toluene	BDL	5.0	ug/l	8260B	10/27/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/27/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/27/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/27/10	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/27/10	1
Dibromofluoromethane	120.		% Rec.	8260B	10/27/10	1
4-Bromofluorobenzene	106.		% Rec.	8260B	10/27/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:24

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-02

Site ID :

Sample ID : MW-6

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/25/10 13:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/27/10	1
Acrolein	BDL	50.	ug/l	8260B	10/27/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/27/10	1
Benzene	BDL	1.0	ug/l	8260B	10/27/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/27/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/27/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/27/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/27/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/27/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/27/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/27/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/27/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/27/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/27/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/27/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/27/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/27/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
cis-1,2-Dichloroethene	1.1	1.0	ug/l	8260B	10/27/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/27/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/27/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/27/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/27/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-02

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-6

Collected By : Patrick Farfor
Collection Date : 10/25/10 13:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/27/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/27/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/27/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/27/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/27/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Styrene	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/27/10	1
Tetrachloroethene	240	10.	ug/l	8260B	10/28/10	10
Toluene	BDL	5.0	ug/l	8260B	10/27/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/27/10	1
Trichloroethene	1.8	1.0	ug/l	8260B	10/27/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/27/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/27/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/27/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/27/10	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	10/27/10	1
Dibromofluoromethane	122.		% Rec.	8260B	10/27/10	1
4-Bromofluorobenzene	104.		% Rec.	8260B	10/27/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:24

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-03

Site ID :

Sample ID : MW-7

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/25/10 13:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-7

Collected By : Patrick Farfor
Collection Date : 10/25/10 13:40

ESC Sample # : L486018-03

Site ID :

Project # : 02060496.16

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	122.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	109.		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:24

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
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October 29,2010

ESC Sample # : L486018-04

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-3

Collected By : Patrick Farfor
Collection Date : 10/25/10 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-04

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-3

Collected By : Patrick Farfor
Collection Date : 10/25/10 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	127.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	99.5		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 10/29/10 13:24 Printed: 10/29/10 13:24

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
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Cary, NC 27511

October 29,2010

ESC Sample # : L486018-05

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-2I

Collected By : Patrick Farfor
Collection Date : 10/26/10 07:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	2.3	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	2.6	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-05

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-2I

Collected By : Patrick Farfor
Collection Date : 10/26/10 07:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	6300	500	ug/l	8260B	10/28/10	500
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	3.6	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	127.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	90.0		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:24

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-06

Site ID :

Sample ID : MW-9

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/26/10 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-06

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-9

Collected By : Patrick Farfor
Collection Date : 10/26/10 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	96.1		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	101.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	113.		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-07

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-14

Collected By : Patrick Farfor
Collection Date : 10/26/10 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-07

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-14

Collected By : Patrick Farfor
Collection Date : 10/26/10 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	97.1		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	102.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	115.		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:25

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-08

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-13

Collected By : Patrick Farfor
Collection Date : 10/26/10 14:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

ESC Sample # : L486018-08

Site ID :

Project # : 02060496.16

Date Received : October 27, 2010
Description : Exclusive Cleaners

Sample ID : MW-13

Collected By : Patrick Farfor
Collection Date : 10/26/10 14:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	101.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	110.		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:25

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-09

Sample ID : MW-10

Site ID :

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/26/10 15:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/28/10	1
Acrolein	BDL	50.	ug/l	8260B	10/28/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/28/10	1
Benzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/28/10	1
Bromoform	BDL	1.0	ug/l	8260B	10/28/10	1
Bromomethane	BDL	5.0	ug/l	8260B	10/28/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
Chloroethane	BDL	5.0	ug/l	8260B	10/28/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/28/10	1
Chloroform	BDL	5.0	ug/l	8260B	10/28/10	1
Chloromethane	BDL	2.5	ug/l	8260B	10/28/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/28/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/28/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	10/28/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Patrick Farfour
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

October 29,2010

Date Received : October 27, 2010
Description : Exclusive Cleaners

ESC Sample # : L486018-09

Site ID :

Sample ID : MW-10

Project # : 02060496.16

Collected By : Patrick Farfor
Collection Date : 10/26/10 15:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/28/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/28/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/28/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/28/10	1
Naphthalene	BDL	5.0	ug/l	8260B	10/28/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Styrene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	10/28/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Toluene	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/28/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/28/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	10/28/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/28/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/28/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/28/10	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	10/28/10	1
Dibromofluoromethane	100.		% Rec.	8260B	10/28/10	1
4-Bromofluorobenzene	110.		% Rec.	8260B	10/28/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 10/29/10 13:24 Printed: 10/29/10 13:25

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L486018-01	WG505546	SAMP	1,1-Dichloroethane	R1446249	J3
	WG505546	SAMP	cis-1,2-Dichloroethene	R1446249	J3
	WG505546	SAMP	2,2-Dichloropropane	R1446249	J3
	WG505546	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R1446249	J3
L486018-02	WG505546	SAMP	1,1-Dichloroethane	R1446249	J3
	WG505546	SAMP	cis-1,2-Dichloroethene	R1446249	J3
	WG505546	SAMP	2,2-Dichloropropane	R1446249	J3
	WG505546	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R1446249	J3
L486018-03	WG505546	SAMP	1,1-Dichloroethane	R1446249	J3
	WG505546	SAMP	cis-1,2-Dichloroethene	R1446249	J3
	WG505546	SAMP	2,2-Dichloropropane	R1446249	J3
	WG505546	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R1446249	J3
L486018-04	WG505546	SAMP	1,1-Dichloroethane	R1446249	J3
	WG505546	SAMP	cis-1,2-Dichloroethene	R1446249	J3
	WG505546	SAMP	2,2-Dichloropropane	R1446249	J3
	WG505546	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R1446249	J3
	WG505546	SAMP	Dibromofluoromethane	R1446249	J1
L486018-05	WG505546	SAMP	1,1-Dichloroethane	R1446249	J3
	WG505546	SAMP	cis-1,2-Dichloroethene	R1446249	J3
	WG505546	SAMP	2,2-Dichloropropane	R1446249	J3
	WG505546	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R1446249	J3
	WG505546	SAMP	Dibromofluoromethane	R1446249	J1
L486018-06	WG505691	SAMP	2-Chloroethyl vinyl ether	R1447589	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/29/10 at 13:25:05

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L486018-01 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-02 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-03 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-04 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-05 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-06 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-07 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-08 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

Sample: L486018-09 Account: WITHRAVD Received: 10/27/10 09:00 Due Date: 11/03/10 00:00 RPT Date: 10/29/10 13:24

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Withers & Ravenel Eng. - DSCA
Patrick Farfour
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L486018

October 29, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1,1-Trichloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1,2-Trichloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1-Dichloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,1-Dichloroethene	< .001	mg/l			WG505546	10/27/10 17:33
1,1-Dichloropropene	< .001	mg/l			WG505546	10/27/10 17:33
1,2,3-Trichlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,2,3-Trichloropropane	< .001	mg/l			WG505546	10/27/10 17:33
1,2,3-Trimethylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,2,4-Trichlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,2,4-Trimethylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG505546	10/27/10 17:33
1,2-Dibromoethane	< .001	mg/l			WG505546	10/27/10 17:33
1,2-Dichlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,2-Dichloroethane	< .001	mg/l			WG505546	10/27/10 17:33
1,2-Dichloropropane	< .001	mg/l			WG505546	10/27/10 17:33
1,3,5-Trimethylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,3-Dichlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
1,3-Dichloropropane	< .001	mg/l			WG505546	10/27/10 17:33
1,4-Dichlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
2,2-Dichloropropane	< .001	mg/l			WG505546	10/27/10 17:33
2-Butanone (MEK)	< .01	mg/l			WG505546	10/27/10 17:33
2-Chloroethyl vinyl ether	< .05	mg/l			WG505546	10/27/10 17:33
2-Chlorotoluene	< .001	mg/l			WG505546	10/27/10 17:33
4-Chlorotoluene	< .001	mg/l			WG505546	10/27/10 17:33
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG505546	10/27/10 17:33
Acetone	< .05	mg/l			WG505546	10/27/10 17:33
Acrolein	< .05	mg/l			WG505546	10/27/10 17:33
Acrylonitrile	< .01	mg/l			WG505546	10/27/10 17:33
Benzene	< .001	mg/l			WG505546	10/27/10 17:33
Bromobenzene	< .001	mg/l			WG505546	10/27/10 17:33
Bromodichloromethane	< .001	mg/l			WG505546	10/27/10 17:33
Bromoform	< .001	mg/l			WG505546	10/27/10 17:33
Bromomethane	< .005	mg/l			WG505546	10/27/10 17:33
Carbon tetrachloride	< .001	mg/l			WG505546	10/27/10 17:33
Chlorobenzene	< .001	mg/l			WG505546	10/27/10 17:33
Chlorodibromomethane	< .001	mg/l			WG505546	10/27/10 17:33
Chloroethane	< .001	mg/l			WG505546	10/27/10 17:33
Chloroform	< .005	mg/l			WG505546	10/27/10 17:33
Chloromethane	< .001	mg/l			WG505546	10/27/10 17:33
cis-1,2-Dichloroethene	< .001	mg/l			WG505546	10/27/10 17:33
cis-1,3-Dichloropropene	< .001	mg/l			WG505546	10/27/10 17:33
Di-isopropyl ether	< .001	mg/l			WG505546	10/27/10 17:33
Dibromomethane	< .001	mg/l			WG505546	10/27/10 17:33
Dichlorodifluoromethane	< .005	mg/l			WG505546	10/27/10 17:33
Ethylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
Hexachloro-1,3-butadiene	< .001	mg/l			WG505546	10/27/10 17:33
Isopropylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
Methyl tert-butyl ether	< .001	mg/l			WG505546	10/27/10 17:33
Methylene Chloride	< .005	mg/l			WG505546	10/27/10 17:33
n-Butylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
n-Propylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
Naphthalene	< .005	mg/l			WG505546	10/27/10 17:33
p-Isopropyltoluene	< .001	mg/l			WG505546	10/27/10 17:33
sec-Butylbenzene	< .001	mg/l			WG505546	10/27/10 17:33
Styrene	< .001	mg/l			WG505546	10/27/10 17:33
tert-Butylbenzene	< .001	mg/l			WG505546	10/27/10 17:33

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Cary, NC 27511

Quality Assurance Report
Level II

L486018

October 29, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG505546	10/27/10 17:33
Toluene	< .005	mg/l			WG505546	10/27/10 17:33
trans-1,2-Dichloroethene	< .001	mg/l			WG505546	10/27/10 17:33
trans-1,3-Dichloropropene	< .001	mg/l			WG505546	10/27/10 17:33
Trichloroethene	< .001	mg/l			WG505546	10/27/10 17:33
Trichlorofluoromethane	< .005	mg/l			WG505546	10/27/10 17:33
Vinyl chloride	< .001	mg/l			WG505546	10/27/10 17:33
Xylenes, Total	< .003	mg/l			WG505546	10/27/10 17:33
4-Bromofluorobenzene		% Rec.	97.60	75-128	WG505546	10/27/10 17:33
Dibromofluoromethane		% Rec.	112.1	79-125	WG505546	10/27/10 17:33
Toluene-d8		% Rec.	98.74	87-114	WG505546	10/27/10 17:33
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1,1-Trichloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1,2-Trichloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1-Dichloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,1-Dichloroethene	< .001	mg/l			WG505691	10/28/10 12:49
1,1-Dichloropropene	< .001	mg/l			WG505691	10/28/10 12:49
1,2,3-Trichlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,2,3-Trichloropropane	< .001	mg/l			WG505691	10/28/10 12:49
1,2,3-Trimethylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,2,4-Trichlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,2,4-Trimethylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG505691	10/28/10 12:49
1,2-Dibromoethane	< .001	mg/l			WG505691	10/28/10 12:49
1,2-Dichlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,2-Dichloroethane	< .001	mg/l			WG505691	10/28/10 12:49
1,2-Dichloropropane	< .001	mg/l			WG505691	10/28/10 12:49
1,3,5-Trimethylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,3-Dichlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
1,3-Dichloropropane	< .001	mg/l			WG505691	10/28/10 12:49
1,4-Dichlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
2,2-Dichloropropane	< .001	mg/l			WG505691	10/28/10 12:49
2-Butanone (MEK)	< .01	mg/l			WG505691	10/28/10 12:49
2-Chloroethyl vinyl ether	< .05	mg/l			WG505691	10/28/10 12:49
2-Chlorotoluene	< .001	mg/l			WG505691	10/28/10 12:49
4-Chlorotoluene	< .001	mg/l			WG505691	10/28/10 12:49
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG505691	10/28/10 12:49
Acetone	< .05	mg/l			WG505691	10/28/10 12:49
Acrolein	< .05	mg/l			WG505691	10/28/10 12:49
Acrylonitrile	< .01	mg/l			WG505691	10/28/10 12:49
Benzene	< .001	mg/l			WG505691	10/28/10 12:49
Bromobenzene	< .001	mg/l			WG505691	10/28/10 12:49
Bromodichloromethane	< .001	mg/l			WG505691	10/28/10 12:49
Bromoform	< .001	mg/l			WG505691	10/28/10 12:49
Bromomethane	< .005	mg/l			WG505691	10/28/10 12:49
Carbon tetrachloride	< .001	mg/l			WG505691	10/28/10 12:49
Chlorobenzene	< .001	mg/l			WG505691	10/28/10 12:49
Chlorodibromomethane	< .001	mg/l			WG505691	10/28/10 12:49
Chloroethane	< .001	mg/l			WG505691	10/28/10 12:49
Chloroform	< .005	mg/l			WG505691	10/28/10 12:49
Chloromethane	< .001	mg/l			WG505691	10/28/10 12:49
cis-1,2-Dichloroethene	< .001	mg/l			WG505691	10/28/10 12:49
cis-1,3-Dichloropropene	< .001	mg/l			WG505691	10/28/10 12:49
Di-isopropyl ether	< .001	mg/l			WG505691	10/28/10 12:49
Dibromomethane	< .001	mg/l			WG505691	10/28/10 12:49

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Quality Assurance Report
Level II

L486018

October 29, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Dichlorodifluoromethane	< .005	mg/l			WG505691	10/28/10 12:49
Ethylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
Hexachloro-1,3-butadiene	< .001	mg/l			WG505691	10/28/10 12:49
Isopropylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
Methyl tert-butyl ether	< .001	mg/l			WG505691	10/28/10 12:49
Methylene Chloride	< .005	mg/l			WG505691	10/28/10 12:49
n-Butylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
n-Propylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
Naphthalene	< .005	mg/l			WG505691	10/28/10 12:49
p-Isopropyltoluene	< .001	mg/l			WG505691	10/28/10 12:49
sec-Butylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
Styrene	< .001	mg/l			WG505691	10/28/10 12:49
tert-Butylbenzene	< .001	mg/l			WG505691	10/28/10 12:49
Tetrachloroethene	< .001	mg/l			WG505691	10/28/10 12:49
Toluene	< .005	mg/l			WG505691	10/28/10 12:49
trans-1,2-Dichloroethene	< .001	mg/l			WG505691	10/28/10 12:49
trans-1,3-Dichloropropene	< .001	mg/l			WG505691	10/28/10 12:49
Trichloroethene	< .001	mg/l			WG505691	10/28/10 12:49
Trichlorofluoromethane	< .005	mg/l			WG505691	10/28/10 12:49
Vinyl chloride	< .001	mg/l			WG505691	10/28/10 12:49
Xylenes, Total	< .003	mg/l			WG505691	10/28/10 12:49
4-Bromofluorobenzene		% Rec.	113.2	75-128	WG505691	10/28/10 12:49
Dibromofluoromethane		% Rec.	104.8	79-125	WG505691	10/28/10 12:49
Toluene-d8		% Rec.	97.57	87-114	WG505691	10/28/10 12:49

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0271	108.	75-134	WG505546
1,1,1-Trichloroethane	mg/l	.025	0.0289	116.	67-137	WG505546
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0260	104.	72-128	WG505546
1,1,2-Trichloroethane	mg/l	.025	0.0225	89.9	79-123	WG505546
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	025	0.0285	114	51-149	WG505546
1,1-Dichloroethane	mg/l	.025	0.0292	117.	67-133	WG505546
1,1-Dichloroethene	mg/l	.025	0.0284	113.	60-130	WG505546
1,1-Dichloropropene	mg/l	.025	0.0272	109.	68-132	WG505546
1,2,3-Trichlorobenzene	mg/l	.025	0.0248	99.3	63-138	WG505546
1,2,3-Trichloropropane	mg/l	.025	0.0258	103.	68-130	WG505546
1,2,3-Trimethylbenzene	mg/l	.025	0.0263	105.	70-127	WG505546
1,2,4-Trichlorobenzene	mg/l	.025	0.0250	100.	65-137	WG505546
1,2,4-Trimethylbenzene	mg/l	.025	0.0309	123.	72-135	WG505546
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0226	90.4	55-134	WG505546
1,2-Dibromoethane	mg/l	.025	0.0252	101.	75-126	WG505546
1,2-Dichlorobenzene	mg/l	.025	0.0247	99.0	75-122	WG505546
1,2-Dichloroethane	mg/l	.025	0.0280	112.	63-137	WG505546
1,2-Dichloropropane	mg/l	.025	0.0230	92.1	74-122	WG505546
1,3,5-Trimethylbenzene	mg/l	.025	0.0293	117.	73-134	WG505546
1,3-Dichlorobenzene	mg/l	.025	0.0278	111.	73-131	WG505546
1,3-Dichloropropane	mg/l	.025	0.0223	89.4	77-119	WG505546
1,4-Dichlorobenzene	mg/l	.025	0.0239	95.8	70-121	WG505546
2,2-Dichloropropane	mg/l	.025	0.0263	105.	46-151	WG505546
2-Butanone (MEK)	mg/l	.125	0.109	86.9	53-132	WG505546
2-Chloroethyl vinyl ether	mg/l	.125	0.137	110.	0-171	WG505546
2-Chlorotoluene	mg/l	.025	0.0286	114.	74-128	WG505546
4-Chlorotoluene	mg/l	.025	0.0298	119.	74-130	WG505546
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.115	92.1	60-142	WG505546
Acetone	mg/l	.125	0.134	107.	48-134	WG505546
Acrolein	mg/l	.125	0.112	89.9	6-182	WG505546
Acrylonitrile	mg/l	.125	0.126	101.	60-140	WG505546

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.025	0.0253	101.	67-126	WG505546
Bromobenzene	mg/l	.025	0.0280	112.	76-123	WG505546
Bromodichloromethane	mg/l	.025	0.0263	105.	68-133	WG505546
Bromoform	mg/l	.025	0.0270	108.	60-139	WG505546
Bromomethane	mg/l	.025	0.0343	137.	45-175	WG505546
Carbon tetrachloride	mg/l	.025	0.0279	112.	64-141	WG505546
Chlorobenzene	mg/l	.025	0.0256	103.	77-125	WG505546
Chlorodibromomethane	mg/l	.025	0.0260	104.	73-138	WG505546
Chloroethane	mg/l	.025	0.0320	128.	49-155	WG505546
Chloroform	mg/l	.025	0.0297	119.	66-126	WG505546
Chloromethane	mg/l	.025	0.0328	131.	45-152	WG505546
cis-1,2-Dichloroethene	mg/l	.025	0.0291	116.	72-128	WG505546
cis-1,3-Dichloropropene	mg/l	.025	0.0250	100.	73-131	WG505546
Di-isopropyl ether	mg/l	.025	0.0257	103.	63-139	WG505546
Dibromomethane	mg/l	.025	0.0239	95.7	73-125	WG505546
Dichlorodifluoromethane	mg/l	.025	0.0401	160.	39-189	WG505546
Ethylbenzene	mg/l	.025	0.0258	103.	76-129	WG505546
Hexachloro-1,3-butadiene	mg/l	.025	0.0256	103.	67-135	WG505546
Isopropylbenzene	mg/l	.025	0.0283	113.	73-132	WG505546
Methyl tert-butyl ether	mg/l	.025	0.0281	112.	51-142	WG505546
Methylene Chloride	mg/l	.025	0.0279	112.	64-125	WG505546
n-Butylbenzene	mg/l	.025	0.0259	104.	63-142	WG505546
n-Propylbenzene	mg/l	.025	0.0279	112.	71-132	WG505546
Naphthalene	mg/l	.025	0.0250	100.	56-145	WG505546
p-Isopropyltoluene	mg/l	.025	0.0300	120.	68-138	WG505546
sec-Butylbenzene	mg/l	.025	0.0291	116.	70-135	WG505546
Styrene	mg/l	.025	0.0290	116.	78-130	WG505546
tert-Butylbenzene	mg/l	.025	0.0263	105.	72-134	WG505546
Tetrachloroethene	mg/l	.025	0.0231	92.5	67-135	WG505546
Toluene	mg/l	.025	0.0226	90.5	72-122	WG505546
trans-1,2-Dichloroethene	mg/l	.025	0.0275	110.	67-129	WG505546
trans-1,3-Dichloropropene	mg/l	.025	0.0241	96.3	66-137	WG505546
Trichloroethene	mg/l	.025	0.0242	96.7	74-126	WG505546
Trichlorofluoromethane	mg/l	.025	0.0315	126.	54-156	WG505546
Vinyl chloride	mg/l	.025	0.0310	124.	55-153	WG505546
Xylenes, Total	mg/l	.075	0.0842	112.	75-128	WG505546
4-Bromofluorobenzene				113.5	75-128	WG505546
Dibromofluoromethane				120.2	79-125	WG505546
Toluene-d8				98.99	87-114	WG505546
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0246	98.6	75-134	WG505691
1,1,1-Trichloroethane	mg/l	.025	0.0260	104.	67-137	WG505691
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0243	97.1	72-128	WG505691
1,1,2-Trichloroethane	mg/l	.025	0.0231	92.3	79-123	WG505691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0242	97.0	51-149	WG505691
1,1-Dichloroethane	mg/l	.025	0.0222	88.6	67-133	WG505691
1,1-Dichloroethene	mg/l	.025	0.0202	80.8	60-130	WG505691
1,1-Dichloropropene	mg/l	.025	0.0218	87.3	68-132	WG505691
1,2,3-Trichlorobenzene	mg/l	.025	0.0234	93.4	63-138	WG505691
1,2,3-Trichloropropane	mg/l	.025	0.0249	99.6	68-130	WG505691
1,2,3-Trimethylbenzene	mg/l	.025	0.0228	91.1	70-127	WG505691
1,2,4-Trichlorobenzene	mg/l	.025	0.0237	94.7	65-137	WG505691
1,2,4-Trimethylbenzene	mg/l	.025	0.0252	101.	72-135	WG505691
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0251	100.	55-134	WG505691
1,2-Dibromoethane	mg/l	.025	0.0234	93.5	75-126	WG505691
1,2-Dichlorobenzene	mg/l	.025	0.0230	92.0	75-122	WG505691
1,2-Dichloroethane	mg/l	.025	0.0218	87.0	63-137	WG505691
1,2-Dichloropropane	mg/l	.025	0.0221	88.3	74-122	WG505691

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,3,5-Trimethylbenzene	mg/l	.025	0.0251	100.	73-134	WG505691
1,3-Dichlorobenzene	mg/l	.025	0.0246	98.6	73-131	WG505691
1,3-Dichloropropane	mg/l	.025	0.0218	87.0	77-119	WG505691
1,4-Dichlorobenzene	mg/l	.025	0.0222	88.7	70-121	WG505691
2,2-Dichloropropane	mg/l	.025	0.0263	105.	46-151	WG505691
2-Butanone (MEK)	mg/l	.125	0.116	92.6	53-132	WG505691
2-Chloroethyl vinyl ether	mg/l	.125	0.0934	74.7	0-171	WG505691
2-Chlorotoluene	mg/l	.025	0.0238	95.3	74-128	WG505691
4-Chlorotoluene	mg/l	.025	0.0241	96.5	74-130	WG505691
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.109	86.9	60-142	WG505691
Acetone	mg/l	.125	0.106	84.7	48-134	WG505691
Acrolein	mg/l	.125	0.148	119.	6-182	WG505691
Acrylonitrile	mg/l	.125	0.111	89.0	60-140	WG505691
Benzene	mg/l	.025	0.0217	86.7	67-126	WG505691
Bromobenzene	mg/l	.025	0.0232	93.0	76-123	WG505691
Bromodichloromethane	mg/l	.025	0.0238	95.0	68-133	WG505691
Bromoform	mg/l	.025	0.0219	87.6	60-139	WG505691
Bromomethane	mg/l	.025	0.0178	71.3	45-175	WG505691
Carbon tetrachloride	mg/l	.025	0.0214	85.4	64-141	WG505691
Chlorobenzene	mg/l	.025	0.0221	88.3	77-125	WG505691
Chlorodibromomethane	mg/l	.025	0.0215	86.2	73-138	WG505691
Chloroethane	mg/l	.025	0.0211	84.3	49-155	WG505691
Chloroform	mg/l	.025	0.0230	92.0	66-126	WG505691
Chloromethane	mg/l	.025	0.0253	101.	45-152	WG505691
cis-1,2-Dichloroethene	mg/l	.025	0.0225	89.9	72-128	WG505691
cis-1,3-Dichloropropene	mg/l	.025	0.0230	92.2	73-131	WG505691
Di-isopropyl ether	mg/l	.025	0.0222	88.7	63-139	WG505691
Dibromomethane	mg/l	.025	0.0229	91.6	73-125	WG505691
Dichlorodifluoromethane	mg/l	.025	0.0277	111.	39-189	WG505691
Ethylbenzene	mg/l	.025	0.0225	90.2	76-129	WG505691
Hexachloro-1,3-butadiene	mg/l	.025	0.0210	83.9	67-135	WG505691
Isopropylbenzene	mg/l	.025	0.0243	97.1	73-132	WG505691
Methyl tert-butyl ether	mg/l	.025	0.0233	93.2	51-142	WG505691
Methylene Chloride	mg/l	.025	0.0205	82.0	64-125	WG505691
n-Butylbenzene	mg/l	.025	0.0232	92.9	63-142	WG505691
n-Propylbenzene	mg/l	.025	0.0240	96.0	71-132	WG505691
Naphthalene	mg/l	.025	0.0247	98.6	56-145	WG505691
p-Isopropyltoluene	mg/l	.025	0.0252	101.	68-138	WG505691
sec-Butylbenzene	mg/l	.025	0.0251	100.	70-135	WG505691
Styrene	mg/l	.025	0.0204	81.6	78-130	WG505691
tert-Butylbenzene	mg/l	.025	0.0257	103.	72-134	WG505691
Tetrachloroethene	mg/l	.025	0.0229	91.5	67-135	WG505691
Toluene	mg/l	.025	0.0201	80.5	72-122	WG505691
trans-1,2-Dichloroethene	mg/l	.025	0.0220	88.0	67-129	WG505691
trans-1,3-Dichloropropene	mg/l	.025	0.0223	89.1	66-137	WG505691
Trichloroethene	mg/l	.025	0.0233	93.3	74-126	WG505691
Trichlorofluoromethane	mg/l	.025	0.0222	88.8	54-156	WG505691
Vinyl chloride	mg/l	.025	0.0210	84.1	55-153	WG505691
Xylenes, Total	mg/l	.075	0.0694	92.6	75-128	WG505691
4-Bromofluorobenzene				106.5	75-128	WG505691
Dibromofluoromethane				101.7	79-125	WG505691
Toluene-d8				95.48	87-114	WG505691

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0244	0.0271	98.0	75-134	10.5	20	WG505546
1,1,1-Trichloroethane	mg/l	0.0249	0.0289	100.	67-137	15.0	20	WG505546
1,1,2,2-Tetrachloroethane	mg/l	0.0246	0.0260	98.0	72-128	5.78	20	WG505546

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111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1,2-Trichloroethane	mg/l	0.0226	0.0225	90.0	79-123	0.820	20	WG505546
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0228	0.0285	91.0	51-149	22.3*	20	WG505546
1,1-Dichloroethane	mg/l	0.0236	0.0292	94.0	67-133	21.2*	20	WG505546
1,1-Dichloroethene	mg/l	0.0237	0.0284	95.0	60-130	18.1	20	WG505546
1,1-Dichloropropene	mg/l	0.0239	0.0272	96.0	68-132	12.7	20	WG505546
1,2,3-Trichlorobenzene	mg/l	0.0245	0.0248	98.0	63-138	1.21	20	WG505546
1,2,3-Trichloropropane	mg/l	0.0255	0.0258	102.	68-130	1.45	20	WG505546
1,2,3-Trimethylbenzene	mg/l	0.0248	0.0263	99.0	70-127	5.88	20	WG505546
1,2,4-Trichlorobenzene	mg/l	0.0244	0.0250	98.0	65-137	2.61	20	WG505546
1,2,4-Trimethylbenzene	mg/l	0.0286	0.0309	114.	72-135	7.58	20	WG505546
1,2-Dibromo-3-Chloropropane	mg/l	0.0231	0.0226	92.0	55-134	2.04	20	WG505546
1,2-Dibromoethane	mg/l	0.0239	0.0252	96.0	75-126	5.36	20	WG505546
1,2-Dichlorobenzene	mg/l	0.0239	0.0247	96.0	75-122	3.45	20	WG505546
1,2-Dichloroethane	mg/l	0.0255	0.0280	102.	63-137	9.29	20	WG505546
1,2-Dichloropropane	mg/l	0.0237	0.0230	95.0	74-122	3.02	20	WG505546
1,3,5-Trimethylbenzene	mg/l	0.0275	0.0293	110.	73-134	6.30	20	WG505546
1,3-Dichlorobenzene	mg/l	0.0271	0.0278	108.	73-131	2.67	20	WG505546
1,3-Dichloropropane	mg/l	0.0235	0.0223	94.0	77-119	5.00	20	WG505546
1,4-Dichlorobenzene	mg/l	0.0235	0.0239	94.0	70-121	1.87	20	WG505546
2,2-Dichloropropane	mg/l	0.0211	0.0263	84.0	46-151	21.7*	20	WG505546
2-Butanone (MEK)	mg/l	0.104	0.109	84.0	53-132	4.01	20	WG505546
2-Chloroethyl vinyl ether	mg/l	0.136	0.137	109.	0-171	1.08	27	WG505546
2-Chlorotoluene	mg/l	0.0273	0.0286	109.	74-128	4.46	20	WG505546
4-Chlorotoluene	mg/l	0.0280	0.0298	112.	74-130	6.27	20	WG505546
4-Methyl-2-pentanone (MIBK)	mg/l	0.124	0.115	99.0	60-142	7.53	20	WG505546
Acetone	mg/l	0.119	0.134	95.0	48-134	11.4	20	WG505546
Acrolein	mg/l	0.106	0.112	84.0	6-182	6.15	39	WG505546
Acrylonitrile	mg/l	0.116	0.126	93.0	60-140	8.28	20	WG505546
Benzene	mg/l	0.0233	0.0253	93.0	67-126	8.10	20	WG505546
Bromobenzene	mg/l	0.0256	0.0280	102.	76-123	8.98	20	WG505546
Bromodichloromethane	mg/l	0.0262	0.0263	105.	68-133	0.240	20	WG505546
Bromoform	mg/l	0.0252	0.0270	101.	60-139	6.70	20	WG505546
Bromomethane	mg/l	0.0306	0.0343	122.	45-175	11.3	20	WG505546
Carbon tetrachloride	mg/l	0.0244	0.0279	98.0	64-141	13.4	20	WG505546
Chlorobenzene	mg/l	0.0244	0.0256	98.0	77-125	4.97	20	WG505546
Chlorodibromomethane	mg/l	0.0258	0.0260	103.	73-138	0.610	20	WG505546
Chloroethane	mg/l	0.0269	0.0320	108.	49-155	17.3	20	WG505546
Chloroform	mg/l	0.0244	0.0297	98.0	66-126	19.6	20	WG505546
Chloromethane	mg/l	0.0280	0.0328	112.	45-152	15.8	20	WG505546
cis-1,2-Dichloroethene	mg/l	0.0237	0.0291	95.0	72-128	20.5*	20	WG505546
cis-1,3-Dichloropropene	mg/l	0.0252	0.0250	101.	73-131	0.770	20	WG505546
Di-isopropyl ether	mg/l	0.0234	0.0257	94.0	63-139	9.32	20	WG505546
Dibromomethane	mg/l	0.0235	0.0239	94.0	73-125	1.92	20	WG505546
Dichlorodifluoromethane	mg/l	0.0339	0.0401	136.	39-189	16.7	24	WG505546
Ethylbenzene	mg/l	0.0241	0.0258	96.0	76-129	6.69	20	WG505546
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0256	97.0	67-135	5.06	20	WG505546
Isopropylbenzene	mg/l	0.0271	0.0283	108.	73-132	4.19	20	WG505546
Methyl tert-butyl ether	mg/l	0.0250	0.0281	100.	51-142	11.8	20	WG505546
Methylene Chloride	mg/l	0.0250	0.0279	100.	64-125	11.3	20	WG505546
n-Butylbenzene	mg/l	0.0255	0.0259	102.	63-142	1.57	20	WG505546
n-Propylbenzene	mg/l	0.0259	0.0279	104.	71-132	7.21	20	WG505546
Naphthalene	mg/l	0.0246	0.0250	98.0	56-145	1.55	20	WG505546
p-Isopropyltoluene	mg/l	0.0276	0.0300	110.	68-138	8.29	20	WG505546
sec-Butylbenzene	mg/l	0.0277	0.0291	111.	70-135	4.62	20	WG505546
Styrene	mg/l	0.0271	0.0290	108.	78-130	6.65	20	WG505546
tert-Butylbenzene	mg/l	0.0270	0.0263	108.	72-134	2.68	20	WG505546
Tetrachloroethene	mg/l	0.0226	0.0231	90.0	67-135	2.32	20	WG505546
Toluene	mg/l	0.0236	0.0226	94.0	72-122	4.12	20	WG505546
trans-1,2-Dichloroethene	mg/l	0.0231	0.0275	92.0	67-129	17.4	20	WG505546

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
trans-1,3-Dichloropropene	mg/l	0.0251	0.0241	100.	66-137	4.23	20	WG505546
Trichloroethene	mg/l	0.0236	0.0242	94.0	74-126	2.48	20	WG505546
Trichlorofluoromethane	mg/l	0.0271	0.0315	108.	54-156	14.8	20	WG505546
Vinyl chloride	mg/l	0.0255	0.0310	102.	55-153	19.5	20	WG505546
Xylenes, Total	mg/l	0.0808	0.0842	108.	75-128	4.06	20	WG505546
4-Bromofluorobenzene				108.9	75-128			WG505546
Dibromofluoromethane				101.4	79-125			WG505546
Toluene-d8				101.0	87-114			WG505546
1,1,1,2-Tetrachloroethane	mg/l	0.0256	0.0246	102.	75-134	3.83	20	WG505691
1,1,1-Trichloroethane	mg/l	0.0268	0.0260	107.	67-137	3.07	20	WG505691
1,1,2,2-Tetrachloroethane	mg/l	0.0256	0.0243	102.	72-128	5.55	20	WG505691
1,1,2-Trichloroethane	mg/l	0.0239	0.0231	95.0	79-123	3.32	20	WG505691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0250	0.0242	100.	51-149	2.86	20	WG505691
1,1-Dichloroethane	mg/l	0.0228	0.0222	91.0	67-133	2.77	20	WG505691
1,1-Dichloroethene	mg/l	0.0204	0.0202	82.0	60-130	1.18	20	WG505691
1,1-Dichloropropene	mg/l	0.0222	0.0218	89.0	68-132	1.47	20	WG505691
1,2,3-Trichlorobenzene	mg/l	0.0238	0.0234	95.0	63-138	2.04	20	WG505691
1,2,3-Trichloropropane	mg/l	0.0255	0.0249	102.	68-130	2.23	20	WG505691
1,2,3-Trimethylbenzene	mg/l	0.0233	0.0228	93.0	70-127	2.43	20	WG505691
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0237	97.0	65-137	2.37	20	WG505691
1,2,4-Trimethylbenzene	mg/l	0.0261	0.0252	104.	72-135	3.31	20	WG505691
1,2-Dibromo-3-Chloropropane	mg/l	0.0254	0.0251	101.	55-134	1.01	20	WG505691
1,2-Dibromoethane	mg/l	0.0250	0.0234	100.	75-126	6.61	20	WG505691
1,2-Dichlorobenzene	mg/l	0.0234	0.0230	94.0	75-122	1.94	20	WG505691
1,2-Dichloroethane	mg/l	0.0227	0.0218	91.0	63-137	4.25	20	WG505691
1,2-Dichloropropane	mg/l	0.0225	0.0221	90.0	74-122	2.09	20	WG505691
1,3,5-Trimethylbenzene	mg/l	0.0259	0.0251	104.	73-134	3.15	20	WG505691
1,3-Dichlorobenzene	mg/l	0.0255	0.0246	102.	73-131	3.28	20	WG505691
1,3-Dichloropropane	mg/l	0.0225	0.0218	90.0	77-119	3.52	20	WG505691
1,4-Dichlorobenzene	mg/l	0.0226	0.0222	90.0	70-121	1.70	20	WG505691
2,2-Dichloropropane	mg/l	0.0287	0.0263	115.	46-151	9.02	20	WG505691
2-Butanone (MEK)	mg/l	0.119	0.116	95.0	53-132	2.86	20	WG505691
2-Chloroethyl vinyl ether	mg/l	0.0983	0.0934	79.0	0-171	5.15	27	WG505691
2-Chlorotoluene	mg/l	0.0248	0.0238	99.0	74-128	4.00	20	WG505691
4-Chlorotoluene	mg/l	0.0249	0.0241	100.	74-130	3.23	20	WG505691
4-Methyl-2-pentanone (MIBK)	mg/l	0.114	0.109	91.0	60-142	5.12	20	WG505691
Acetone	mg/l	0.111	0.106	88.0	48-134	4.40	20	WG505691
Acrolein	mg/l	0.155	0.148	124.	6-182	4.66	39	WG505691
Acrylonitrile	mg/l	0.118	0.111	94.0	60-140	5.79	20	WG505691
Benzene	mg/l	0.0221	0.0217	88.0	67-126	2.05	20	WG505691
Bromobenzene	mg/l	0.0241	0.0232	96.0	76-123	3.79	20	WG505691
Bromodichloromethane	mg/l	0.0244	0.0238	98.0	68-133	2.82	20	WG505691
Bromoform	mg/l	0.0232	0.0219	93.0	60-139	5.72	20	WG505691
Bromomethane	mg/l	0.0198	0.0178	79.0	45-175	10.3	20	WG505691
Carbon tetrachloride	mg/l	0.0218	0.0214	87.0	64-141	1.93	20	WG505691
Chlorobenzene	mg/l	0.0229	0.0221	92.0	77-125	3.60	20	WG505691
Chlorodibromomethane	mg/l	0.0227	0.0215	91.0	73-138	5.36	20	WG505691
Chloroethane	mg/l	0.0221	0.0211	88.0	49-155	4.70	20	WG505691
Chloroform	mg/l	0.0235	0.0230	94.0	66-126	2.24	20	WG505691
Chloromethane	mg/l	0.0256	0.0253	102.	45-152	1.04	20	WG505691
cis-1,2-Dichloroethene	mg/l	0.0229	0.0225	92.0	72-128	1.83	20	WG505691
cis-1,3-Dichloropropene	mg/l	0.0235	0.0230	94.0	73-131	1.85	20	WG505691
Di-isopropyl ether	mg/l	0.0229	0.0222	92.0	63-139	3.24	20	WG505691
Dibromomethane	mg/l	0.0236	0.0229	94.0	73-125	3.07	20	WG505691
Dichlorodifluoromethane	mg/l	0.0278	0.0277	111.	39-189	0.540	24	WG505691
Ethylbenzene	mg/l	0.0234	0.0225	93.0	76-129	3.59	20	WG505691
Hexachloro-1,3-butadiene	mg/l	0.0215	0.0210	86.0	67-135	2.49	20	WG505691

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Quality Assurance Report
Level II

L486018

October 29, 2010

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Isopropylbenzene	mg/l	0.0248	0.0243	99.0	73-132	2.06	20	WG505691
Methyl tert-butyl ether	mg/l	0.0241	0.0233	96.0	51-142	3.31	20	WG505691
Methylene Chloride	mg/l	0.0211	0.0205	84.0	64-125	2.80	20	WG505691
n-Butylbenzene	mg/l	0.0236	0.0232	94.0	63-142	1.60	20	WG505691
n-Propylbenzene	mg/l	0.0247	0.0240	99.0	71-132	2.97	20	WG505691
Naphthalene	mg/l	0.0255	0.0247	102.	56-145	3.27	20	WG505691
p-Isopropyltoluene	mg/l	0.0258	0.0252	103.	68-138	2.32	20	WG505691
sec-Butylbenzene	mg/l	0.0257	0.0251	103.	70-135	2.59	20	WG505691
Styrene	mg/l	0.0211	0.0204	84.0	78-130	3.16	20	WG505691
tert-Butylbenzene	mg/l	0.0262	0.0257	105.	72-134	2.01	20	WG505691
Tetrachloroethene	mg/l	0.0231	0.0229	92.0	67-135	1.15	20	WG505691
Toluene	mg/l	0.0205	0.0201	82.0	72-122	2.02	20	WG505691
trans-1,2-Dichloroethene	mg/l	0.0224	0.0220	90.0	67-129	1.79	20	WG505691
trans-1,3-Dichloropropene	mg/l	0.0229	0.0223	92.0	66-137	2.73	20	WG505691
Trichloroethene	mg/l	0.0237	0.0233	95.0	74-126	1.64	20	WG505691
Trichlorofluoromethane	mg/l	0.0227	0.0222	91.0	54-156	2.05	20	WG505691
Vinyl chloride	mg/l	0.0217	0.0210	87.0	55-153	3.29	20	WG505691
Xylenes, Total	mg/l	0.0708	0.0694	94.0	75-128	1.99	20	WG505691
4-Bromofluorobenzene				107.7	75-128			WG505691
Dibromofluoromethane				103.7	79-125			WG505691
Toluene-d8				95.76	87-114			WG505691

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0327	0	.025	131.	45-152	L486008-02	WG505546
1,1,1-Trichloroethane	mg/l	0.0404	0	.025	162.*	31-161	L486008-02	WG505546
1,1,2,2-Tetrachloroethane	mg/l	0.0346	0	.025	138.	49-149	L486008-02	WG505546
1,1,2-Trichloroethane	mg/l	0.0284	0	.025	114.	46-145	L486008-02	WG505546
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0344	0	.025	138.	14-168	L486008-02	WG505546
1,1-Dichloroethane	mg/l	0.0357	0	.025	143.	30-159	L486008-02	WG505546
1,1-Dichloroethene	mg/l	0.0323	0	.025	129.	10-162	L486008-02	WG505546
1,1-Dichloropropene	mg/l	0.0366	0	.025	146.	14-162	L486008-02	WG505546
1,2,3-Trichlorobenzene	mg/l	0.0264	0	.025	106.	32-143	L486008-02	WG505546
1,2,3-Trichloropropane	mg/l	0.0415	0	.025	166.*	48-148	L486008-02	WG505546
1,2,3-Trimethylbenzene	mg/l	0.0318	0	.025	127.	36-141	L486008-02	WG505546
1,2,4-Trichlorobenzene	mg/l	0.0249	0	.025	99.6	27-142	L486008-02	WG505546
1,2,4-Trimethylbenzene	mg/l	0.0393	0	.025	157.*	29-153	L486008-02	WG505546
1,2-Dibromo-3-Chloropropane	mg/l	0.0348	0	.025	139.	37-148	L486008-02	WG505546
1,2-Dibromoethane	mg/l	0.0292	0	.025	117.	41-149	L486008-02	WG505546
1,2-Dichlorobenzene	mg/l	0.0282	0	.025	113.	40-139	L486008-02	WG505546
1,2-Dichloroethane	mg/l	0.0396	0	.025	158.	29-167	L486008-02	WG505546
1,2-Dichloropropane	mg/l	0.0285	0	.025	114.	39-148	L486008-02	WG505546
1,3,5-Trimethylbenzene	mg/l	0.0365	0	.025	146.	33-149	L486008-02	WG505546
1,3-Dichlorobenzene	mg/l	0.0348	0	.025	139.	32-148	L486008-02	WG505546
1,3-Dichloropropane	mg/l	0.0286	0	.025	114.	44-142	L486008-02	WG505546
1,4-Dichlorobenzene	mg/l	0.0271	0	.025	108.	32-136	L486008-02	WG505546
2,2-Dichloropropane	mg/l	0.0371	0	.025	148.	14-158	L486008-02	WG505546
2-Butanone (MEK)	mg/l	0.207	0	.125	166.*	32-151	L486008-02	WG505546
2-Chloroethyl vinyl ether	mg/l	0.0352	0	.125	28.2	0-175	L486008-02	WG505546
2-Chlorotoluene	mg/l	0.0370	0	.025	148.*	35-147	L486008-02	WG505546
4-Chlorotoluene	mg/l	0.0376	0	.025	150.*	33-147	L486008-02	WG505546
4-Methyl-2-pentanone (MIBK)	mg/l	0.192	0	.125	153.	40-160	L486008-02	WG505546
Acetone	mg/l	0.263	0	.125	210.*	25-157	L486008-02	WG505546
Acrolein	mg/l	0.280	0	.125	224.*	0-179	L486008-02	WG505546
Acrylonitrile	mg/l	0.223	0	.125	178.*	37-162	L486008-02	WG505546
Benzene	mg/l	0.0309	0	.025	124.	16-158	L486008-02	WG505546
Bromobenzene	mg/l	0.0352	0	.025	141.	37-147	L486008-02	WG505546
Bromodichloromethane	mg/l	0.0374	0	.025	150.*	45-147	L486008-02	WG505546

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromoform	mg/l	0.0346	0	.025	138.	38-152	L486008-02	WG505546
Bromomethane	mg/l	0.0429	0	.025	172.	0-191	L486008-02	WG505546
Carbon tetrachloride	mg/l	0.0400	0	.025	160.	22-168	L486008-02	WG505546
Chlorobenzene	mg/l	0.0296	0	.025	118.	33-148	L486008-02	WG505546
Chlorodibromomethane	mg/l	0.0326	0	.025	130.	48-151	L486008-02	WG505546
Chloroethane	mg/l	0.0371	0	.025	148.	4-176	L486008-02	WG505546
Chloroform	mg/l	0.0372	0	.025	149.*	37-147	L486008-02	WG505546
Chloromethane	mg/l	0.0331	0	.025	132.	10-174	L486008-02	WG505546
cis-1,2-Dichloroethene	mg/l	0.0372	0	.025	149.	29-156	L486008-02	WG505546
cis-1,3-Dichloropropene	mg/l	0.0317	0	.025	127.	35-148	L486008-02	WG505546
Di-isopropyl ether	mg/l	0.0325	0	.025	130.	39-160	L486008-02	WG505546
Dibromomethane	mg/l	0.0318	0	.025	127.	36-152	L486008-02	WG505546
Dichlorodifluoromethane	mg/l	0.0429	0	.025	172.	0-200	L486008-02	WG505546
Ethylbenzene	mg/l	0.0313	0	.025	125.	29-150	L486008-02	WG505546
Hexachloro-1,3-butadiene	mg/l	0.0291	0	.025	116.	28-144	L486008-02	WG505546
Isopropylbenzene	mg/l	0.0321	0	.025	128.	35-147	L486008-02	WG505546
Methyl tert-butyl ether	mg/l	0.0363	0	.025	145.	24-167	L486008-02	WG505546
Methylene Chloride	mg/l	0.0329	0	.025	132.	23-151	L486008-02	WG505546
n-Butylbenzene	mg/l	0.0320	0	.025	128.	22-151	L486008-02	WG505546
n-Propylbenzene	mg/l	0.0357	0	.025	143.	26-150	L486008-02	WG505546
Naphthalene	mg/l	0.0299	0	.025	120.	24-160	L486008-02	WG505546
p-Isopropyltoluene	mg/l	0.0370	0	.025	148.	28-151	L486008-02	WG505546
sec-Butylbenzene	mg/l	0.0369	0	.025	148.	32-149	L486008-02	WG505546
Styrene	mg/l	0.0432	0	.025	173.*	38-149	L486008-02	WG505546
tert-Butylbenzene	mg/l	0.0351	0	.025	140.	36-149	L486008-02	WG505546
Tetrachloroethene	mg/l	0.0301	0	.025	120.	13-157	L486008-02	WG505546
Toluene	mg/l	0.0292	0	.025	117.	22-152	L486008-02	WG505546
trans-1,2-Dichloroethene	mg/l	0.0322	0	.025	129.	11-160	L486008-02	WG505546
trans-1,3-Dichloropropene	mg/l	0.0323	0	.025	129.	33-153	L486008-02	WG505546
Trichloroethene	mg/l	0.0317	0	.025	127.	18-163	L486008-02	WG505546
Trichlorofluoromethane	mg/l	0.0463	0	.025	185.*	10-177	L486008-02	WG505546
Vinyl chloride	mg/l	0.0341	0	.025	136.	0-179	L486008-02	WG505546
Xylenes, Total	mg/l	0.0995	0.000480	.075	132.	27-151	L486008-02	WG505546
4-Bromofluorobenzene					117.5	75-128		WG505546
Dibromofluoromethane					129.8*	79-125		WG505546
Toluene-d8					98.90	87-114		WG505546
1,1,1,2-Tetrachloroethane	mg/l	0.0294	0	.025	118.	45-152	L486018-06	WG505691
1,1,1-Trichloroethane	mg/l	0.0312	0	.025	125.	31-161	L486018-06	WG505691
1,1,2,2-Tetrachloroethane	mg/l	0.0303	0	.025	121.	49-149	L486018-06	WG505691
1,1,2-Trichloroethane	mg/l	0.0274	0	.025	110.	46-145	L486018-06	WG505691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0316	0	.025	126.	14-168	L486018-06	WG505691
1,1-Dichloroethane	mg/l	0.0261	0	.025	104.	30-159	L486018-06	WG505691
1,1-Dichloroethene	mg/l	0.0250	0	.025	99.8	10-162	L486018-06	WG505691
1,1-Dichloropropene	mg/l	0.0273	0	.025	109.	14-162	L486018-06	WG505691
1,2,3-Trichlorobenzene	mg/l	0.0271	0	.025	108.	32-143	L486018-06	WG505691
1,2,3-Trichloropropane	mg/l	0.0303	0	.025	121.	48-148	L486018-06	WG505691
1,2,3-Trimethylbenzene	mg/l	0.0265	0	.025	106.	36-141	L486018-06	WG505691
1,2,4-Trichlorobenzene	mg/l	0.0282	0	.025	113.	27-142	L486018-06	WG505691
1,2,4-Trimethylbenzene	mg/l	0.0306	0	.025	122.	29-153	L486018-06	WG505691
1,2-Dibromo-3-Chloropropane	mg/l	0.0290	0	.025	116.	37-148	L486018-06	WG505691
1,2-Dibromoethane	mg/l	0.0285	0	.025	114.	41-149	L486018-06	WG505691
1,2-Dichlorobenzene	mg/l	0.0268	0	.025	107.	40-139	L486018-06	WG505691
1,2-Dichloroethane	mg/l	0.0261	0	.025	104.	29-167	L486018-06	WG505691
1,2-Dichloropropane	mg/l	0.0254	0	.025	102.	39-148	L486018-06	WG505691
1,3,5-Trimethylbenzene	mg/l	0.0306	0	.025	122.	33-149	L486018-06	WG505691
1,3-Dichlorobenzene	mg/l	0.0299	0	.025	120.	32-148	L486018-06	WG505691
1,3-Dichloropropane	mg/l	0.0259	0	.025	104.	44-142	L486018-06	WG505691

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Matrix Spike								
1,4-Dichlorobenzene	mg/l	0.0261	0	.025	104.	32-136	L486018-06	WG505691
2,2-Dichloropropane	mg/l	0.0327	0	.025	131.	14-158	L486018-06	WG505691
2-Butanone (MEK)	mg/l	0.130	0	.125	104.	32-151	L486018-06	WG505691
2-Chloroethyl vinyl ether	mg/l	0.0275	0	.125	22.0	0-175	L486018-06	WG505691
2-Chlorotoluene	mg/l	0.0290	0	.025	116.	35-147	L486018-06	WG505691
4-Chlorotoluene	mg/l	0.0295	0	.025	118.	33-147	L486018-06	WG505691
4-Methyl-2-pentanone (MIBK)	mg/l	0.129	0	.125	103.	40-160	L486018-06	WG505691
Acetone	mg/l	0.121	0	.125	96.8	25-157	L486018-06	WG505691
Acrolein	mg/l	0.184	0	.125	147.	0-179	L486018-06	WG505691
Acrylonitrile	mg/l	0.137	0	.125	109.	37-162	L486018-06	WG505691
Benzene	mg/l	0.0259	0	.025	104.	16-158	L486018-06	WG505691
Bromobenzene	mg/l	0.0279	0	.025	112.	37-147	L486018-06	WG505691
Bromodichloromethane	mg/l	0.0278	0	.025	111.	45-147	L486018-06	WG505691
Bromoform	mg/l	0.0267	0	.025	107.	38-152	L486018-06	WG505691
Bromomethane	mg/l	0.0221	0	.025	88.5	0-191	L486018-06	WG505691
Carbon tetrachloride	mg/l	0.0267	0	.025	107.	22-168	L486018-06	WG505691
Chlorobenzene	mg/l	0.0266	0	.025	106.	33-148	L486018-06	WG505691
Chlorodibromomethane	mg/l	0.0262	0	.025	105.	48-151	L486018-06	WG505691
Chloroethane	mg/l	0.0257	0	.025	103.	4-176	L486018-06	WG505691
Chloroform	mg/l	0.0269	0	.025	108.	37-147	L486018-06	WG505691
Chloromethane	mg/l	0.0290	0	.025	116.	10-174	L486018-06	WG505691
cis-1,2-Dichloroethene	mg/l	0.0265	0	.025	106.	29-156	L486018-06	WG505691
cis-1,3-Dichloropropene	mg/l	0.0268	0	.025	107.	35-148	L486018-06	WG505691
Di-isopropyl ether	mg/l	0.0257	0	.025	103.	39-160	L486018-06	WG505691
Dibromomethane	mg/l	0.0274	0	.025	110.	36-152	L486018-06	WG505691
Dichlorodifluoromethane	mg/l	0.0297	0	.025	119.	0-200	L486018-06	WG505691
Ethylbenzene	mg/l	0.0277	0	.025	111.	29-150	L486018-06	WG505691
Hexachloro-1,3-butadiene	mg/l	0.0254	0	.025	101.	28-144	L486018-06	WG505691
Isopropylbenzene	mg/l	0.0295	0	.025	118.	35-147	L486018-06	WG505691
Methyl tert-butyl ether	mg/l	0.0276	0	.025	110.	24-167	L486018-06	WG505691
Methylene Chloride	mg/l	0.0244	0	.025	97.4	23-151	L486018-06	WG505691
n-Butylbenzene	mg/l	0.0276	0	.025	110.	22-151	L486018-06	WG505691
n-Propylbenzene	mg/l	0.0296	0	.025	118.	26-150	L486018-06	WG505691
Naphthalene	mg/l	0.0276	0	.025	110.	24-160	L486018-06	WG505691
p-Isopropyltoluene	mg/l	0.0308	0	.025	123.	28-151	L486018-06	WG505691
sec-Butylbenzene	mg/l	0.0308	0	.025	123.	32-149	L486018-06	WG505691
Styrene	mg/l	0.0245	0	.025	98.2	38-149	L486018-06	WG505691
tert-Butylbenzene	mg/l	0.0309	0	.025	123.	36-149	L486018-06	WG505691
Tetrachloroethene	mg/l	0.0282	0	.025	113.	13-157	L486018-06	WG505691
Toluene	mg/l	0.0238	0	.025	95.2	22-152	L486018-06	WG505691
trans-1,2-Dichloroethene	mg/l	0.0272	0	.025	109.	11-160	L486018-06	WG505691
trans-1,3-Dichloropropene	mg/l	0.0260	0	.025	104.	33-153	L486018-06	WG505691
Trichloroethene	mg/l	0.0278	0	.025	111.	18-163	L486018-06	WG505691
Trichlorofluoromethane	mg/l	0.0281	0	.025	112.	10-177	L486018-06	WG505691
Vinyl chloride	mg/l	0.0254	0	.025	102.	0-179	L486018-06	WG505691
Xylenes, Total	mg/l	0.0840	0	.075	112.	27-151	L486018-06	WG505691
4-Bromofluorobenzene					108.6	75-128		WG505691
Dibromofluoromethane					102.6	79-125		WG505691
Toluene-d8					95.24	87-114		WG505691

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Matrix Spike Duplicate									
1,1,1,2-Tetrachloroethane	mg/l	0.0277	0.0327	111.	45-152	16.5	21	L486008-02	WG505546
1,1,1-Trichloroethane	mg/l	0.0375	0.0404	150.	31-161	7.38	23	L486008-02	WG505546
1,1,2,2-Tetrachloroethane	mg/l	0.0270	0.0346	108.	49-149	24.7*	22	L486008-02	WG505546
1,1,2-Trichloroethane	mg/l	0.0247	0.0284	98.9	46-145	14.0	20	L486008-02	WG505546
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0311	0.0344	124.	14-168	10.0	24	L486008-02	WG505546
1,1-Dichloroethane	mg/l	0.0338	0.0357	135.	30-159	5.44	21	L486008-02	WG505546

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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.0324	0.0323	129.	10-162	0.0800	23	L486008-02	WG505546
1,1-Dichloropropene	mg/l	0.0340	0.0366	136.	14-162	7.35	23	L486008-02	WG505546
1,2,3-Trichlorobenzene	mg/l	0.0220	0.0264	87.9	32-143	18.3	33	L486008-02	WG505546
1,2,3-Trichloropropane	mg/l	0.0277	0.0415	111.	48-148	40.1*	23	L486008-02	WG505546
1,2,3-Trimethylbenzene	mg/l	0.0286	0.0318	114.	36-141	10.6	25	L486008-02	WG505546
1,2,4-Trichlorobenzene	mg/l	0.0227	0.0249	90.9	27-142	9.18	30	L486008-02	WG505546
1,2,4-Trimethylbenzene	mg/l	0.0331	0.0393	132.	29-153	17.0	27	L486008-02	WG505546
1,2-Dibromo-3-Chloropropane	mg/l	0.0242	0.0348	96.7	37-148	36.1*	27	L486008-02	WG505546
1,2-Dibromoethane	mg/l	0.0245	0.0292	97.9	41-149	17.5	21	L486008-02	WG505546
1,2-Dichlorobenzene	mg/l	0.0259	0.0282	104.	40-139	8.51	23	L486008-02	WG505546
1,2-Dichloroethane	mg/l	0.0361	0.0396	144.	29-167	9.26	21	L486008-02	WG505546
1,2-Dichloropropane	mg/l	0.0280	0.0285	112.	39-148	1.81	20	L486008-02	WG505546
1,3,5-Trimethylbenzene	mg/l	0.0315	0.0365	126.	33-149	14.8	26	L486008-02	WG505546
1,3-Dichlorobenzene	mg/l	0.0285	0.0348	114.	32-148	20.1	24	L486008-02	WG505546
1,3-Dichloropropane	mg/l	0.0242	0.0286	96.6	44-142	16.8	20	L486008-02	WG505546
1,4-Dichlorobenzene	mg/l	0.0246	0.0271	98.3	32-136	9.66	23	L486008-02	WG505546
2,2-Dichloropropane	mg/l	0.0342	0.0371	137.	14-158	8.14	23	L486008-02	WG505546
2-Butanone (MEK)	mg/l	0.151	0.207	120.	32-151	31.8*	26	L486008-02	WG505546
2-Chloroethyl vinyl ether	mg/l	0.00464	0.0352	3.72	0-175	153.*	75	L486008-02	WG505546
2-Chlorotoluene	mg/l	0.0307	0.0370	123.	35-147	18.6	24	L486008-02	WG505546
4-Chlorotoluene	mg/l	0.0310	0.0376	124.	33-147	19.2	25	L486008-02	WG505546
4-Methyl-2-pentanone (MIBK)	mg/l	0.157	0.192	126.	40-160	19.7	28	L486008-02	WG505546
Acetone	mg/l	0.171	0.263	137.	25-157	42.3*	26	L486008-02	WG505546
Acrolein	mg/l	0.209	0.280	168.	0-179	28.7	39	L486008-02	WG505546
Acrylonitrile	mg/l	0.160	0.223	128.	37-162	33.3*	24	L486008-02	WG505546
Benzene	mg/l	0.0305	0.0309	122.	16-158	1.28	21	L486008-02	WG505546
Bromobenzene	mg/l	0.0284	0.0352	114.	37-147	21.5	23	L486008-02	WG505546
Bromodichloromethane	mg/l	0.0343	0.0374	137.	45-147	8.73	20	L486008-02	WG505546
Bromoform	mg/l	0.0276	0.0346	110.	38-152	22.5*	20	L486008-02	WG505546
Bromomethane	mg/l	0.0382	0.0429	153.	0-191	11.5	35	L486008-02	WG505546
Carbon tetrachloride	mg/l	0.0371	0.0400	148.	22-168	7.69	24	L486008-02	WG505546
Chlorobenzene	mg/l	0.0260	0.0296	104.	33-148	13.0	22	L486008-02	WG505546
Chlorodibromomethane	mg/l	0.0285	0.0326	114.	48-151	13.7	21	L486008-02	WG505546
Chloroethane	mg/l	0.0398	0.0371	159.	4-176	6.84	27	L486008-02	WG505546
Chloroform	mg/l	0.0339	0.0372	136.	37-147	9.30	21	L486008-02	WG505546
Chloromethane	mg/l	0.0349	0.0331	140.	10-174	5.24	28	L486008-02	WG505546
cis-1,2-Dichloroethene	mg/l	0.0323	0.0372	129.	29-156	14.0	22	L486008-02	WG505546
cis-1,3-Dichloropropene	mg/l	0.0308	0.0317	123.	35-148	2.87	21	L486008-02	WG505546
Di-isopropyl ether	mg/l	0.0311	0.0325	124.	39-160	4.60	21	L486008-02	WG505546
Dibromomethane	mg/l	0.0299	0.0318	119.	36-152	6.20	20	L486008-02	WG505546
Dichlorodifluoromethane	mg/l	0.0440	0.0429	176.	0-200	2.64	26	L486008-02	WG505546
Ethylbenzene	mg/l	0.0275	0.0313	110.	29-150	12.7	24	L486008-02	WG505546
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0291	97.0	28-144	18.1	33	L486008-02	WG505546
Isopropylbenzene	mg/l	0.0281	0.0321	112.	35-147	13.5	25	L486008-02	WG505546
Methyl tert-butyl ether	mg/l	0.0317	0.0363	127.	24-167	13.8	22	L486008-02	WG505546
Methylene Chloride	mg/l	0.0329	0.0329	132.	23-151	0.0200	21	L486008-02	WG505546
n-Butylbenzene	mg/l	0.0291	0.0320	116.	22-151	9.49	29	L486008-02	WG505546
n-Propylbenzene	mg/l	0.0299	0.0357	119.	26-150	17.7	25	L486008-02	WG505546
Naphthalene	mg/l	0.0231	0.0299	92.6	24-160	25.6	37	L486008-02	WG505546
p-Isopropyltoluene	mg/l	0.0316	0.0370	126.	28-151	15.6	27	L486008-02	WG505546
sec-Butylbenzene	mg/l	0.0320	0.0369	128.	32-149	14.3	26	L486008-02	WG505546
Styrene	mg/l	0.0359	0.0432	144.	38-149	18.4	23	L486008-02	WG505546
tert-Butylbenzene	mg/l	0.0302	0.0351	121.	36-149	14.9	26	L486008-02	WG505546
Tetrachloroethene	mg/l	0.0256	0.0301	102.	13-157	16.3	24	L486008-02	WG505546
Toluene	mg/l	0.0286	0.0292	114.	22-152	2.15	22	L486008-02	WG505546
trans-1,2-Dichloroethene	mg/l	0.0332	0.0322	133.	11-160	2.92	23	L486008-02	WG505546
trans-1,3-Dichloropropene	mg/l	0.0302	0.0323	121.	33-153	6.60	22	L486008-02	WG505546
Trichloroethene	mg/l	0.0278	0.0317	111.	18-163	13.2	21	L486008-02	WG505546
Trichlorofluoromethane	mg/l	0.0449	0.0463	179.*	10-177	3.17	24	L486008-02	WG505546

* Performance of this Analyte is outside of established criteria.
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Withers & Ravenel Eng. - DSCA
Patrick Farfour
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Vinyl chloride	mg/l	0.0375	0.0341	150.	0-179	9.29	26	L486008-02	WG505546
Xylenes, Total	mg/l	0.0878	0.0995	116.	27-151	12.5	23	L486008-02	WG505546
4-Bromofluorobenzene				109.2	75-128				WG505546
Dibromofluoromethane				128.6*	79-125				WG505546
Toluene-d8				100.8	87-114				WG505546
1,1,1,2-Tetrachloroethane	mg/l	0.0261	0.0294	104.	45-152	11.8	21	L486018-06	WG505691
1,1,1-Trichloroethane	mg/l	0.0276	0.0312	110.	31-161	12.5	23	L486018-06	WG505691
1,1,2,2-Tetrachloroethane	mg/l	0.0271	0.0303	108.	49-149	10.9	22	L486018-06	WG505691
1,1,2-Trichloroethane	mg/l	0.0247	0.0274	98.8	46-145	10.6	20	L486018-06	WG505691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0274	0.0316	110.	14-168	14.3	24	L486018-06	WG505691
1,1-Dichloroethane	mg/l	0.0234	0.0261	93.7	30-159	10.9	21	L486018-06	WG505691
1,1-Dichloroethene	mg/l	0.0227	0.0250	90.7	10-162	9.54	23	L486018-06	WG505691
1,1-Dichloropropene	mg/l	0.0240	0.0273	95.9	14-162	13.1	23	L486018-06	WG505691
1,2,3-Trichlorobenzene	mg/l	0.0253	0.0271	101.	32-143	6.90	33	L486018-06	WG505691
1,2,3-Trichloropropane	mg/l	0.0272	0.0303	109.	48-148	10.9	23	L486018-06	WG505691
1,2,3-Trimethylbenzene	mg/l	0.0241	0.0265	96.3	36-141	9.77	25	L486018-06	WG505691
1,2,4-Trichlorobenzene	mg/l	0.0258	0.0282	103.	27-142	8.55	30	L486018-06	WG505691
1,2,4-Trimethylbenzene	mg/l	0.0277	0.0306	111.	29-153	10.1	27	L486018-06	WG505691
1,2-Dibromo-3-Chloropropane	mg/l	0.0264	0.0290	106.	37-148	9.38	27	L486018-06	WG505691
1,2-Dibromoethane	mg/l	0.0261	0.0285	104.	41-149	8.76	21	L486018-06	WG505691
1,2-Dichlorobenzene	mg/l	0.0243	0.0268	97.0	40-139	10.1	23	L486018-06	WG505691
1,2-Dichloroethane	mg/l	0.0233	0.0261	93.3	29-167	11.3	21	L486018-06	WG505691
1,2-Dichloropropane	mg/l	0.0233	0.0254	93.0	39-148	8.82	20	L486018-06	WG505691
1,3,5-Trimethylbenzene	mg/l	0.0276	0.0306	110.	33-149	10.3	26	L486018-06	WG505691
1,3-Dichlorobenzene	mg/l	0.0270	0.0299	108.	32-148	10.2	24	L486018-06	WG505691
1,3-Dichloropropane	mg/l	0.0236	0.0259	94.6	44-142	9.05	20	L486018-06	WG505691
1,4-Dichlorobenzene	mg/l	0.0235	0.0261	94.0	32-136	10.4	23	L486018-06	WG505691
2,2-Dichloropropane	mg/l	0.0285	0.0327	114.	14-158	13.9	23	L486018-06	WG505691
2-Butanone (MEK)	mg/l	0.123	0.130	98.2	32-151	5.91	26	L486018-06	WG505691
2-Chloroethyl vinyl ether	mg/l	0.00440	0.0275	3.52	0-175	145.*	75	L486018-06	WG505691
2-Chlorotoluene	mg/l	0.0264	0.0290	105.	35-147	9.54	24	L486018-06	WG505691
4-Chlorotoluene	mg/l	0.0262	0.0295	105.	33-147	11.7	25	L486018-06	WG505691
4-Methyl-2-pentanone (MIBK)	mg/l	0.119	0.129	94.9	40-160	8.54	28	L486018-06	WG505691
Acetone	mg/l	0.104	0.121	83.2	25-157	15.2	26	L486018-06	WG505691
Acrolein	mg/l	0.157	0.184	126.	0-179	15.6	39	L486018-06	WG505691
Acrylonitrile	mg/l	0.121	0.137	96.5	37-162	12.5	24	L486018-06	WG505691
Benzene	mg/l	0.0233	0.0259	93.1	16-158	10.6	21	L486018-06	WG505691
Bromobenzene	mg/l	0.0253	0.0279	101.	37-147	9.61	23	L486018-06	WG505691
Bromodichloromethane	mg/l	0.0251	0.0278	100.	45-147	10.1	20	L486018-06	WG505691
Bromoform	mg/l	0.0246	0.0267	98.4	38-152	8.02	20	L486018-06	WG505691
Bromomethane	mg/l	0.0193	0.0221	77.4	0-191	13.5	35	L486018-06	WG505691
Carbon tetrachloride	mg/l	0.0231	0.0267	92.4	22-168	14.3	24	L486018-06	WG505691
Chlorobenzene	mg/l	0.0237	0.0266	94.7	33-148	11.4	22	L486018-06	WG505691
Chlorodibromomethane	mg/l	0.0238	0.0262	95.2	48-151	9.48	21	L486018-06	WG505691
Chloroethane	mg/l	0.0228	0.0257	91.1	4-176	12.0	27	L486018-06	WG505691
Chloroform	mg/l	0.0242	0.0269	96.6	37-147	10.7	21	L486018-06	WG505691
Chloromethane	mg/l	0.0263	0.0290	105.	10-174	9.62	28	L486018-06	WG505691
cis-1,2-Dichloroethene	mg/l	0.0237	0.0265	95.0	29-156	11.0	22	L486018-06	WG505691
cis-1,3-Dichloropropene	mg/l	0.0239	0.0268	95.6	35-148	11.5	21	L486018-06	WG505691
Di-isopropyl ether	mg/l	0.0230	0.0257	92.0	39-160	11.0	21	L486018-06	WG505691
Dibromomethane	mg/l	0.0248	0.0274	99.2	36-152	9.87	20	L486018-06	WG505691
Dichlorodifluoromethane	mg/l	0.0261	0.0297	104.	0-200	12.9	26	L486018-06	WG505691
Ethylbenzene	mg/l	0.0247	0.0277	98.8	29-150	11.5	24	L486018-06	WG505691
Hexachloro-1,3-butadiene	mg/l	0.0228	0.0254	91.4	28-144	10.4	33	L486018-06	WG505691
Isopropylbenzene	mg/l	0.0263	0.0295	105.	35-147	11.3	25	L486018-06	WG505691
Methyl tert-butyl ether	mg/l	0.0243	0.0276	97.4	24-167	12.5	22	L486018-06	WG505691
Methylene Chloride	mg/l	0.0218	0.0244	87.0	23-151	11.3	21	L486018-06	WG505691

* Performance of this Analyte is outside of established criteria.
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Quality Assurance Report
Level II

L486018

October 29, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Butylbenzene	mg/l	0.0251	0.0276	100.	22-151	9.32	29	L486018-06	WG505691
n-Propylbenzene	mg/l	0.0268	0.0296	107.	26-150	10.1	25	L486018-06	WG505691
Naphthalene	mg/l	0.0260	0.0276	104.	24-160	6.22	37	L486018-06	WG505691
p-Isopropyltoluene	mg/l	0.0277	0.0308	111.	28-151	10.6	27	L486018-06	WG505691
sec-Butylbenzene	mg/l	0.0278	0.0308	111.	32-149	10.4	26	L486018-06	WG505691
Styrene	mg/l	0.0220	0.0245	88.2	38-149	10.7	23	L486018-06	WG505691
tert-Butylbenzene	mg/l	0.0276	0.0309	110.	36-149	11.0	26	L486018-06	WG505691
Tetrachloroethene	mg/l	0.0255	0.0282	102.	13-157	10.1	24	L486018-06	WG505691
Toluene	mg/l	0.0213	0.0238	85.4	22-152	10.8	22	L486018-06	WG505691
trans-1,2-Dichloroethene	mg/l	0.0241	0.0272	96.3	11-160	12.2	23	L486018-06	WG505691
trans-1,3-Dichloropropene	mg/l	0.0233	0.0260	93.1	33-153	11.2	22	L486018-06	WG505691
Trichloroethene	mg/l	0.0250	0.0278	100.	18-163	10.5	21	L486018-06	WG505691
Trichlorofluoromethane	mg/l	0.0248	0.0281	99.1	10-177	12.4	24	L486018-06	WG505691
Vinyl chloride	mg/l	0.0225	0.0254	89.9	0-179	12.2	26	L486018-06	WG505691
Xylenes, Total	mg/l	0.0755	0.0840	101.	27-151	10.7	23	L486018-06	WG505691
4-Bromofluorobenzene				110.3	75-128				WG505691
Dibromofluoromethane				102.4	79-125				WG505691
Toluene-d8				95.65	87-114				WG505691

Batch number /Run number / Sample number cross reference

WG505546: R1446249: L486018-01 02 03 04 05
WG505691: R1447589: L486018-02 05 06 07 08 09

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Cary, NC 27511

Quality Assurance Report
Level II

L486018

October 29, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Chain of Custody

Page 1 of 1

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
(Circle One)

WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: PFARber

Email to: PFARber @withersravenel.com

Project Description: Exclusive Clearance

City/State Collected: Wilson, NC

Phone: 919-469-3340
FAX: 919-467-6008

Client Project #: 02060496.16

ESC Key:

Collected by: PFARber

Site/Facility ID#:

P.O.#:

Collected by (signature):

Packed on Ice N Y /

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:

Email? __No__Yes

FAX? __No__Yes

Analysis/Container/Preservative

8260

Prepared by: A038

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
MW-D		GW		10/25/10	1015	2 X		L486018-01
MW-6		GW		10/25/10	1305	2 X		-02
MW-7		GW		10/25/10	1340	2 X		-03
MW-3		GW		10/25/10	1415	2 X		-04
MW-2I		GW		10/26/10	745	2 X		-05
MW-9		GW		10/26/10	900	2 X		-06
MW-14		GW		10/26/10	1410	2 X		-07
MW-13		GW		10/26/10	1445	2 X		-08
MW-10		GW		10/26/10	1525	2 X		-09

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____ 8262 1825 1576 pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	10/26/10	16:40			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C	Bottles Received: 16V + 1T
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10-27-10	Time: 0900
				pH Checked:	NCF:

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Est. 1970

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

Report Summary

Tuesday August 24, 2010

Report Number: L475031
Samples Received: 08/20/10
Client Project: 2060496.16

Description: Exclusive

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-01

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-12

Collected By : Anna Perkinson
Collection Date : 08/19/10 09:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-01

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-12

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 09:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	107.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	99.0		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
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August 24,2010

ESC Sample # : L475031-02

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-4

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-02

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-4

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	51.	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	110.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	96.8		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
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August 24,2010

ESC Sample # : L475031-03

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-5

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-03

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-5

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	107.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	96.4		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
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August 24,2010

ESC Sample # : L475031-04

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-1D

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-04

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-1D

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	5.0	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	108.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	99.1		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-05

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-3

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-05

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-3

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	106.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	100.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-06

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-6

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	1.0	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-06

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-6

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	210	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	1.8	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	106.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	108.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-07

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-14

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/21/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-07

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-14

Collected By : Anna Perkinson
Collection Date : 08/19/10 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	106.		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	103.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-08

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-13

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/24/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/24/10	1
Benzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/24/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/24/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/24/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/24/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/24/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/24/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/24/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/24/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/24/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-08

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-13

Collected By : Anna Perkinson
Collection Date : 08/19/10 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/24/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/24/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/24/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/24/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Styrene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/24/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/24/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/24/10	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	08/24/10	1
Dibromofluoromethane	112.		% Rec.	8260B	08/24/10	1
4-Bromofluorobenzene	104.		% Rec.	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-09

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-11

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/24/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/24/10	1
Benzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/24/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/24/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/24/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/24/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/24/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/24/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/24/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/24/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/24/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-09

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-11

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/24/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/24/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/24/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/24/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Styrene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/24/10	1
Tetrachloroethene	3.6	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/24/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/24/10	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/24/10	1
Dibromofluoromethane	109.		% Rec.	8260B	08/24/10	1
4-Bromofluorobenzene	104.		% Rec.	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-10

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-2S

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/24/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/24/10	1
Benzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/24/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/24/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/24/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/24/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/24/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/24/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/24/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/24/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,2-Dichloroethene	1.1	1.0	ug/l	8260B	08/24/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/24/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/24/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-10

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-2S

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/24/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/24/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/24/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/24/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/24/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Styrene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/24/10	1
Tetrachloroethene	10.	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/24/10	1
Trichloroethene	1.0	1.0	ug/l	8260B	08/24/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/24/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/24/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/24/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/24/10	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	08/24/10	1
Dibromofluoromethane	110.		% Rec.	8260B	08/24/10	1
4-Bromofluorobenzene	105.		% Rec.	8260B	08/24/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-11

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-2I

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	2500	ug/l	8260B	08/24/10	50
Acrolein	BDL	2500	ug/l	8260B	08/24/10	50
Acrylonitrile	BDL	500	ug/l	8260B	08/24/10	50
Benzene	BDL	50.	ug/l	8260B	08/24/10	50
Bromobenzene	BDL	50.	ug/l	8260B	08/24/10	50
Bromodichloromethane	BDL	50.	ug/l	8260B	08/24/10	50
Bromoform	BDL	50.	ug/l	8260B	08/24/10	50
Bromomethane	BDL	250	ug/l	8260B	08/24/10	50
n-Butylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
sec-Butylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
tert-Butylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
Carbon tetrachloride	BDL	50.	ug/l	8260B	08/24/10	50
Chlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
Chlorodibromomethane	BDL	50.	ug/l	8260B	08/24/10	50
Chloroethane	BDL	250	ug/l	8260B	08/24/10	50
2-Chloroethyl vinyl ether	BDL	2500	ug/l	8260B	08/24/10	50
Chloroform	BDL	250	ug/l	8260B	08/24/10	50
Chloromethane	BDL	120	ug/l	8260B	08/24/10	50
2-Chlorotoluene	BDL	50.	ug/l	8260B	08/24/10	50
4-Chlorotoluene	BDL	50.	ug/l	8260B	08/24/10	50
1,2-Dibromo-3-Chloropropane	BDL	250	ug/l	8260B	08/24/10	50
1,2-Dibromoethane	BDL	50.	ug/l	8260B	08/24/10	50
Dibromomethane	BDL	50.	ug/l	8260B	08/24/10	50
1,2-Dichlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,3-Dichlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,4-Dichlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
Dichlorodifluoromethane	BDL	250	ug/l	8260B	08/24/10	50
1,1-Dichloroethane	BDL	50.	ug/l	8260B	08/24/10	50
1,2-Dichloroethane	BDL	50.	ug/l	8260B	08/24/10	50
1,1-Dichloroethene	BDL	50.	ug/l	8260B	08/24/10	50
cis-1,2-Dichloroethene	BDL	50.	ug/l	8260B	08/24/10	50
trans-1,2-Dichloroethene	BDL	50.	ug/l	8260B	08/24/10	50
1,2-Dichloropropane	BDL	50.	ug/l	8260B	08/24/10	50
1,1-Dichloropropene	BDL	50.	ug/l	8260B	08/24/10	50
1,3-Dichloropropane	BDL	50.	ug/l	8260B	08/24/10	50
cis-1,3-Dichloropropene	BDL	50.	ug/l	8260B	08/24/10	50
trans-1,3-Dichloropropene	BDL	50.	ug/l	8260B	08/24/10	50
2,2-Dichloropropane	BDL	50.	ug/l	8260B	08/24/10	50
Di-isopropyl ether	BDL	50.	ug/l	8260B	08/24/10	50
Ethylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
Hexachloro-1,3-butadiene	BDL	50.	ug/l	8260B	08/24/10	50
Isopropylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
p-Isopropyltoluene	BDL	50.	ug/l	8260B	08/24/10	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L475031-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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August 24,2010

ESC Sample # : L475031-11

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-2I

Collected By : Anna Perkinson
Collection Date : 08/19/10 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	500	ug/l	8260B	08/24/10	50
Methylene Chloride	BDL	250	ug/l	8260B	08/24/10	50
4-Methyl-2-pentanone (MIBK)	BDL	500	ug/l	8260B	08/24/10	50
Methyl tert-butyl ether	BDL	50.	ug/l	8260B	08/24/10	50
Naphthalene	BDL	250	ug/l	8260B	08/24/10	50
n-Propylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
Styrene	BDL	50.	ug/l	8260B	08/24/10	50
1,1,1,2-Tetrachloroethane	BDL	50.	ug/l	8260B	08/24/10	50
1,1,2,2-Tetrachloroethane	BDL	50.	ug/l	8260B	08/24/10	50
1,1,2-Trichloro-1,2,2-trifluoro	BDL	50.	ug/l	8260B	08/24/10	50
Tetrachloroethene	7800	50.	ug/l	8260B	08/24/10	50
Toluene	BDL	250	ug/l	8260B	08/24/10	50
1,2,3-Trichlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,2,4-Trichlorobenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,1,1-Trichloroethane	BDL	50.	ug/l	8260B	08/24/10	50
1,1,2-Trichloroethane	BDL	50.	ug/l	8260B	08/24/10	50
Trichloroethene	BDL	50.	ug/l	8260B	08/24/10	50
Trichlorofluoromethane	BDL	250	ug/l	8260B	08/24/10	50
1,2,3-Trichloropropane	BDL	50.	ug/l	8260B	08/24/10	50
1,2,4-Trimethylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,2,3-Trimethylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
1,3,5-Trimethylbenzene	BDL	50.	ug/l	8260B	08/24/10	50
Vinyl chloride	BDL	50.	ug/l	8260B	08/24/10	50
Xylenes, Total	BDL	150	ug/l	8260B	08/24/10	50
Surrogate Recovery						
Toluene-d8	95.6		% Rec.	8260B	08/24/10	50
Dibromofluoromethane	105.		% Rec.	8260B	08/24/10	50
4-Bromofluorobenzene	89.3		% Rec.	8260B	08/24/10	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 08/24/10 10:42 Printed: 08/24/10 12:53
L475031-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-12

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-7

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

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111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-12

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-7

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	94.1		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	102.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-13

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-8

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:32

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-13

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-8

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:32

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	94.3		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	101.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-14

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-9

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:12

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-14

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-9

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 12:12

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	94.4		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	104.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-15

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-10

Collected By : Anna Perkinson
Collection Date : 08/19/10 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-15

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-10

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/24/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	95.4		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	105.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 08/24/10 10:42 Printed: 08/24/10 12:53

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-16

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-23

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 10:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-16

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-23

Collected By : Anna Perkinson
Collection Date : 08/19/10 10:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	94.9		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	106.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-17

Date Received : August 20, 2010
Description : Exclusives

Site ID : 68-0004

Sample ID : MW-24

Project # : 2060496.16

Collected By : Anna Perkinson
Collection Date : 08/19/10 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	08/21/10	1
Acrolein	BDL	50.	ug/l	8260B	08/24/10	1
Acrylonitrile	BDL	10.	ug/l	8260B	08/21/10	1
Benzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	08/21/10	1
Bromoform	BDL	1.0	ug/l	8260B	08/21/10	1
Bromomethane	BDL	5.0	ug/l	8260B	08/21/10	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
Chloroethane	BDL	5.0	ug/l	8260B	08/21/10	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	08/21/10	1
Chloroform	BDL	5.0	ug/l	8260B	08/21/10	1
Chloromethane	BDL	2.5	ug/l	8260B	08/21/10	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	08/21/10	1
Dibromomethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	08/21/10	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Ethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	08/21/10	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Laura Powers
Withers & Ravenel Eng. - DSCA
111 MacKenan Drive
Cary, NC 27511

August 24,2010

ESC Sample # : L475031-17

Site ID : 68-0004

Project # : 2060496.16

Date Received : August 20, 2010
Description : Exclusives

Sample ID : MW-24

Collected By : Anna Perkinson
Collection Date : 08/19/10 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	08/21/10	1
Methylene Chloride	BDL	5.0	ug/l	8260B	08/21/10	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	08/21/10	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	08/21/10	1
Naphthalene	BDL	5.0	ug/l	8260B	08/21/10	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Styrene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	08/21/10	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Toluene	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	08/21/10	1
Trichloroethene	BDL	1.0	ug/l	8260B	08/21/10	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	08/21/10	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	08/21/10	1
Vinyl chloride	BDL	1.0	ug/l	8260B	08/21/10	1
Xylenes, Total	BDL	3.0	ug/l	8260B	08/21/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	08/21/10	1
Dibromofluoromethane	95.7		% Rec.	8260B	08/21/10	1
4-Bromofluorobenzene	106.		% Rec.	8260B	08/21/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L475031-01	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-02	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-03	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-04	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-05	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-06	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-07	WG494691	SAMP	2-Chloroethyl vinyl ether	R1342468	J3
	WG494691	SAMP	2-Butanone (MEK)	R1342468	J3
L475031-08	WG494928	SAMP	Acrylonitrile	R1343029	J4
	WG494928	SAMP	2-Chloroethyl vinyl ether	R1343029	J3
	WG494928	SAMP	2-Chlorotoluene	R1343029	J3
	WG494928	SAMP	1,3-Dichlorobenzene	R1343029	J3
	WG494928	SAMP	1,3-Dichloropropane	R1343029	J4
	WG494928	SAMP	Ethylbenzene	R1343029	J3
	WG494928	SAMP	p-Isopropyltoluene	R1343029	J3
	WG494928	SAMP	2-Butanone (MEK)	R1343029	J4
	WG494928	SAMP	Methyl tert-butyl ether	R1343029	J4
	WG494928	SAMP	1,1,2,2-Tetrachloroethane	R1343029	J4
	WG494928	SAMP	1,2,3-Trichloropropane	R1343029	J4
	WG494928	SAMP	1,2,4-Trimethylbenzene	R1343029	J3
L475031-09	WG494928	SAMP	Acrylonitrile	R1343029	J4
	WG494928	SAMP	2-Chloroethyl vinyl ether	R1343029	J3
	WG494928	SAMP	2-Chlorotoluene	R1343029	J3
	WG494928	SAMP	1,3-Dichlorobenzene	R1343029	J3
	WG494928	SAMP	1,3-Dichloropropane	R1343029	J4
	WG494928	SAMP	Ethylbenzene	R1343029	J3
	WG494928	SAMP	p-Isopropyltoluene	R1343029	J3
	WG494928	SAMP	2-Butanone (MEK)	R1343029	J4
	WG494928	SAMP	Methyl tert-butyl ether	R1343029	J4
	WG494928	SAMP	1,1,2,2-Tetrachloroethane	R1343029	J4
	WG494928	SAMP	1,2,3-Trichloropropane	R1343029	J4
	WG494928	SAMP	1,2,4-Trimethylbenzene	R1343029	J3
L475031-10	WG494928	SAMP	Acrylonitrile	R1343029	J4
	WG494928	SAMP	2-Chloroethyl vinyl ether	R1343029	J3
	WG494928	SAMP	2-Chlorotoluene	R1343029	J3
	WG494928	SAMP	1,3-Dichlorobenzene	R1343029	J3
	WG494928	SAMP	1,3-Dichloropropane	R1343029	J4
	WG494928	SAMP	Ethylbenzene	R1343029	J3
	WG494928	SAMP	p-Isopropyltoluene	R1343029	J3
	WG494928	SAMP	2-Butanone (MEK)	R1343029	J4
	WG494928	SAMP	Methyl tert-butyl ether	R1343029	J4
	WG494928	SAMP	1,1,2,2-Tetrachloroethane	R1343029	J4
	WG494928	SAMP	1,2,3-Trichloropropane	R1343029	J4
	WG494928	SAMP	1,2,4-Trimethylbenzene	R1343029	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
08/24/10 at 12:53:46

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L475031-01 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-02 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-03 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-04 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-05 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-06 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-07 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-08 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-09 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-10 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-11 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-12 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-13 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-14 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-15 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-16 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

Sample: L475031-17 Account: WITHRAVD Received: 08/20/10 09:00 Due Date: 08/27/10 00:00 RPT Date: 08/24/10 10:42

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Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1,1-Trichloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1,2-Trichloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1-Dichloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,1-Dichloroethene	< .001	mg/l			WG494692	08/21/10 10:36
1,1-Dichloropropene	< .001	mg/l			WG494692	08/21/10 10:36
1,2,3-Trichlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,2,3-Trichloropropane	< .001	mg/l			WG494692	08/21/10 10:36
1,2,3-Trimethylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,2,4-Trichlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,2,4-Trimethylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG494692	08/21/10 10:36
1,2-Dibromoethane	< .001	mg/l			WG494692	08/21/10 10:36
1,2-Dichlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,2-Dichloroethane	< .001	mg/l			WG494692	08/21/10 10:36
1,2-Dichloropropane	< .001	mg/l			WG494692	08/21/10 10:36
1,3,5-Trimethylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,3-Dichlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
1,3-Dichloropropane	< .001	mg/l			WG494692	08/21/10 10:36
1,4-Dichlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
2,2-Dichloropropane	< .001	mg/l			WG494692	08/21/10 10:36
2-Butanone (MEK)	< .01	mg/l			WG494692	08/21/10 10:36
2-Chloroethyl vinyl ether	< .05	mg/l			WG494692	08/21/10 10:36
2-Chlorotoluene	< .001	mg/l			WG494692	08/21/10 10:36
4-Chlorotoluene	< .001	mg/l			WG494692	08/21/10 10:36
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG494692	08/21/10 10:36
Acetone	< .05	mg/l			WG494692	08/21/10 10:36
Acrylonitrile	< .01	mg/l			WG494692	08/21/10 10:36
Benzene	< .001	mg/l			WG494692	08/21/10 10:36
Bromobenzene	< .001	mg/l			WG494692	08/21/10 10:36
Bromodichloromethane	< .001	mg/l			WG494692	08/21/10 10:36
Bromoform	< .001	mg/l			WG494692	08/21/10 10:36
Bromomethane	< .005	mg/l			WG494692	08/21/10 10:36
Carbon tetrachloride	< .001	mg/l			WG494692	08/21/10 10:36
Chlorobenzene	< .001	mg/l			WG494692	08/21/10 10:36
Chlorodibromomethane	< .001	mg/l			WG494692	08/21/10 10:36
Chloroethane	< .001	mg/l			WG494692	08/21/10 10:36
Chloroform	< .005	mg/l			WG494692	08/21/10 10:36
Chloromethane	< .001	mg/l			WG494692	08/21/10 10:36
cis-1,2-Dichloroethene	< .001	mg/l			WG494692	08/21/10 10:36
cis-1,3-Dichloropropene	< .001	mg/l			WG494692	08/21/10 10:36
Di-isopropyl ether	< .001	mg/l			WG494692	08/21/10 10:36
Dibromomethane	< .001	mg/l			WG494692	08/21/10 10:36
Dichlorodifluoromethane	< .005	mg/l			WG494692	08/21/10 10:36
Ethylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
Hexachloro-1,3-butadiene	< .001	mg/l			WG494692	08/21/10 10:36
Isopropylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
Methyl tert-butyl ether	< .001	mg/l			WG494692	08/21/10 10:36
Methylene Chloride	< .005	mg/l			WG494692	08/21/10 10:36
n-Butylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
n-Propylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
Naphthalene	< .005	mg/l			WG494692	08/21/10 10:36
p-Isopropyltoluene	< .001	mg/l			WG494692	08/21/10 10:36
sec-Butylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
Styrene	< .001	mg/l			WG494692	08/21/10 10:36
tert-Butylbenzene	< .001	mg/l			WG494692	08/21/10 10:36
Tetrachloroethene	< .001	mg/l			WG494692	08/21/10 10:36

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Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Toluene	< .005	mg/l			WG494692	08/21/10 10:36
trans-1,2-Dichloroethene	< .001	mg/l			WG494692	08/21/10 10:36
trans-1,3-Dichloropropene	< .001	mg/l			WG494692	08/21/10 10:36
Trichloroethene	< .001	mg/l			WG494692	08/21/10 10:36
Trichlorofluoromethane	< .005	mg/l			WG494692	08/21/10 10:36
Vinyl chloride	< .001	mg/l			WG494692	08/21/10 10:36
Xylenes, Total	< .003	mg/l			WG494692	08/21/10 10:36
4-Bromofluorobenzene		% Rec.	104.3	75-128	WG494692	08/21/10 10:36
Dibromofluoromethane		% Rec.	92.63	79-125	WG494692	08/21/10 10:36
Toluene-d8		% Rec.	106.3	87-114	WG494692	08/21/10 10:36
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1,1-Trichloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1,2-Trichloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1-Dichloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,1-Dichloroethene	< .001	mg/l			WG494691	08/21/10 12:21
1,1-Dichloropropene	< .001	mg/l			WG494691	08/21/10 12:21
1,2,3-Trichlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,2,3-Trichloropropane	< .001	mg/l			WG494691	08/21/10 12:21
1,2,3-Trimethylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,2,4-Trichlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,2,4-Trimethylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG494691	08/21/10 12:21
1,2-Dibromoethane	< .001	mg/l			WG494691	08/21/10 12:21
1,2-Dichlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,2-Dichloroethane	< .001	mg/l			WG494691	08/21/10 12:21
1,2-Dichloropropane	< .001	mg/l			WG494691	08/21/10 12:21
1,3,5-Trimethylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,3-Dichlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
1,3-Dichloropropane	< .001	mg/l			WG494691	08/21/10 12:21
1,4-Dichlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
2,2-Dichloropropane	< .001	mg/l			WG494691	08/21/10 12:21
2-Butanone (MEK)	< .01	mg/l			WG494691	08/21/10 12:21
2-Chloroethyl vinyl ether	< .05	mg/l			WG494691	08/21/10 12:21
2-Chlorotoluene	< .001	mg/l			WG494691	08/21/10 12:21
4-Chlorotoluene	< .001	mg/l			WG494691	08/21/10 12:21
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG494691	08/21/10 12:21
Acetone	< .05	mg/l			WG494691	08/21/10 12:21
Acrolein	< .05	mg/l			WG494691	08/21/10 12:21
Acrylonitrile	< .01	mg/l			WG494691	08/21/10 12:21
Benzene	< .001	mg/l			WG494691	08/21/10 12:21
Bromobenzene	< .001	mg/l			WG494691	08/21/10 12:21
Bromodichloromethane	< .001	mg/l			WG494691	08/21/10 12:21
Bromoform	< .001	mg/l			WG494691	08/21/10 12:21
Bromomethane	< .005	mg/l			WG494691	08/21/10 12:21
Carbon tetrachloride	< .001	mg/l			WG494691	08/21/10 12:21
Chlorobenzene	< .001	mg/l			WG494691	08/21/10 12:21
Chlorodibromomethane	< .001	mg/l			WG494691	08/21/10 12:21
Chloroethane	< .001	mg/l			WG494691	08/21/10 12:21
Chloroform	< .005	mg/l			WG494691	08/21/10 12:21
Chloromethane	< .001	mg/l			WG494691	08/21/10 12:21
cis-1,2-Dichloroethene	< .001	mg/l			WG494691	08/21/10 12:21
cis-1,3-Dichloropropene	< .001	mg/l			WG494691	08/21/10 12:21
Di-isopropyl ether	< .001	mg/l			WG494691	08/21/10 12:21
Dibromomethane	< .001	mg/l			WG494691	08/21/10 12:21
Dichlorodifluoromethane	< .005	mg/l			WG494691	08/21/10 12:21

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Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Ethylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
Hexachloro-1,3-butadiene	< .001	mg/l			WG494691	08/21/10 12:21
Isopropylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
Methyl tert-butyl ether	< .001	mg/l			WG494691	08/21/10 12:21
Methylene Chloride	< .005	mg/l			WG494691	08/21/10 12:21
n-Butylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
n-Propylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
Naphthalene	< .005	mg/l			WG494691	08/21/10 12:21
p-Isopropyltoluene	< .001	mg/l			WG494691	08/21/10 12:21
sec-Butylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
Styrene	< .001	mg/l			WG494691	08/21/10 12:21
tert-Butylbenzene	< .001	mg/l			WG494691	08/21/10 12:21
Tetrachloroethene	< .001	mg/l			WG494691	08/21/10 12:21
Toluene	< .005	mg/l			WG494691	08/21/10 12:21
trans-1,2-Dichloroethene	< .001	mg/l			WG494691	08/21/10 12:21
trans-1,3-Dichloropropene	< .001	mg/l			WG494691	08/21/10 12:21
Trichloroethene	< .001	mg/l			WG494691	08/21/10 12:21
Trichlorofluoromethane	< .005	mg/l			WG494691	08/21/10 12:21
Vinyl chloride	< .001	mg/l			WG494691	08/21/10 12:21
Xylenes, Total	< .003	mg/l			WG494691	08/21/10 12:21
4-Bromofluorobenzene		% Rec.	96.35	75-128	WG494691	08/21/10 12:21
Dibromofluoromethane		% Rec.	100.3	79-125	WG494691	08/21/10 12:21
Toluene-d8		% Rec.	100.8	87-114	WG494691	08/21/10 12:21
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1,1-Trichloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1,2-Trichloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1-Dichloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,1-Dichloroethene	< .001	mg/l			WG494928	08/24/10 01:00
1,1-Dichloropropene	< .001	mg/l			WG494928	08/24/10 01:00
1,2,3-Trichlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,2,3-Trichloropropane	< .001	mg/l			WG494928	08/24/10 01:00
1,2,3-Trimethylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,2,4-Trichlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,2,4-Trimethylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG494928	08/24/10 01:00
1,2-Dibromoethane	< .001	mg/l			WG494928	08/24/10 01:00
1,2-Dichlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,2-Dichloroethane	< .001	mg/l			WG494928	08/24/10 01:00
1,2-Dichloropropane	< .001	mg/l			WG494928	08/24/10 01:00
1,3,5-Trimethylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,3-Dichlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
1,3-Dichloropropane	< .001	mg/l			WG494928	08/24/10 01:00
1,4-Dichlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
2,2-Dichloropropane	< .001	mg/l			WG494928	08/24/10 01:00
2-Butanone (MEK)	< .01	mg/l			WG494928	08/24/10 01:00
2-Chloroethyl vinyl ether	< .05	mg/l			WG494928	08/24/10 01:00
2-Chlorotoluene	< .001	mg/l			WG494928	08/24/10 01:00
4-Chlorotoluene	< .001	mg/l			WG494928	08/24/10 01:00
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG494928	08/24/10 01:00
Acetone	< .05	mg/l			WG494928	08/24/10 01:00
Acrolein	< .05	mg/l			WG494928	08/24/10 01:00
Acrylonitrile	< .01	mg/l			WG494928	08/24/10 01:00
Benzene	< .001	mg/l			WG494928	08/24/10 01:00
Bromobenzene	< .001	mg/l			WG494928	08/24/10 01:00
Bromodichloromethane	< .001	mg/l			WG494928	08/24/10 01:00

* Performance of this Analyte is outside of established criteria.
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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Bromoform	< .001	mg/l			WG494928	08/24/10 01:00
Bromomethane	< .005	mg/l			WG494928	08/24/10 01:00
Carbon tetrachloride	< .001	mg/l			WG494928	08/24/10 01:00
Chlorobenzene	< .001	mg/l			WG494928	08/24/10 01:00
Chlorodibromomethane	< .001	mg/l			WG494928	08/24/10 01:00
Chloroethane	< .001	mg/l			WG494928	08/24/10 01:00
Chloroform	< .005	mg/l			WG494928	08/24/10 01:00
Chloromethane	< .001	mg/l			WG494928	08/24/10 01:00
cis-1,2-Dichloroethene	< .001	mg/l			WG494928	08/24/10 01:00
cis-1,3-Dichloropropene	< .001	mg/l			WG494928	08/24/10 01:00
Di-isopropyl ether	< .001	mg/l			WG494928	08/24/10 01:00
Dibromomethane	< .001	mg/l			WG494928	08/24/10 01:00
Dichlorodifluoromethane	< .005	mg/l			WG494928	08/24/10 01:00
Ethylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
Hexachloro-1,3-butadiene	< .001	mg/l			WG494928	08/24/10 01:00
Isopropylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
Methyl tert-butyl ether	< .001	mg/l			WG494928	08/24/10 01:00
Methylene Chloride	< .005	mg/l			WG494928	08/24/10 01:00
n-Butylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
n-Propylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
Naphthalene	< .005	mg/l			WG494928	08/24/10 01:00
p-Isopropyltoluene	< .001	mg/l			WG494928	08/24/10 01:00
sec-Butylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
Styrene	< .001	mg/l			WG494928	08/24/10 01:00
tert-Butylbenzene	< .001	mg/l			WG494928	08/24/10 01:00
Tetrachloroethene	< .001	mg/l			WG494928	08/24/10 01:00
Toluene	< .005	mg/l			WG494928	08/24/10 01:00
trans-1,2-Dichloroethene	< .001	mg/l			WG494928	08/24/10 01:00
trans-1,3-Dichloropropene	< .001	mg/l			WG494928	08/24/10 01:00
Trichloroethene	< .001	mg/l			WG494928	08/24/10 01:00
Trichlorofluoromethane	< .005	mg/l			WG494928	08/24/10 01:00
Vinyl chloride	< .001	mg/l			WG494928	08/24/10 01:00
Xylenes, Total	< .003	mg/l			WG494928	08/24/10 01:00
4-Bromofluorobenzene		% Rec.	108.9	75-128	WG494928	08/24/10 01:00
Dibromofluoromethane		% Rec.	112.5	79-125	WG494928	08/24/10 01:00
Toluene-d8		% Rec.	101.7	87-114	WG494928	08/24/10 01:00
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1,1-Trichloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1,2-Trichloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1-Dichloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,1-Dichloroethene	< .001	mg/l			WG494840	08/23/10 23:25
1,1-Dichloropropene	< .001	mg/l			WG494840	08/23/10 23:25
1,2,3-Trichlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,2,3-Trichloropropane	< .001	mg/l			WG494840	08/23/10 23:25
1,2,3-Trimethylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,2,4-Trichlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,2,4-Trimethylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG494840	08/23/10 23:25
1,2-Dibromoethane	< .001	mg/l			WG494840	08/23/10 23:25
1,2-Dichlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,2-Dichloroethane	< .001	mg/l			WG494840	08/23/10 23:25
1,2-Dichloropropane	< .001	mg/l			WG494840	08/23/10 23:25
1,3,5-Trimethylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,3-Dichlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
1,3-Dichloropropane	< .001	mg/l			WG494840	08/23/10 23:25

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Est. 1970

Withers & Ravenel Eng. - DSCA
Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,4-Dichlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
2,2-Dichloropropane	< .001	mg/l			WG494840	08/23/10 23:25
2-Butanone (MEK)	< .01	mg/l			WG494840	08/23/10 23:25
2-Chloroethyl vinyl ether	< .05	mg/l			WG494840	08/23/10 23:25
2-Chlorotoluene	< .001	mg/l			WG494840	08/23/10 23:25
4-Chlorotoluene	< .001	mg/l			WG494840	08/23/10 23:25
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG494840	08/23/10 23:25
Acetone	< .05	mg/l			WG494840	08/23/10 23:25
Acrolein	< .05	mg/l			WG494840	08/23/10 23:25
Acrylonitrile	< .01	mg/l			WG494840	08/23/10 23:25
Benzene	< .001	mg/l			WG494840	08/23/10 23:25
Bromobenzene	< .001	mg/l			WG494840	08/23/10 23:25
Bromodichloromethane	< .001	mg/l			WG494840	08/23/10 23:25
Bromoform	< .001	mg/l			WG494840	08/23/10 23:25
Bromomethane	< .005	mg/l			WG494840	08/23/10 23:25
Carbon tetrachloride	< .001	mg/l			WG494840	08/23/10 23:25
Chlorobenzene	< .001	mg/l			WG494840	08/23/10 23:25
Chlorodibromomethane	< .001	mg/l			WG494840	08/23/10 23:25
Chloroethane	< .001	mg/l			WG494840	08/23/10 23:25
Chloroform	< .005	mg/l			WG494840	08/23/10 23:25
Chloromethane	< .001	mg/l			WG494840	08/23/10 23:25
cis-1,2-Dichloroethene	< .001	mg/l			WG494840	08/23/10 23:25
cis-1,3-Dichloropropene	< .001	mg/l			WG494840	08/23/10 23:25
Di-isopropyl ether	< .001	mg/l			WG494840	08/23/10 23:25
Dibromomethane	< .001	mg/l			WG494840	08/23/10 23:25
Dichlorodifluoromethane	< .005	mg/l			WG494840	08/23/10 23:25
Ethylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
Hexachloro-1,3-butadiene	< .001	mg/l			WG494840	08/23/10 23:25
Isopropylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
Methyl tert-butyl ether	< .001	mg/l			WG494840	08/23/10 23:25
Methylene Chloride	< .005	mg/l			WG494840	08/23/10 23:25
n-Butylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
n-Propylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
Naphthalene	< .005	mg/l			WG494840	08/23/10 23:25
p-Isopropyltoluene	< .001	mg/l			WG494840	08/23/10 23:25
sec-Butylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
Styrene	< .001	mg/l			WG494840	08/23/10 23:25
tert-Butylbenzene	< .001	mg/l			WG494840	08/23/10 23:25
Tetrachloroethene	< .001	mg/l			WG494840	08/23/10 23:25
Toluene	< .005	mg/l			WG494840	08/23/10 23:25
trans-1,2-Dichloroethene	< .001	mg/l			WG494840	08/23/10 23:25
trans-1,3-Dichloropropene	< .001	mg/l			WG494840	08/23/10 23:25
Trichloroethene	< .001	mg/l			WG494840	08/23/10 23:25
Trichlorofluoromethane	< .005	mg/l			WG494840	08/23/10 23:25
Vinyl chloride	< .001	mg/l			WG494840	08/23/10 23:25
Xylenes, Total	< .003	mg/l			WG494840	08/23/10 23:25
4-Bromofluorobenzene		% Rec.	92.63	75-128	WG494840	08/23/10 23:25
Dibromofluoromethane		% Rec.	99.57	79-125	WG494840	08/23/10 23:25
Toluene-d8		% Rec.	96.64	87-114	WG494840	08/23/10 23:25

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0242	96.8	75-134	WG494692
1,1,1-Trichloroethane	mg/l	.025	0.0209	83.7	67-137	WG494692
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0242	96.7	72-128	WG494692
1,1,2-Trichloroethane	mg/l	.025	0.0242	96.6	79-123	WG494692
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0241	96.5	51-149	WG494692
1,1-Dichloroethane	mg/l	.025	0.0221	88.5	67-133	WG494692

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1-Dichloroethene	mg/l	.025	0.0213	85.1	60-130	WG494692
1,1-Dichloropropene	mg/l	.025	0.0226	90.4	68-132	WG494692
1,2,3-Trichlorobenzene	mg/l	.025	0.0245	98.1	63-138	WG494692
1,2,3-Trichloropropane	mg/l	.025	0.0237	95.0	68-130	WG494692
1,2,3-Trimethylbenzene	mg/l	.025	0.0246	98.5	70-127	WG494692
1,2,4-Trichlorobenzene	mg/l	.025	0.0268	107.	65-137	WG494692
1,2,4-Trimethylbenzene	mg/l	.025	0.0258	103.	72-135	WG494692
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0291	117.	55-134	WG494692
1,2-Dibromoethane	mg/l	.025	0.0253	101.	75-126	WG494692
1,2-Dichlorobenzene	mg/l	.025	0.0258	103.	75-122	WG494692
1,2-Dichloroethane	mg/l	.025	0.0205	82.0	63-137	WG494692
1,2-Dichloropropane	mg/l	.025	0.0239	95.5	74-122	WG494692
1,3,5-Trimethylbenzene	mg/l	.025	0.0255	102.	73-134	WG494692
1,3-Dichlorobenzene	mg/l	.025	0.0254	102.	73-131	WG494692
1,3-Dichloropropane	mg/l	.025	0.0244	97.7	77-119	WG494692
1,4-Dichlorobenzene	mg/l	.025	0.0236	94.2	70-121	WG494692
2,2-Dichloropropane	mg/l	.025	0.0220	88.1	46-151	WG494692
2-Butanone (MEK)	mg/l	.125	0.110	87.9	53-132	WG494692
2-Chloroethyl vinyl ether	mg/l	.125	0.121	96.8	0-171	WG494692
2-Chlorotoluene	mg/l	.025	0.0246	98.6	74-128	WG494692
4-Chlorotoluene	mg/l	.025	0.0248	99.0	74-130	WG494692
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.130	104.	60-142	WG494692
Acetone	mg/l	.125	0.108	86.5	48-134	WG494692
Acrylonitrile	mg/l	.125	0.108	86.7	60-140	WG494692
Benzene	mg/l	.025	0.0215	85.9	67-126	WG494692
Bromobenzene	mg/l	.025	0.0239	95.6	76-123	WG494692
Bromodichloromethane	mg/l	.025	0.0229	91.6	68-133	WG494692
Bromoform	mg/l	.025	0.0253	101.	60-139	WG494692
Bromomethane	mg/l	.025	0.0197	78.8	45-175	WG494692
Carbon tetrachloride	mg/l	.025	0.0209	83.6	64-141	WG494692
Chlorobenzene	mg/l	.025	0.0253	101.	77-125	WG494692
Chlorodibromomethane	mg/l	.025	0.0238	95.2	73-138	WG494692
Chloroethane	mg/l	.025	0.0230	92.0	49-155	WG494692
Chloroform	mg/l	.025	0.0211	84.5	66-126	WG494692
Chloromethane	mg/l	.025	0.0219	87.8	45-152	WG494692
cis-1,2-Dichloroethene	mg/l	.025	0.0232	93.0	72-128	WG494692
cis-1,3-Dichloropropene	mg/l	.025	0.0244	97.8	73-131	WG494692
Di-isopropyl ether	mg/l	.025	0.0205	82.0	63-139	WG494692
Dibromomethane	mg/l	.025	0.0234	93.7	73-125	WG494692
Dichlorodifluoromethane	mg/l	.025	0.0245	98.0	39-189	WG494692
Ethylbenzene	mg/l	.025	0.0262	105.	76-129	WG494692
Hexachloro-1,3-butadiene	mg/l	.025	0.0275	110.	67-135	WG494692
Isopropylbenzene	mg/l	.025	0.0265	106.	73-132	WG494692
Methyl tert-butyl ether	mg/l	.025	0.0230	92.1	51-142	WG494692
Methylene Chloride	mg/l	.025	0.0207	82.9	64-125	WG494692
n-Butylbenzene	mg/l	.025	0.0268	107.	63-142	WG494692
n-Propylbenzene	mg/l	.025	0.0255	102.	71-132	WG494692
Naphthalene	mg/l	.025	0.0257	103.	56-145	WG494692
p-Isopropyltoluene	mg/l	.025	0.0240	96.2	68-138	WG494692
sec-Butylbenzene	mg/l	.025	0.0263	105.	70-135	WG494692
Styrene	mg/l	.025	0.0236	94.5	78-130	WG494692
tert-Butylbenzene	mg/l	.025	0.0261	104.	72-134	WG494692
Tetrachloroethene	mg/l	.025	0.0266	106.	67-135	WG494692
Toluene	mg/l	.025	0.0225	90.0	72-122	WG494692
trans-1,2-Dichloroethene	mg/l	.025	0.0229	91.6	67-129	WG494692
trans-1,3-Dichloropropene	mg/l	.025	0.0222	88.8	66-137	WG494692
Trichloroethene	mg/l	.025	0.0247	98.7	74-126	WG494692
Trichlorofluoromethane	mg/l	.025	0.0192	77.0	54-156	WG494692
Vinyl chloride	mg/l	.025	0.0225	90.1	55-153	WG494692

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Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Xylenes, Total	mg/l	.075	0.0774	103.	75-128	WG494692
4-Bromofluorobenzene				105.4	75-128	WG494692
Dibromofluoromethane				90.57	79-125	WG494692
Toluene-d8				104.3	87-114	WG494692
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0220	87.9	75-134	WG494691
1,1,1-Trichloroethane	mg/l	.025	0.0237	94.7	67-137	WG494691
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0251	100.	72-128	WG494691
1,1,2-Trichloroethane	mg/l	.025	0.0215	86.1	79-123	WG494691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0250	100.	51-149	WG494691
1,1-Dichloroethane	mg/l	.025	0.0237	94.9	67-133	WG494691
1,1-Dichloroethene	mg/l	.025	0.0247	98.8	60-130	WG494691
1,1-Dichloropropene	mg/l	.025	0.0233	93.1	68-132	WG494691
1,2,3-Trichlorobenzene	mg/l	.025	0.0231	92.4	63-138	WG494691
1,2,3-Trichloropropane	mg/l	.025	0.0253	101.	68-130	WG494691
1,2,3-Trimethylbenzene	mg/l	.025	0.0212	84.9	70-127	WG494691
1,2,4-Trichlorobenzene	mg/l	.025	0.0224	89.7	65-137	WG494691
1,2,4-Trimethylbenzene	mg/l	.025	0.0230	92.2	72-135	WG494691
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0260	104.	55-134	WG494691
1,2-Dibromoethane	mg/l	.025	0.0219	87.4	75-126	WG494691
1,2-Dichlorobenzene	mg/l	.025	0.0242	96.7	75-122	WG494691
1,2-Dichloroethane	mg/l	.025	0.0224	89.7	63-137	WG494691
1,2-Dichloropropane	mg/l	.025	0.0229	91.8	74-122	WG494691
1,3,5-Trimethylbenzene	mg/l	.025	0.0225	89.8	73-134	WG494691
1,3-Dichlorobenzene	mg/l	.025	0.0247	99.0	73-131	WG494691
1,3-Dichloropropane	mg/l	.025	0.0225	89.9	77-119	WG494691
1,4-Dichlorobenzene	mg/l	.025	0.0223	89.3	70-121	WG494691
2,2-Dichloropropane	mg/l	.025	0.0265	106.	46-151	WG494691
2-Butanone (MEK)	mg/l	.125	0.133	107.	53-132	WG494691
2-Chloroethyl vinyl ether	mg/l	.125	0.0936	74.9	0-171	WG494691
2-Chlorotoluene	mg/l	.025	0.0235	93.8	74-128	WG494691
4-Chlorotoluene	mg/l	.025	0.0225	90.1	74-130	WG494691
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.128	102.	60-142	WG494691
Acetone	mg/l	.125	0.132	105.	48-134	WG494691
Acrolein	mg/l	.125	0.0762	61.0	6-182	WG494691
Acrylonitrile	mg/l	.125	0.131	105.	60-140	WG494691
Benzene	mg/l	.025	0.0229	91.5	67-126	WG494691
Bromobenzene	mg/l	.025	0.0235	94.0	76-123	WG494691
Bromodichloromethane	mg/l	.025	0.0205	81.8	68-133	WG494691
Bromoform	mg/l	.025	0.0235	94.1	60-139	WG494691
Bromomethane	mg/l	.025	0.0276	110.	45-175	WG494691
Carbon tetrachloride	mg/l	.025	0.0225	89.9	64-141	WG494691
Chlorobenzene	mg/l	.025	0.0230	91.8	77-125	WG494691
Chlorodibromomethane	mg/l	.025	0.0208	83.3	73-138	WG494691
Chloroethane	mg/l	.025	0.0233	93.2	49-155	WG494691
Chloroform	mg/l	.025	0.0223	89.0	66-126	WG494691
Chloromethane	mg/l	.025	0.0255	102.	45-152	WG494691
cis-1,2-Dichloroethene	mg/l	.025	0.0228	91.0	72-128	WG494691
cis-1,3-Dichloropropene	mg/l	.025	0.0205	82.2	73-131	WG494691
Di-isopropyl ether	mg/l	.025	0.0222	88.7	63-139	WG494691
Dibromomethane	mg/l	.025	0.0224	89.8	73-125	WG494691
Dichlorodifluoromethane	mg/l	.025	0.0263	105.	39-189	WG494691
Ethylbenzene	mg/l	.025	0.0225	89.8	76-129	WG494691
Hexachloro-1,3-butadiene	mg/l	.025	0.0231	92.6	67-135	WG494691
Isopropylbenzene	mg/l	.025	0.0231	92.5	73-132	WG494691
Methyl tert-butyl ether	mg/l	.025	0.0272	109.	51-142	WG494691
Methylene Chloride	mg/l	.025	0.0223	89.1	64-125	WG494691
n-Butylbenzene	mg/l	.025	0.0234	93.5	63-142	WG494691

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Withers & Ravenel Eng. - DSCA
Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
n-Propylbenzene	mg/l	.025	0.0237	94.6	71-132	WG494691
Naphthalene	mg/l	.025	0.0258	103.	56-145	WG494691
p-Isopropyltoluene	mg/l	.025	0.0243	97.0	68-138	WG494691
sec-Butylbenzene	mg/l	.025	0.0243	97.1	70-135	WG494691
Styrene	mg/l	.025	0.0206	82.5	78-130	WG494691
tert-Butylbenzene	mg/l	.025	0.0240	96.1	72-134	WG494691
Tetrachloroethene	mg/l	.025	0.0221	88.5	67-135	WG494691
Toluene	mg/l	.025	0.0214	85.6	72-122	WG494691
trans-1,2-Dichloroethene	mg/l	.025	0.0220	88.2	67-129	WG494691
trans-1,3-Dichloropropene	mg/l	.025	0.0200	80.1	66-137	WG494691
Trichloroethene	mg/l	.025	0.0230	92.0	74-126	WG494691
Trichlorofluoromethane	mg/l	.025	0.0238	95.0	54-156	WG494691
Vinyl chloride	mg/l	.025	0.0236	94.3	55-153	WG494691
Xylenes, Total	mg/l	.075	0.0698	93.0	75-128	WG494691
4-Bromofluorobenzene				103.6	75-128	WG494691
Dibromofluoromethane				106.2	79-125	WG494691
Toluene-d8				101.3	87-114	WG494691
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0252	101.	75-134	WG494928
1,1,1-Trichloroethane	mg/l	.025	0.0337	135.	67-137	WG494928
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0307	123.	72-128	WG494928
1,1,2-Trichloroethane	mg/l	.025	0.0269	107.	79-123	WG494928
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0333	133.	51-149	WG494928
1,1-Dichloroethane	mg/l	.025	0.0328	131.	67-133	WG494928
1,1-Dichloroethene	mg/l	.025	0.0312	125.	60-130	WG494928
1,1-Dichloropropene	mg/l	.025	0.0298	119.	68-132	WG494928
1,2,3-Trichlorobenzene	mg/l	.025	0.0284	113.	63-138	WG494928
1,2,3-Trichloropropane	mg/l	.025	0.0302	121.	68-130	WG494928
1,2,3-Trimethylbenzene	mg/l	.025	0.0248	99.1	70-127	WG494928
1,2,4-Trichlorobenzene	mg/l	.025	0.0273	109.	65-137	WG494928
1,2,4-Trimethylbenzene	mg/l	.025	0.0240	96.0	72-135	WG494928
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0319	127.	55-134	WG494928
1,2-Dibromoethane	mg/l	.025	0.0256	102.	75-126	WG494928
1,2-Dichlorobenzene	mg/l	.025	0.0292	117.	75-122	WG494928
1,2-Dichloroethane	mg/l	.025	0.0315	126.	63-137	WG494928
1,2-Dichloropropane	mg/l	.025	0.0286	114.	74-122	WG494928
1,3,5-Trimethylbenzene	mg/l	.025	0.0238	95.3	73-134	WG494928
1,3-Dichlorobenzene	mg/l	.025	0.0263	105.	73-131	WG494928
1,3-Dichloropropane	mg/l	.025	0.0270	108.	77-119	WG494928
1,4-Dichlorobenzene	mg/l	.025	0.0270	108.	70-121	WG494928
2,2-Dichloropropane	mg/l	.025	0.0358	143.	46-151	WG494928
2-Butanone (MEK)	mg/l	.125	0.204	163.*	53-132	WG494928
2-Chloroethyl vinyl ether	mg/l	.125	0.171	137.	0-171	WG494928
2-Chlorotoluene	mg/l	.025	0.0253	101.	74-128	WG494928
4-Chlorotoluene	mg/l	.025	0.0244	97.5	74-130	WG494928
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.173	138.	60-142	WG494928
Acetone	mg/l	.125	0.162	130.	48-134	WG494928
Acrolein	mg/l	.125	0.0692	55.3	6-182	WG494928
Acrylonitrile	mg/l	.125	0.194	155.*	60-140	WG494928
Benzene	mg/l	.025	0.0309	124.	67-126	WG494928
Bromobenzene	mg/l	.025	0.0262	105.	76-123	WG494928
Bromodichloromethane	mg/l	.025	0.0273	109.	68-133	WG494928
Bromoform	mg/l	.025	0.0272	109.	60-139	WG494928
Bromomethane	mg/l	.025	0.0371	149.	45-175	WG494928
Carbon tetrachloride	mg/l	.025	0.0304	122.	64-141	WG494928
Chlorobenzene	mg/l	.025	0.0254	101.	77-125	WG494928
Chlorodibromomethane	mg/l	.025	0.0242	97.0	73-138	WG494928
Chloroethane	mg/l	.025	0.0289	116.	49-155	WG494928

* Performance of this Analyte is outside of established criteria.
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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chloroform	mg/l	.025	0.0309	124.	66-126	WG494928
Chloromethane	mg/l	.025	0.0296	118.	45-152	WG494928
cis-1,2-Dichloroethene	mg/l	.025	0.0310	124.	72-128	WG494928
cis-1,3-Dichloropropene	mg/l	.025	0.0267	107.	73-131	WG494928
Di-isopropyl ether	mg/l	.025	0.0311	124.	63-139	WG494928
Dibromomethane	mg/l	.025	0.0285	114.	73-125	WG494928
Dichlorodifluoromethane	mg/l	.025	0.0286	114.	39-189	WG494928
Ethylbenzene	mg/l	.025	0.0238	95.2	76-129	WG494928
Hexachloro-1,3-butadiene	mg/l	.025	0.0268	107.	67-135	WG494928
Isopropylbenzene	mg/l	.025	0.0250	100.	73-132	WG494928
Methyl tert-butyl ether	mg/l	.025	0.0394	158.*	51-142	WG494928
Methylene Chloride	mg/l	.025	0.0296	118.	64-125	WG494928
n-Butylbenzene	mg/l	.025	0.0271	109.	63-142	WG494928
n-Propylbenzene	mg/l	.025	0.0258	103.	71-132	WG494928
Naphthalene	mg/l	.025	0.0334	134.	56-145	WG494928
p-Isopropyltoluene	mg/l	.025	0.0256	102.	68-138	WG494928
sec-Butylbenzene	mg/l	.025	0.0258	103.	70-135	WG494928
Styrene	mg/l	.025	0.0235	94.1	78-130	WG494928
tert-Butylbenzene	mg/l	.025	0.0266	106.	72-134	WG494928
Tetrachloroethene	mg/l	.025	0.0238	95.1	67-135	WG494928
Toluene	mg/l	.025	0.0264	106.	72-122	WG494928
trans-1,2-Dichloroethene	mg/l	.025	0.0286	114.	67-129	WG494928
trans-1,3-Dichloropropene	mg/l	.025	0.0249	99.8	66-137	WG494928
Trichloroethene	mg/l	.025	0.0278	111.	74-126	WG494928
Trichlorofluoromethane	mg/l	.025	0.0302	121.	54-156	WG494928
Vinyl chloride	mg/l	.025	0.0273	109.	55-153	WG494928
Xylenes, Total	mg/l	.075	0.0751	100.	75-128	WG494928
4-Bromofluorobenzene				101.3	75-128	WG494928
Dibromofluoromethane				117.5	79-125	WG494928
Toluene-d8				101.7	87-114	WG494928
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0318	127.	75-134	WG494840
1,1,1-Trichloroethane	mg/l	.025	0.0263	105.	67-137	WG494840
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0253	101.	72-128	WG494840
1,1,2-Trichloroethane	mg/l	.025	0.0265	106.	79-123	WG494840
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0246	98.4	51-149	WG494840
1,1-Dichloroethane	mg/l	.025	0.0229	91.6	67-133	WG494840
1,1-Dichloroethene	mg/l	.025	0.0227	90.8	60-130	WG494840
1,1-Dichloropropene	mg/l	.025	0.0225	90.1	68-132	WG494840
1,2,3-Trichlorobenzene	mg/l	.025	0.0268	107.	63-138	WG494840
1,2,3-Trichloropropane	mg/l	.025	0.0258	103.	68-130	WG494840
1,2,3-Trimethylbenzene	mg/l	.025	0.0258	103.	70-127	WG494840
1,2,4-Trichlorobenzene	mg/l	.025	0.0268	107.	65-137	WG494840
1,2,4-Trimethylbenzene	mg/l	.025	0.0278	111.	72-135	WG494840
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0249	99.5	55-134	WG494840
1,2-Dibromoethane	mg/l	.025	0.0249	99.4	75-126	WG494840
1,2-Dichlorobenzene	mg/l	.025	0.0266	107.	75-122	WG494840
1,2-Dichloroethane	mg/l	.025	0.0225	89.9	63-137	WG494840
1,2-Dichloropropane	mg/l	.025	0.0224	89.5	74-122	WG494840
1,3,5-Trimethylbenzene	mg/l	.025	0.0282	113.	73-134	WG494840
1,3-Dichlorobenzene	mg/l	.025	0.0293	117.	73-131	WG494840
1,3-Dichloropropane	mg/l	.025	0.0237	95.0	77-119	WG494840
1,4-Dichlorobenzene	mg/l	.025	0.0268	107.	70-121	WG494840
2,2-Dichloropropane	mg/l	.025	0.0264	106.	46-151	WG494840
2-Butanone (MEK)	mg/l	.125	0.0930	74.4	53-132	WG494840
2-Chloroethyl vinyl ether	mg/l	.125	0.0877	70.1	0-171	WG494840
2-Chlorotoluene	mg/l	.025	0.0281	112.	74-128	WG494840
4-Chlorotoluene	mg/l	.025	0.0275	110.	74-130	WG494840

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Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.0950	76.0	60-142	WG494840
Acetone	mg/l	.125	0.105	84.0	48-134	WG494840
Acrolein	mg/l	.125	0.0836	66.9	6-182	WG494840
Acrylonitrile	mg/l	.125	0.0928	74.3	60-140	WG494840
Benzene	mg/l	.025	0.0215	86.2	67-126	WG494840
Bromobenzene	mg/l	.025	0.0264	105.	76-123	WG494840
Bromodichloromethane	mg/l	.025	0.0268	107.	68-133	WG494840
Bromoform	mg/l	.025	0.0314	126.	60-139	WG494840
Bromomethane	mg/l	.025	0.0305	122.	45-175	WG494840
Carbon tetrachloride	mg/l	.025	0.0267	107.	64-141	WG494840
Chlorobenzene	mg/l	.025	0.0271	108.	77-125	WG494840
Chlorodibromomethane	mg/l	.025	0.0301	120.	73-138	WG494840
Chloroethane	mg/l	.025	0.0269	108.	49-155	WG494840
Chloroform	mg/l	.025	0.0248	99.0	66-126	WG494840
Chloromethane	mg/l	.025	0.0212	84.9	45-152	WG494840
cis-1,2-Dichloroethene	mg/l	.025	0.0235	94.2	72-128	WG494840
cis-1,3-Dichloropropene	mg/l	.025	0.0235	93.9	73-131	WG494840
Di-isopropyl ether	mg/l	.025	0.0205	81.9	63-139	WG494840
Dibromomethane	mg/l	.025	0.0233	93.1	73-125	WG494840
Dichlorodifluoromethane	mg/l	.025	0.0305	122.	39-189	WG494840
Ethylbenzene	mg/l	.025	0.0259	104.	76-129	WG494840
Hexachloro-1,3-butadiene	mg/l	.025	0.0280	112.	67-135	WG494840
Isopropylbenzene	mg/l	.025	0.0280	112.	73-132	WG494840
Methyl tert-butyl ether	mg/l	.025	0.0205	82.2	51-142	WG494840
Methylene Chloride	mg/l	.025	0.0221	88.6	64-125	WG494840
n-Butylbenzene	mg/l	.025	0.0268	107.	63-142	WG494840
n-Propylbenzene	mg/l	.025	0.0276	110.	71-132	WG494840
Naphthalene	mg/l	.025	0.0216	86.3	56-145	WG494840
p-Isopropyltoluene	mg/l	.025	0.0293	117.	68-138	WG494840
sec-Butylbenzene	mg/l	.025	0.0286	115.	70-135	WG494840
Styrene	mg/l	.025	0.0270	108.	78-130	WG494840
tert-Butylbenzene	mg/l	.025	0.0290	116.	72-134	WG494840
Tetrachloroethene	mg/l	.025	0.0288	115.	67-135	WG494840
Toluene	mg/l	.025	0.0235	94.0	72-122	WG494840
trans-1,2-Dichloroethene	mg/l	.025	0.0223	89.0	67-129	WG494840
trans-1,3-Dichloropropene	mg/l	.025	0.0239	95.7	66-137	WG494840
Trichloroethene	mg/l	.025	0.0260	104.	74-126	WG494840
Trichlorofluoromethane	mg/l	.025	0.0294	118.	54-156	WG494840
Vinyl chloride	mg/l	.025	0.0253	101.	55-153	WG494840
Xylenes, Total	mg/l	.075	0.0786	105.	75-128	WG494840
4-Bromofluorobenzene				97.46	75-128	WG494840
Dibromofluoromethane				95.43	79-125	WG494840
Toluene-d8				96.14	87-114	WG494840

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0244	0.0242	98.0	75-134	0.740	20	WG494692
1,1,1-Trichloroethane	mg/l	0.0214	0.0209	86.0	67-137	2.23	20	WG494692
1,1,2,2-Tetrachloroethane	mg/l	0.0240	0.0242	96.0	72-128	0.770	20	WG494692
1,1,2-Trichloroethane	mg/l	0.0245	0.0242	98.0	79-123	1.48	20	WG494692
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0238	0.0241	95.0	51-149	1.30	20	WG494692
1,1-Dichloroethane	mg/l	0.0229	0.0221	91.0	67-133	3.25	20	WG494692
1,1-Dichloroethene	mg/l	0.0198	0.0213	79.0	60-130	7.36	20	WG494692
1,1-Dichloropropene	mg/l	0.0235	0.0226	94.0	68-132	3.91	20	WG494692
1,2,3-Trichlorobenzene	mg/l	0.0239	0.0245	96.0	63-138	2.56	20	WG494692
1,2,3-Trichloropropane	mg/l	0.0238	0.0237	95.0	68-130	0.0800	20	WG494692
1,2,3-Trimethylbenzene	mg/l	0.0245	0.0246	98.0	70-127	0.590	20	WG494692
1,2,4-Trichlorobenzene	mg/l	0.0258	0.0268	103.	65-137	3.91	20	WG494692

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Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,2,4-Trimethylbenzene	mg/l	0.0262	0.0258	105.	72-135	1.35	20	WG494692
1,2-Dibromo-3-Chloropropane	mg/l	0.0290	0.0291	116.	55-134	0.330	20	WG494692
1,2-Dibromoethane	mg/l	0.0251	0.0253	100.	75-126	0.760	20	WG494692
1,2-Dichlorobenzene	mg/l	0.0252	0.0258	101.	75-122	2.20	20	WG494692
1,2-Dichloroethane	mg/l	0.0214	0.0205	86.0	63-137	4.31	20	WG494692
1,2-Dichloropropane	mg/l	0.0239	0.0239	96.0	74-122	0.130	20	WG494692
1,3,5-Trimethylbenzene	mg/l	0.0256	0.0255	102.	73-134	0.290	20	WG494692
1,3-Dichlorobenzene	mg/l	0.0256	0.0254	102.	73-131	0.900	20	WG494692
1,3-Dichloropropane	mg/l	0.0244	0.0244	98.0	77-119	0.110	20	WG494692
1,4-Dichlorobenzene	mg/l	0.0234	0.0236	94.0	70-121	0.580	20	WG494692
2,2-Dichloropropane	mg/l	0.0225	0.0220	90.0	46-151	1.96	20	WG494692
2-Butanone (MEK)	mg/l	0.113	0.110	91.0	53-132	3.18	20	WG494692
2-Chloroethyl vinyl ether	mg/l	0.122	0.121	97.0	0-171	0.580	27	WG494692
2-Chlorotoluene	mg/l	0.0248	0.0246	99.0	74-128	0.580	20	WG494692
4-Chlorotoluene	mg/l	0.0247	0.0248	99.0	74-130	0.160	20	WG494692
4-Methyl-2-pentanone (MIBK)	mg/l	0.129	0.130	103.	60-142	0.740	20	WG494692
Acetone	mg/l	0.109	0.108	87.0	48-134	0.720	20	WG494692
Acrylonitrile	mg/l	0.111	0.108	89.0	60-140	2.28	20	WG494692
Benzene	mg/l	0.0222	0.0215	89.0	67-126	3.55	20	WG494692
Bromobenzene	mg/l	0.0240	0.0239	96.0	76-123	0.420	20	WG494692
Bromodichloromethane	mg/l	0.0235	0.0229	94.0	68-133	2.67	20	WG494692
Bromoform	mg/l	0.0255	0.0253	102.	60-139	1.00	20	WG494692
Bromomethane	mg/l	0.0199	0.0197	79.0	45-175	0.860	20	WG494692
Carbon tetrachloride	mg/l	0.0214	0.0209	86.0	64-141	2.51	20	WG494692
Chlorobenzene	mg/l	0.0256	0.0253	102.	77-125	0.900	20	WG494692
Chlorodibromomethane	mg/l	0.0238	0.0238	95.0	73-138	0.150	20	WG494692
Chloroethane	mg/l	0.0213	0.0230	85.0	49-155	7.92	20	WG494692
Chloroform	mg/l	0.0217	0.0211	87.0	66-126	2.69	20	WG494692
Chloromethane	mg/l	0.0227	0.0219	91.0	45-152	3.45	20	WG494692
cis-1,2-Dichloroethene	mg/l	0.0238	0.0232	95.0	72-128	2.16	20	WG494692
cis-1,3-Dichloropropene	mg/l	0.0245	0.0244	98.0	73-131	0.360	20	WG494692
Di-isopropyl ether	mg/l	0.0210	0.0205	84.0	63-139	2.26	20	WG494692
Dibromomethane	mg/l	0.0241	0.0234	96.0	73-125	2.83	20	WG494692
Dichlorodifluoromethane	mg/l	0.0248	0.0245	99.0	39-189	1.23	24	WG494692
Ethylbenzene	mg/l	0.0260	0.0262	104.	76-129	0.740	20	WG494692
Hexachloro-1,3-butadiene	mg/l	0.0267	0.0275	107.	67-135	3.08	20	WG494692
Isopropylbenzene	mg/l	0.0266	0.0265	106.	73-132	0.270	20	WG494692
Methyl tert-butyl ether	mg/l	0.0237	0.0230	95.0	51-142	3.12	20	WG494692
Methylene Chloride	mg/l	0.0214	0.0207	86.0	64-125	3.22	20	WG494692
n-Butylbenzene	mg/l	0.0263	0.0268	105.	63-142	1.83	20	WG494692
n-Propylbenzene	mg/l	0.0253	0.0255	101.	71-132	0.850	20	WG494692
Naphthalene	mg/l	0.0252	0.0257	101.	56-145	1.85	20	WG494692
p-Isopropyltoluene	mg/l	0.0237	0.0240	95.0	68-138	1.28	20	WG494692
sec-Butylbenzene	mg/l	0.0260	0.0263	104.	70-135	0.950	20	WG494692
Styrene	mg/l	0.0236	0.0236	94.0	78-130	0.200	20	WG494692
tert-Butylbenzene	mg/l	0.0260	0.0261	104.	72-134	0.350	20	WG494692
Tetrachloroethene	mg/l	0.0263	0.0266	105.	67-135	1.07	20	WG494692
Toluene	mg/l	0.0224	0.0225	90.0	72-122	0.200	20	WG494692
trans-1,2-Dichloroethene	mg/l	0.0234	0.0229	94.0	67-129	2.35	20	WG494692
trans-1,3-Dichloropropene	mg/l	0.0228	0.0222	91.0	66-137	2.88	20	WG494692
Trichloroethene	mg/l	0.0249	0.0247	99.0	74-126	0.720	20	WG494692
Trichlorofluoromethane	mg/l	0.0182	0.0192	73.0	54-156	5.57	20	WG494692
Vinyl chloride	mg/l	0.0231	0.0225	92.0	55-153	2.70	20	WG494692
Xylenes, Total	mg/l	0.0778	0.0774	104.	75-128	0.560	20	WG494692
4-Bromofluorobenzene				106.7	75-128			WG494692
Dibromofluoromethane				92.98	79-125			WG494692
Toluene-d8				104.1	87-114			WG494692

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Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0223	0.0220	89.0	75-134	1.61	20	WG494691
1,1,1-Trichloroethane	mg/l	0.0240	0.0237	96.0	67-137	1.46	20	WG494691
1,1,2,2-Tetrachloroethane	mg/l	0.0280	0.0251	112.	72-128	11.0	20	WG494691
1,1,2-Trichloroethane	mg/l	0.0236	0.0215	94.0	79-123	9.37	20	WG494691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0261	0.0250	104.	51-149	4.45	20	WG494691
1,1-Dichloroethane	mg/l	0.0247	0.0237	99.0	67-133	3.92	20	WG494691
1,1-Dichloroethene	mg/l	0.0254	0.0247	102.	60-130	3.00	20	WG494691
1,1-Dichloropropene	mg/l	0.0237	0.0233	95.0	68-132	1.57	20	WG494691
1,2,3-Trichlorobenzene	mg/l	0.0230	0.0231	92.0	63-138	0.580	20	WG494691
1,2,3-Trichloropropane	mg/l	0.0276	0.0253	110.	68-130	8.75	20	WG494691
1,2,3-Trimethylbenzene	mg/l	0.0217	0.0212	87.0	70-127	2.24	20	WG494691
1,2,4-Trichlorobenzene	mg/l	0.0224	0.0224	89.0	65-137	0.240	20	WG494691
1,2,4-Trimethylbenzene	mg/l	0.0233	0.0230	93.0	72-135	1.02	20	WG494691
1,2-Dibromo-3-Chloropropane	mg/l	0.0298	0.0260	119.	55-134	13.6	20	WG494691
1,2-Dibromoethane	mg/l	0.0250	0.0219	100.	75-126	13.3	20	WG494691
1,2-Dichlorobenzene	mg/l	0.0252	0.0242	101.	75-122	4.16	20	WG494691
1,2-Dichloroethane	mg/l	0.0246	0.0224	98.0	63-137	9.40	20	WG494691
1,2-Dichloropropane	mg/l	0.0242	0.0229	97.0	74-122	5.49	20	WG494691
1,3,5-Trimethylbenzene	mg/l	0.0233	0.0225	93.0	73-134	3.65	20	WG494691
1,3-Dichlorobenzene	mg/l	0.0257	0.0247	103.	73-131	3.74	20	WG494691
1,3-Dichloropropane	mg/l	0.0246	0.0225	98.0	77-119	9.03	20	WG494691
1,4-Dichlorobenzene	mg/l	0.0240	0.0223	96.0	70-121	7.26	20	WG494691
2,2-Dichloropropane	mg/l	0.0246	0.0265	98.0	46-151	7.36	20	WG494691
2-Butanone (MEK)	mg/l	0.164	0.133	131.	53-132	20.9*	20	WG494691
2-Chloroethyl vinyl ether	mg/l	0.0712	0.0936	57.0	0-171	27.1*	27	WG494691
2-Chlorotoluene	mg/l	0.0246	0.0235	98.0	74-128	4.55	20	WG494691
4-Chlorotoluene	mg/l	0.0238	0.0225	95.0	74-130	5.35	20	WG494691
4-Methyl-2-pentanone (MIBK)	mg/l	0.147	0.128	118.	60-142	14.2	20	WG494691
Acetone	mg/l	0.156	0.132	125.	48-134	17.1	20	WG494691
Acrolein	mg/l	0.0976	0.0762	78.0	6-182	24.6	39	WG494691
Acrylonitrile	mg/l	0.153	0.131	122.	60-140	15.0	20	WG494691
Benzene	mg/l	0.0244	0.0229	98.0	67-126	6.51	20	WG494691
Bromobenzene	mg/l	0.0247	0.0235	99.0	76-123	5.14	20	WG494691
Bromodichloromethane	mg/l	0.0221	0.0205	88.0	68-133	7.90	20	WG494691
Bromoform	mg/l	0.0269	0.0235	108.	60-139	13.4	20	WG494691
Bromomethane	mg/l	0.0292	0.0276	117.	45-175	5.80	20	WG494691
Carbon tetrachloride	mg/l	0.0232	0.0225	93.0	64-141	3.12	20	WG494691
Chlorobenzene	mg/l	0.0251	0.0230	100.	77-125	8.78	20	WG494691
Chlorodibromomethane	mg/l	0.0223	0.0208	89.0	73-138	7.08	20	WG494691
Chloroethane	mg/l	0.0251	0.0233	100.	49-155	7.48	20	WG494691
Chloroform	mg/l	0.0237	0.0223	95.0	66-126	6.24	20	WG494691
Chloromethane	mg/l	0.0270	0.0255	108.	45-152	5.38	20	WG494691
cis-1,2-Dichloroethene	mg/l	0.0240	0.0228	96.0	72-128	5.26	20	WG494691
cis-1,3-Dichloropropene	mg/l	0.0232	0.0205	93.0	73-131	12.0	20	WG494691
Di-isopropyl ether	mg/l	0.0238	0.0222	95.0	63-139	6.92	20	WG494691
Dibromomethane	mg/l	0.0253	0.0224	101.	73-125	11.9	20	WG494691
Dichlorodifluoromethane	mg/l	0.0270	0.0263	108.	39-189	2.50	24	WG494691
Ethylbenzene	mg/l	0.0237	0.0225	95.0	76-129	5.53	20	WG494691
Hexachloro-1,3-butadiene	mg/l	0.0222	0.0231	89.0	67-135	4.16	20	WG494691
Isopropylbenzene	mg/l	0.0237	0.0231	95.0	73-132	2.53	20	WG494691
Methyl tert-butyl ether	mg/l	0.0284	0.0272	114.	51-142	4.21	20	WG494691
Methylene Chloride	mg/l	0.0232	0.0223	93.0	64-125	4.10	20	WG494691
n-Butylbenzene	mg/l	0.0231	0.0234	92.0	63-142	1.31	20	WG494691
n-Propylbenzene	mg/l	0.0246	0.0237	98.0	71-132	3.73	20	WG494691
Naphthalene	mg/l	0.0281	0.0258	112.	56-145	8.45	20	WG494691
p-Isopropyltoluene	mg/l	0.0245	0.0243	98.0	68-138	0.920	20	WG494691
sec-Butylbenzene	mg/l	0.0242	0.0243	97.0	70-135	0.390	20	WG494691
Styrene	mg/l	0.0222	0.0206	89.0	78-130	7.58	20	WG494691
tert-Butylbenzene	mg/l	0.0246	0.0240	98.0	72-134	2.37	20	WG494691

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Tetrachloroethene	mg/l	0.0235	0.0221	94.0	67-135	5.98	20	WG494691
Toluene	mg/l	0.0229	0.0214	92.0	72-122	6.73	20	WG494691
trans-1,2-Dichloroethene	mg/l	0.0234	0.0220	94.0	67-129	6.07	20	WG494691
trans-1,3-Dichloropropene	mg/l	0.0219	0.0200	88.0	66-137	9.07	20	WG494691
Trichloroethene	mg/l	0.0240	0.0230	96.0	74-126	4.24	20	WG494691
Trichlorofluoromethane	mg/l	0.0231	0.0238	92.0	54-156	3.00	20	WG494691
Vinyl chloride	mg/l	0.0244	0.0236	98.0	55-153	3.45	20	WG494691
Xylenes, Total	mg/l	0.0736	0.0698	98.0	75-128	5.28	20	WG494691
4-Bromofluorobenzene				106.0	75-128			WG494691
Dibromofluoromethane				107.8	79-125			WG494691
Toluene-d8				102.7	87-114			WG494691
1,1,1,2-Tetrachloroethane	mg/l	0.0283	0.0252	113.	75-134	11.9	20	WG494928
1,1,1-Trichloroethane	mg/l	0.0319	0.0337	128.	67-137	5.33	20	WG494928
1,1,2,2-Tetrachloroethane	mg/l	0.0337	0.0307	135*	72-128	9.32	20	WG494928
1,1,2-Trichloroethane	mg/l	0.0299	0.0269	119.	79-123	10.6	20	WG494928
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0314	0.0333	126.	51-149	5.66	20	WG494928
1,1-Dichloroethane	mg/l	0.0309	0.0328	124.	67-133	5.92	20	WG494928
1,1-Dichloroethene	mg/l	0.0293	0.0312	117.	60-130	6.30	20	WG494928
1,1-Dichloropropene	mg/l	0.0284	0.0298	114.	68-132	4.80	20	WG494928
1,2,3-Trichlorobenzene	mg/l	0.0291	0.0284	116.	63-138	2.48	20	WG494928
1,2,3-Trichloropropane	mg/l	0.0326	0.0302	130.	68-130	7.77	20	WG494928
1,2,3-Trimethylbenzene	mg/l	0.0257	0.0248	103.	70-127	3.67	20	WG494928
1,2,4-Trichlorobenzene	mg/l	0.0279	0.0273	112.	65-137	2.42	20	WG494928
1,2,4-Trimethylbenzene	mg/l	0.0295	0.0240	118.	72-135	20.8*	20	WG494928
1,2-Dibromo-3-Chloropropane	mg/l	0.0299	0.0319	120.	55-134	6.26	20	WG494928
1,2-Dibromoethane	mg/l	0.0282	0.0256	113.	75-126	9.62	20	WG494928
1,2-Dichlorobenzene	mg/l	0.0299	0.0292	119.	75-122	2.35	20	WG494928
1,2-Dichloroethane	mg/l	0.0301	0.0315	120.	63-137	4.66	20	WG494928
1,2-Dichloropropane	mg/l	0.0296	0.0286	118.	74-122	3.54	20	WG494928
1,3,5-Trimethylbenzene	mg/l	0.0289	0.0238	116.	73-134	19.3	20	WG494928
1,3-Dichlorobenzene	mg/l	0.0327	0.0263	131.	73-131	21.8*	20	WG494928
1,3-Dichloropropane	mg/l	0.0305	0.0270	122*	77-119	12.1	20	WG494928
1,4-Dichlorobenzene	mg/l	0.0279	0.0270	112.	70-121	3.53	20	WG494928
2,2-Dichloropropane	mg/l	0.0339	0.0358	136.	46-151	5.20	20	WG494928
2-Butanone (MEK)	mg/l	0.169	0.204	135*	53-132	18.4	20	WG494928
2-Chloroethyl vinyl ether	mg/l	0.0790	0.171	63.0	0-171	73.6*	27	WG494928
2-Chlorotoluene	mg/l	0.0317	0.0253	127.	74-128	22.4*	20	WG494928
4-Chlorotoluene	mg/l	0.0293	0.0244	117.	74-130	18.3	20	WG494928
4-Methyl-2-pentanone (MIBK)	mg/l	0.152	0.173	122.	60-142	12.7	20	WG494928
Acetone	mg/l	0.163	0.162	130.	48-134	0.500	20	WG494928
Acrolein	mg/l	0.101	0.0692	81.0	6-182	37.5	39	WG494928
Acrylonitrile	mg/l	0.160	0.194	128.	60-140	18.8	20	WG494928
Benzene	mg/l	0.0302	0.0309	121.	67-126	2.43	20	WG494928
Bromobenzene	mg/l	0.0299	0.0262	120.	76-123	13.2	20	WG494928
Bromodichloromethane	mg/l	0.0263	0.0273	105.	68-133	3.84	20	WG494928
Bromoform	mg/l	0.0290	0.0272	116.	60-139	6.64	20	WG494928
Bromomethane	mg/l	0.0325	0.0371	130.	45-175	13.4	20	WG494928
Carbon tetrachloride	mg/l	0.0289	0.0304	116.	64-141	5.12	20	WG494928
Chlorobenzene	mg/l	0.0304	0.0254	122.	77-125	18.1	20	WG494928
Chlorodibromomethane	mg/l	0.0281	0.0242	112.	73-138	14.9	20	WG494928
Chloroethane	mg/l	0.0267	0.0289	107.	49-155	7.85	20	WG494928
Chloroform	mg/l	0.0301	0.0309	120.	66-126	2.59	20	WG494928
Chloromethane	mg/l	0.0290	0.0296	116.	45-152	2.07	20	WG494928
cis-1,2-Dichloroethene	mg/l	0.0302	0.0310	121.	72-128	2.52	20	WG494928
cis-1,3-Dichloropropene	mg/l	0.0267	0.0267	107.	73-131	0.250	20	WG494928
Di-isopropyl ether	mg/l	0.0303	0.0311	121.	63-139	2.50	20	WG494928
Dibromomethane	mg/l	0.0276	0.0285	110.	73-125	3.13	20	WG494928

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Quality Assurance Report
Level II

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August 24, 2010

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Dichlorodifluoromethane	mg/l	0.0250	0.0286	100.	39-189	13.5	24	WG494928
Ethylbenzene	mg/l	0.0291	0.0238	116.	76-129	20.0*	20	WG494928
Hexachloro-1,3-butadiene	mg/l	0.0279	0.0268	111.	67-135	3.99	20	WG494928
Isopropylbenzene	mg/l	0.0300	0.0250	120.	73-132	17.9	20	WG494928
Methyl tert-butyl ether	mg/l	0.0348	0.0394	139.	51-142	12.5	20	WG494928
Methylene Chloride	mg/l	0.0283	0.0296	113.	64-125	4.44	20	WG494928
n-Butylbenzene	mg/l	0.0280	0.0271	112.	63-142	3.18	20	WG494928
n-Propylbenzene	mg/l	0.0312	0.0258	125.	71-132	19.0	20	WG494928
Naphthalene	mg/l	0.0327	0.0334	131.	56-145	2.17	20	WG494928
p-Isopropyltoluene	mg/l	0.0314	0.0256	126.	68-138	20.3*	20	WG494928
sec-Butylbenzene	mg/l	0.0313	0.0258	125.	70-135	19.4	20	WG494928
Styrene	mg/l	0.0266	0.0235	106.	78-130	12.2	20	WG494928
tert-Butylbenzene	mg/l	0.0312	0.0266	125.	72-134	16.0	20	WG494928
Tetrachloroethene	mg/l	0.0279	0.0238	111.	67-135	15.9	20	WG494928
Toluene	mg/l	0.0265	0.0264	106.	72-122	0.290	20	WG494928
trans-1,2-Dichloroethene	mg/l	0.0275	0.0286	110.	67-129	4.04	20	WG494928
trans-1,3-Dichloropropene	mg/l	0.0265	0.0249	106.	66-137	5.93	20	WG494928
Trichloroethene	mg/l	0.0263	0.0278	105.	74-126	5.53	20	WG494928
Trichlorofluoromethane	mg/l	0.0307	0.0302	123.	54-156	1.67	20	WG494928
Vinyl chloride	mg/l	0.0257	0.0273	103.	55-153	6.01	20	WG494928
Xylenes, Total	mg/l	0.0880	0.0751	117.	75-128	15.8	20	WG494928
4-Bromofluorobenzene				115.0	75-128			WG494928
Dibromofluoromethane				108.2	79-125			WG494928
Toluene-d8				102.3	87-114			WG494928
1,1,1,2-Tetrachloroethane	mg/l	0.0321	0.0318	128.	75-134	0.960	20	WG494840
1,1,1-Trichloroethane	mg/l	0.0267	0.0263	107.	67-137	1.57	20	WG494840
1,1,2,2-Tetrachloroethane	mg/l	0.0280	0.0253	112.	72-128	9.93	20	WG494840
1,1,2-Trichloroethane	mg/l	0.0281	0.0265	112.	79-123	5.85	20	WG494840
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0250	0.0246	100.	51-149	1.52	20	WG494840
1,1-Dichloroethane	mg/l	0.0234	0.0229	94.0	67-133	2.13	20	WG494840
1,1-Dichloroethene	mg/l	0.0229	0.0227	92.0	60-130	0.970	20	WG494840
1,1-Dichloropropene	mg/l	0.0234	0.0225	94.0	68-132	3.81	20	WG494840
1,2,3-Trichlorobenzene	mg/l	0.0303	0.0268	121.	63-138	12.5	20	WG494840
1,2,3-Trichloropropane	mg/l	0.0287	0.0258	115.	68-130	10.5	20	WG494840
1,2,3-Trimethylbenzene	mg/l	0.0270	0.0258	108.	70-127	4.82	20	WG494840
1,2,4-Trichlorobenzene	mg/l	0.0295	0.0268	118.	65-137	9.48	20	WG494840
1,2,4-Trimethylbenzene	mg/l	0.0282	0.0278	113.	72-135	1.56	20	WG494840
1,2-Dibromo-3-Chloropropane	mg/l	0.0303	0.0249	121.	55-134	19.8	20	WG494840
1,2-Dibromoethane	mg/l	0.0269	0.0249	107.	75-126	7.76	20	WG494840
1,2-Dichlorobenzene	mg/l	0.0288	0.0266	115.	75-122	7.90	20	WG494840
1,2-Dichloroethane	mg/l	0.0236	0.0225	94.0	63-137	4.88	20	WG494840
1,2-Dichloropropane	mg/l	0.0235	0.0224	94.0	74-122	5.04	20	WG494840
1,3,5-Trimethylbenzene	mg/l	0.0288	0.0282	115.	73-134	2.10	20	WG494840
1,3-Dichlorobenzene	mg/l	0.0304	0.0293	122.	73-131	3.72	20	WG494840
1,3-Dichloropropane	mg/l	0.0259	0.0237	104.	77-119	8.73	20	WG494840
1,4-Dichlorobenzene	mg/l	0.0282	0.0268	113.	70-121	5.34	20	WG494840
2,2-Dichloropropane	mg/l	0.0266	0.0264	106.	46-151	0.810	20	WG494840
2-Butanone (MEK)	mg/l	0.103	0.0930	82.0	53-132	10.3	20	WG494840
2-Chloroethyl vinyl ether	mg/l	0.0976	0.0877	78.0	0-171	10.7	27	WG494840
2-Chlorotoluene	mg/l	0.0291	0.0281	116.	74-128	3.44	20	WG494840
4-Chlorotoluene	mg/l	0.0282	0.0275	113.	74-130	2.39	20	WG494840
4-Methyl-2-pentanone (MIBK)	mg/l	0.108	0.0950	86.0	60-142	12.4	20	WG494840
Acetone	mg/l	0.114	0.105	91.0	48-134	8.13	20	WG494840
Acrolein	mg/l	0.0898	0.0836	72.0	6-182	7.22	39	WG494840
Acrylonitrile	mg/l	0.104	0.0928	83.0	60-140	11.5	20	WG494840
Benzene	mg/l	0.0220	0.0215	88.0	67-126	2.07	20	WG494840
Bromobenzene	mg/l	0.0275	0.0264	110.	76-123	4.35	20	WG494840

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Est. 1970

Withers & Ravenel Eng. - DSCA
Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bromodichloromethane	mg/l	0.0274	0.0268	109.	68-133	1.91	20	WG494840
Bromoform	mg/l	0.0330	0.0314	132.	60-139	4.91	20	WG494840
Bromomethane	mg/l	0.0313	0.0305	125.	45-175	2.42	20	WG494840
Carbon tetrachloride	mg/l	0.0268	0.0267	107.	64-141	0.420	20	WG494840
Chlorobenzene	mg/l	0.0279	0.0271	111.	77-125	2.95	20	WG494840
Chlorodibromomethane	mg/l	0.0316	0.0301	126.	73-138	5.09	20	WG494840
Chloroethane	mg/l	0.0260	0.0269	104.	49-155	3.67	20	WG494840
Chloroform	mg/l	0.0251	0.0248	100.	66-126	1.30	20	WG494840
Chloromethane	mg/l	0.0208	0.0212	83.0	45-152	2.18	20	WG494840
cis-1,2-Dichloroethene	mg/l	0.0245	0.0235	98.0	72-128	3.94	20	WG494840
cis-1,3-Dichloropropene	mg/l	0.0246	0.0235	98.0	73-131	4.63	20	WG494840
Di-isopropyl ether	mg/l	0.0209	0.0205	84.0	63-139	1.96	20	WG494840
Dibromomethane	mg/l	0.0254	0.0233	101.	73-125	8.57	20	WG494840
Dichlorodifluoromethane	mg/l	0.0284	0.0305	114.	39-189	6.98	24	WG494840
Ethylbenzene	mg/l	0.0268	0.0259	107.	76-129	3.20	20	WG494840
Hexachloro-1,3-butadiene	mg/l	0.0307	0.0280	123.	67-135	9.15	20	WG494840
Isopropylbenzene	mg/l	0.0286	0.0280	114.	73-132	2.17	20	WG494840
Methyl tert-butyl ether	mg/l	0.0217	0.0205	87.0	51-142	5.68	20	WG494840
Methylene Chloride	mg/l	0.0227	0.0221	91.0	64-125	2.65	20	WG494840
n-Butylbenzene	mg/l	0.0283	0.0268	113.	63-142	5.24	20	WG494840
n-Propylbenzene	mg/l	0.0280	0.0276	112.	71-132	1.30	20	WG494840
Naphthalene	mg/l	0.0254	0.0216	102.	56-145	16.4	20	WG494840
p-Isopropyltoluene	mg/l	0.0298	0.0293	119.	68-138	1.85	20	WG494840
sec-Butylbenzene	mg/l	0.0292	0.0286	117.	70-135	2.07	20	WG494840
Styrene	mg/l	0.0275	0.0270	110.	78-130	1.96	20	WG494840
tert-Butylbenzene	mg/l	0.0296	0.0290	118.	72-134	1.96	20	WG494840
Tetrachloroethene	mg/l	0.0294	0.0288	118.	67-135	2.08	20	WG494840
Toluene	mg/l	0.0243	0.0235	97.0	72-122	3.44	20	WG494840
trans-1,2-Dichloroethene	mg/l	0.0226	0.0223	90.0	67-129	1.43	20	WG494840
trans-1,3-Dichloropropene	mg/l	0.0252	0.0239	101.	66-137	5.27	20	WG494840
Trichloroethene	mg/l	0.0261	0.0260	104.	74-126	0.460	20	WG494840
Trichlorofluoromethane	mg/l	0.0294	0.0294	118.	54-156	0.0300	20	WG494840
Vinyl chloride	mg/l	0.0248	0.0253	99.0	55-153	2.07	20	WG494840
Xylenes, Total	mg/l	0.0812	0.0786	108.	75-128	3.21	20	WG494840
4-Bromofluorobenzene				97.04	75-128			WG494840
Dibromofluoromethane				95.37	79-125			WG494840
Toluene-d8				96.13	87-114			WG494840

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0211	0	.025	84.6	45-152	L475036-01	WG494692
1,1,1-Trichloroethane	mg/l	0.0192	0	.025	76.9	31-161	L475036-01	WG494692
1,1,2,2-Tetrachloroethane	mg/l	0.0227	0	.025	91.0	49-149	L475036-01	WG494692
1,1,2-Trichloroethane	mg/l	0.0217	0	.025	86.6	46-145	L475036-01	WG494692
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0224	0	.025	89.5	14-168	L475036-01	WG494692
1,1-Dichloroethane	mg/l	0.0202	0	.025	80.9	30-159	L475036-01	WG494692
1,1-Dichloroethene	mg/l	0.0205	0	.025	82.0	10-162	L475036-01	WG494692
1,1-Dichloropropene	mg/l	0.0209	0	.025	83.6	14-162	L475036-01	WG494692
1,2,3-Trichlorobenzene	mg/l	0.0212	0	.025	85.0	32-143	L475036-01	WG494692
1,2,3-Trichloropropane	mg/l	0.0216	0	.025	86.4	48-148	L475036-01	WG494692
1,2,3-Trimethylbenzene	mg/l	0.0215	0	.025	85.9	36-141	L475036-01	WG494692
1,2,4-Trichlorobenzene	mg/l	0.0235	0	.025	94.0	27-142	L475036-01	WG494692
1,2,4-Trimethylbenzene	mg/l	0.0227	0	.025	90.9	29-153	L475036-01	WG494692
1,2-Dibromo-3-Chloropropane	mg/l	0.0274	0	.025	110.	37-148	L475036-01	WG494692
1,2-Dibromoethane	mg/l	0.0226	0	.025	90.3	41-149	L475036-01	WG494692
1,2-Dichlorobenzene	mg/l	0.0224	0	.025	89.4	40-139	L475036-01	WG494692
1,2-Dichloroethane	mg/l	0.0191	0	.025	76.5	29-167	L475036-01	WG494692
1,2-Dichloropropane	mg/l	0.0204	0	.025	81.8	39-148	L475036-01	WG494692

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,3,5-Trimethylbenzene	mg/l	0.0224	0	.025	89.5	33-149	L475036-01	WG494692
1,3-Dichlorobenzene	mg/l	0.0224	0	.025	89.6	32-148	L475036-01	WG494692
1,3-Dichloropropane	mg/l	0.0216	0	.025	86.2	44-142	L475036-01	WG494692
1,4-Dichlorobenzene	mg/l	0.0209	0	.025	83.7	32-136	L475036-01	WG494692
2,2-Dichloropropane	mg/l	0.0202	0	.025	80.8	14-158	L475036-01	WG494692
2-Butanone (MEK)	mg/l	0.108	0	.125	86.3	32-151	L475036-01	WG494692
2-Chloroethyl vinyl ether	mg/l	0.0253	0	.125	20.2	0-175	L475036-01	WG494692
2-Chlorotoluene	mg/l	0.0218	0	.025	87.0	35-147	L475036-01	WG494692
4-Chlorotoluene	mg/l	0.0219	0	.025	87.6	33-147	L475036-01	WG494692
4-Methyl-2-pentanone (MIBK)	mg/l	0.126	0	.125	101.	40-160	L475036-01	WG494692
Acetone	mg/l	0.559	0.310	.125	199.*	25-157	L475036-01	WG494692
Acrylonitrile	mg/l	0.108	0	.125	86.4	37-162	L475036-01	WG494692
Benzene	mg/l	0.0198	0	.025	79.3	16-158	L475036-01	WG494692
Bromobenzene	mg/l	0.0214	0	.025	85.6	37-147	L475036-01	WG494692
Bromodichloromethane	mg/l	0.0204	0	.025	81.5	45-147	L475036-01	WG494692
Bromoform	mg/l	0.0233	0	.025	93.3	38-152	L475036-01	WG494692
Bromomethane	mg/l	0.0172	0	.025	68.7	0-191	L475036-01	WG494692
Carbon tetrachloride	mg/l	0.0193	0	.025	77.2	22-168	L475036-01	WG494692
Chlorobenzene	mg/l	0.0225	0	.025	90.0	33-148	L475036-01	WG494692
Chlorodibromomethane	mg/l	0.0210	0	.025	84.2	48-151	L475036-01	WG494692
Chloroethane	mg/l	0.0198	0	.025	79.2	4-176	L475036-01	WG494692
Chloroform	mg/l	0.0194	0	.025	77.6	37-147	L475036-01	WG494692
Chloromethane	mg/l	0.0203	0	.025	81.4	10-174	L475036-01	WG494692
cis-1,2-Dichloroethene	mg/l	0.0212	0	.025	84.7	29-156	L475036-01	WG494692
cis-1,3-Dichloropropene	mg/l	0.0214	0	.025	85.8	35-148	L475036-01	WG494692
Di-isopropyl ether	mg/l	0.0191	0	.025	76.2	39-160	L475036-01	WG494692
Dibromomethane	mg/l	0.0211	0	.025	84.3	36-152	L475036-01	WG494692
Dichlorodifluoromethane	mg/l	0.0231	0	.025	92.3	0-200	L475036-01	WG494692
Ethylbenzene	mg/l	0.0230	0	.025	91.8	29-150	L475036-01	WG494692
Hexachloro-1,3-butadiene	mg/l	0.0234	0	.025	93.5	28-144	L475036-01	WG494692
Isopropylbenzene	mg/l	0.0233	0	.025	93.1	35-147	L475036-01	WG494692
Methyl tert-butyl ether	mg/l	0.0212	0	.025	85.0	24-167	L475036-01	WG494692
Methylene Chloride	mg/l	0.0192	0	.025	76.7	23-151	L475036-01	WG494692
n-Butylbenzene	mg/l	0.0236	0	.025	94.4	22-151	L475036-01	WG494692
n-Propylbenzene	mg/l	0.0226	0	.025	90.2	26-150	L475036-01	WG494692
Naphthalene	mg/l	0.0233	0	.025	93.1	24-160	L475036-01	WG494692
p-Isopropyltoluene	mg/l	0.0212	0	.025	84.9	28-151	L475036-01	WG494692
sec-Butylbenzene	mg/l	0.0231	0	.025	92.2	32-149	L475036-01	WG494692
Styrene	mg/l	0.0207	0	.025	83.0	38-149	L475036-01	WG494692
tert-Butylbenzene	mg/l	0.0231	0	.025	92.5	36-149	L475036-01	WG494692
Tetrachloroethene	mg/l	0.0236	0	.025	94.4	13-157	L475036-01	WG494692
Toluene	mg/l	0.0201	0	.025	80.2	22-152	L475036-01	WG494692
trans-1,2-Dichloroethene	mg/l	0.0218	0	.025	87.2	11-160	L475036-01	WG494692
trans-1,3-Dichloropropene	mg/l	0.0197	0	.025	78.9	33-153	L475036-01	WG494692
Trichloroethene	mg/l	0.0219	0	.025	87.4	18-163	L475036-01	WG494692
Trichlorofluoromethane	mg/l	0.0177	0	.025	70.6	10-177	L475036-01	WG494692
Vinyl chloride	mg/l	0.0207	0	.025	82.7	0-179	L475036-01	WG494692
Xylenes, Total	mg/l	0.0689	0	.075	91.9	27-151	L475036-01	WG494692
4-Bromofluorobenzene					104.7	75-128		WG494692
Dibromofluoromethane					94.48	79-125		WG494692
Toluene-d8					103.7	87-114		WG494692
1,1,1,2-Tetrachloroethane	mg/l	0.0196	0	.025	78.6	45-152	L475017-04	WG494691
1,1,1-Trichloroethane	mg/l	0.0190	0	.025	76.0	31-161	L475017-04	WG494691
1,1,2,2-Tetrachloroethane	mg/l	0.0253	0	.025	101.	49-149	L475017-04	WG494691
1,1,2-Trichloroethane	mg/l	0.0215	0	.025	86.2	46-145	L475017-04	WG494691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0163	0	.025	65.3	14-168	L475017-04	WG494691
1,1-Dichloroethane	mg/l	0.0199	0	.025	79.6	30-159	L475017-04	WG494691

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.0169	0	.025	67.6	10-162	L475017-04	WG494691
1,1-Dichloropropene	mg/l	0.0162	0	.025	64.7	14-162	L475017-04	WG494691
1,2,3-Trichlorobenzene	mg/l	0.0186	0	.025	74.5	32-143	L475017-04	WG494691
1,2,3-Trichloropropane	mg/l	0.0251	0	.025	100.	48-148	L475017-04	WG494691
1,2,3-Trimethylbenzene	mg/l	0.0173	0	.025	69.2	36-141	L475017-04	WG494691
1,2,4-Trichlorobenzene	mg/l	0.0162	0	.025	64.7	27-142	L475017-04	WG494691
1,2,4-Trimethylbenzene	mg/l	0.0193	0	.025	77.2	29-153	L475017-04	WG494691
1,2-Dibromo-3-Chloropropane	mg/l	0.0217	0	.025	86.6	37-148	L475017-04	WG494691
1,2-Dibromoethane	mg/l	0.0205	0	.025	82.0	41-149	L475017-04	WG494691
1,2-Dichlorobenzene	mg/l	0.0202	0	.025	80.9	40-139	L475017-04	WG494691
1,2-Dichloroethane	mg/l	0.0201	0	.025	80.5	29-167	L475017-04	WG494691
1,2-Dichloropropane	mg/l	0.0204	0	.025	81.5	39-148	L475017-04	WG494691
1,3,5-Trimethylbenzene	mg/l	0.0188	0	.025	75.2	33-149	L475017-04	WG494691
1,3-Dichlorobenzene	mg/l	0.0214	0	.025	85.7	32-148	L475017-04	WG494691
1,3-Dichloropropane	mg/l	0.0208	0	.025	83.0	44-142	L475017-04	WG494691
1,4-Dichlorobenzene	mg/l	0.0174	0	.025	69.7	32-136	L475017-04	WG494691
2,2-Dichloropropane	mg/l	0.0179	0	.025	71.6	14-158	L475017-04	WG494691
2-Butanone (MEK)	mg/l	0.127	0	.125	101.	32-151	L475017-04	WG494691
2-Chloroethyl vinyl ether	mg/l	0	0	.125	0	0-175	L475017-04	WG494691
2-Chlorotoluene	mg/l	0.0203	0	.025	81.4	35-147	L475017-04	WG494691
4-Chlorotoluene	mg/l	0.0197	0	.025	78.8	33-147	L475017-04	WG494691
4-Methyl-2-pentanone (MIBK)	mg/l	0.122	0	.125	98.0	40-160	L475017-04	WG494691
Acetone	mg/l	0.114	0	.125	91.3	25-157	L475017-04	WG494691
Acrolein	mg/l	0.0362	0	.125	29.0	0-179	L475017-04	WG494691
Acrylonitrile	mg/l	0.116	0	.125	93.1	37-162	L475017-04	WG494691
Benzene	mg/l	0.0182	0	.025	73.0	16-158	L475017-04	WG494691
Bromobenzene	mg/l	0.0214	0	.025	85.5	37-147	L475017-04	WG494691
Bromodichloromethane	mg/l	0.0198	0	.025	79.0	45-147	L475017-04	WG494691
Bromoform	mg/l	0.0232	0	.025	92.6	38-152	L475017-04	WG494691
Bromomethane	mg/l	0.0216	0	.025	86.2	0-191	L475017-04	WG494691
Carbon tetrachloride	mg/l	0.0175	0	.025	69.9	22-168	L475017-04	WG494691
Chlorobenzene	mg/l	0.0209	0	.025	83.8	33-148	L475017-04	WG494691
Chlorodibromomethane	mg/l	0.0207	0	.025	82.9	48-151	L475017-04	WG494691
Chloroethane	mg/l	0.0173	0	.025	69.4	4-176	L475017-04	WG494691
Chloroform	mg/l	0.0197	0	.025	79.0	37-147	L475017-04	WG494691
Chloromethane	mg/l	0.0170	0	.025	67.9	10-174	L475017-04	WG494691
cis-1,2-Dichloroethene	mg/l	0.0195	0	.025	78.1	29-156	L475017-04	WG494691
cis-1,3-Dichloropropene	mg/l	0.0190	0	.025	75.9	35-148	L475017-04	WG494691
Di-isopropyl ether	mg/l	0.0203	0	.025	81.2	39-160	L475017-04	WG494691
Dibromomethane	mg/l	0.0207	0	.025	82.8	36-152	L475017-04	WG494691
Dichlorodifluoromethane	mg/l	0.0158	0	.025	63.0	0-200	L475017-04	WG494691
Ethylbenzene	mg/l	0.0191	0	.025	76.3	29-150	L475017-04	WG494691
Hexachloro-1,3-butadiene	mg/l	0.0167	0	.025	66.8	28-144	L475017-04	WG494691
Isopropylbenzene	mg/l	0.0178	0	.025	71.3	35-147	L475017-04	WG494691
Methyl tert-butyl ether	mg/l	0.0247	0	.025	98.7	24-167	L475017-04	WG494691
Methylene Chloride	mg/l	0.0186	0	.025	74.4	23-151	L475017-04	WG494691
n-Butylbenzene	mg/l	0.0159	0	.025	63.5	22-151	L475017-04	WG494691
n-Propylbenzene	mg/l	0.0195	0	.025	77.9	26-150	L475017-04	WG494691
Naphthalene	mg/l	0.0225	0	.025	89.8	24-160	L475017-04	WG494691
p-Isopropyltoluene	mg/l	0.0192	0	.025	77.0	28-151	L475017-04	WG494691
sec-Butylbenzene	mg/l	0.0195	0	.025	77.8	32-149	L475017-04	WG494691
Styrene	mg/l	0.0208	0	.025	83.3	38-149	L475017-04	WG494691
tert-Butylbenzene	mg/l	0.0199	0	.025	79.5	36-149	L475017-04	WG494691
Tetrachloroethene	mg/l	0.0236	0.00880	.025	59.2	13-157	L475017-04	WG494691
Toluene	mg/l	0.0176	0	.025	70.5	22-152	L475017-04	WG494691
trans-1,2-Dichloroethene	mg/l	0.0163	0	.025	65.3	11-160	L475017-04	WG494691
trans-1,3-Dichloropropene	mg/l	0.0179	0	.025	71.7	33-153	L475017-04	WG494691
Trichloroethene	mg/l	0.0180	0	.025	72.0	18-163	L475017-04	WG494691
Trichlorofluoromethane	mg/l	0.0163	0	.025	65.1	10-177	L475017-04	WG494691

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Est. 1970

Withers & Ravenel Eng. - DSCA
Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Vinyl chloride	mg/l	0.0162	0	.025	64.8	0-179	L475017-04	WG494691
Xylenes, Total	mg/l	0.0591	0	.075	78.7	27-151	L475017-04	WG494691
4-Bromofluorobenzene					111.0	75-128		WG494691
Dibromofluoromethane					108.1	79-125		WG494691
Toluene-d8					102.9	87-114		WG494691
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0	.025	95.7	45-152	L474775-20	WG494928
1,1,1-Trichloroethane	mg/l	0.0282	0	.025	113.	31-161	L474775-20	WG494928
1,1,2,2-Tetrachloroethane	mg/l	0.0310	0	.025	124.	49-149	L474775-20	WG494928
1,1,2-Trichloroethane	mg/l	0.0247	0	.025	98.7	46-145	L474775-20	WG494928
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0296	0	.025	118.	14-168	L474775-20	WG494928
1,1-Dichloroethane	mg/l	0.0276	0	.025	110.	30-159	L474775-20	WG494928
1,1-Dichloroethene	mg/l	0.0290	0.00230	.025	107.	10-162	L474775-20	WG494928
1,1-Dichloropropene	mg/l	0.0248	0	.025	99.1	14-162	L474775-20	WG494928
1,2,3-Trichlorobenzene	mg/l	0.0229	0	.025	91.8	32-143	L474775-20	WG494928
1,2,3-Trichloropropane	mg/l	0.0290	0	.025	116.	48-148	L474775-20	WG494928
1,2,3-Trimethylbenzene	mg/l	0.0213	0	.025	85.3	36-141	L474775-20	WG494928
1,2,4-Trichlorobenzene	mg/l	0.0227	0	.025	90.8	27-142	L474775-20	WG494928
1,2,4-Trimethylbenzene	mg/l	0.0243	0	.025	97.1	29-153	L474775-20	WG494928
1,2-Dibromo-3-Chloropropane	mg/l	0.0285	0	.025	114.	37-148	L474775-20	WG494928
1,2-Dibromoethane	mg/l	0.0239	0	.025	95.5	41-149	L474775-20	WG494928
1,2-Dichlorobenzene	mg/l	0.0257	0	.025	103.	40-139	L474775-20	WG494928
1,2-Dichloroethane	mg/l	0.0266	0	.025	106.	29-167	L474775-20	WG494928
1,2-Dichloropropane	mg/l	0.0245	0	.025	97.8	39-148	L474775-20	WG494928
1,3,5-Trimethylbenzene	mg/l	0.0236	0	.025	94.2	33-149	L474775-20	WG494928
1,3-Dichlorobenzene	mg/l	0.0263	0	.025	105.	32-148	L474775-20	WG494928
1,3-Dichloropropane	mg/l	0.0250	0	.025	100.	44-142	L474775-20	WG494928
1,4-Dichlorobenzene	mg/l	0.0237	0	.025	94.8	32-136	L474775-20	WG494928
2,2-Dichloropropane	mg/l	0.0302	0	.025	121.	14-158	L474775-20	WG494928
2-Butanone (MEK)	mg/l	0.172	0	.125	138.	32-151	L474775-20	WG494928
2-Chloroethyl vinyl ether	mg/l	0.00390	0	.125	3.12	0-175	L474775-20	WG494928
2-Chlorotoluene	mg/l	0.0248	0	.025	99.3	35-147	L474775-20	WG494928
4-Chlorotoluene	mg/l	0.0237	0	.025	94.7	33-147	L474775-20	WG494928
4-Methyl-2-pentanone (MIBK)	mg/l	0.135	0	.125	108.	40-160	L474775-20	WG494928
Acetone	mg/l	0.146	0	.125	117.	25-157	L474775-20	WG494928
Acrolein	mg/l	0.0915	0	.125	73.2	0-179	L474775-20	WG494928
Acrylonitrile	mg/l	0.171	0	.125	137.	37-162	L474775-20	WG494928
Benzene	mg/l	0.0260	0	.025	104.	16-158	L474775-20	WG494928
Bromobenzene	mg/l	0.0248	0	.025	99.2	37-147	L474775-20	WG494928
Bromodichloromethane	mg/l	0.0231	0	.025	92.5	45-147	L474775-20	WG494928
Bromoform	mg/l	0.0259	0	.025	103.	38-152	L474775-20	WG494928
Bromomethane	mg/l	0.0311	0	.025	124.	0-191	L474775-20	WG494928
Carbon tetrachloride	mg/l	0.0256	0	.025	102.	22-168	L474775-20	WG494928
Chlorobenzene	mg/l	0.0245	0	.025	98.1	33-148	L474775-20	WG494928
Chlorodibromomethane	mg/l	0.0230	0	.025	91.9	48-151	L474775-20	WG494928
Chloroethane	mg/l	0.0251	0	.025	100.	4-176	L474775-20	WG494928
Chloroform	mg/l	0.0295	0	.025	118.	37-147	L474775-20	WG494928
Chloromethane	mg/l	0.0270	0	.025	108.	10-174	L474775-20	WG494928
cis-1,2-Dichloroethene	mg/l	0.0666	0.0420	.025	98.3	29-156	L474775-20	WG494928
cis-1,3-Dichloropropene	mg/l	0.0234	0	.025	93.4	35-148	L474775-20	WG494928
Di-isopropyl ether	mg/l	0.0276	0	.025	110.	39-160	L474775-20	WG494928
Dibromomethane	mg/l	0.0249	0	.025	99.5	36-152	L474775-20	WG494928
Dichlorodifluoromethane	mg/l	0.0278	0	.025	111.	0-200	L474775-20	WG494928
Ethylbenzene	mg/l	0.0242	0	.025	96.8	29-150	L474775-20	WG494928
Hexachloro-1,3-butadiene	mg/l	0.0214	0	.025	85.6	28-144	L474775-20	WG494928
Isopropylbenzene	mg/l	0.0245	0	.025	98.1	35-147	L474775-20	WG494928
Methyl tert-butyl ether	mg/l	0.0339	0	.025	136.	24-167	L474775-20	WG494928
Methylene Chloride	mg/l	0.0269	0	.025	108.	23-151	L474775-20	WG494928

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
n-Butylbenzene	mg/l	0.0235	0	.025	94.1	22-151	L474775-20	WG494928
n-Propylbenzene	mg/l	0.0253	0	.025	101.	26-150	L474775-20	WG494928
Naphthalene	mg/l	0.0273	0	.025	109.	24-160	L474775-20	WG494928
p-Isopropyltoluene	mg/l	0.0252	0	.025	101.	28-151	L474775-20	WG494928
sec-Butylbenzene	mg/l	0.0249	0	.025	99.5	32-149	L474775-20	WG494928
Styrene	mg/l	0.0218	0	.025	87.2	38-149	L474775-20	WG494928
tert-Butylbenzene	mg/l	0.0257	0	.025	103.	36-149	L474775-20	WG494928
Tetrachloroethene	mg/l	0.808	0.830	.025	0*	13-157	L474775-20	WG494928
Toluene	mg/l	0.0227	0	.025	90.8	22-152	L474775-20	WG494928
trans-1,2-Dichloroethene	mg/l	0.0246	0	.025	98.3	11-160	L474775-20	WG494928
trans-1,3-Dichloropropene	mg/l	0.0200	0	.025	80.0	33-153	L474775-20	WG494928
Trichloroethene	mg/l	0.0669	0.0440	.025	91.7	18-163	L474775-20	WG494928
Trichlorofluoromethane	mg/l	0.0263	0	.025	105.	10-177	L474775-20	WG494928
Vinyl chloride	mg/l	0.0251	0	.025	100.	0-179	L474775-20	WG494928
Xylenes, Total	mg/l	0.0720	0	.075	96.0	27-151	L474775-20	WG494928
4-Bromofluorobenzene					110.8	75-128		WG494928
Dibromofluoromethane					114.2	79-125		WG494928
Toluene-d8					104.1	87-114		WG494928
1,1,1,2-Tetrachloroethane	mg/l	0.0281	0	.025	112.	45-152	L474237-01	WG494840
1,1,1-Trichloroethane	mg/l	0.0224	0	.025	89.7	31-161	L474237-01	WG494840
1,1,2,2-Tetrachloroethane	mg/l	0.0242	0	.025	96.8	49-149	L474237-01	WG494840
1,1,2-Trichloroethane	mg/l	0.0239	0	.025	95.4	46-145	L474237-01	WG494840
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0210	0	.025	83.9	14-168	L474237-01	WG494840
1,1-Dichloroethane	mg/l	0.0198	0	.025	79.0	30-159	L474237-01	WG494840
1,1-Dichloroethene	mg/l	0.0200	0	.025	79.9	10-162	L474237-01	WG494840
1,1-Dichloropropene	mg/l	0.0195	0	.025	77.9	14-162	L474237-01	WG494840
1,2,3-Trichlorobenzene	mg/l	0.0252	0	.025	101.	32-143	L474237-01	WG494840
1,2,3-Trichloropropane	mg/l	0.0239	0	.025	95.4	48-148	L474237-01	WG494840
1,2,3-Trimethylbenzene	mg/l	0.0241	0	.025	96.4	36-141	L474237-01	WG494840
1,2,4-Trichlorobenzene	mg/l	0.0241	0	.025	96.5	27-142	L474237-01	WG494840
1,2,4-Trimethylbenzene	mg/l	0.0251	0	.025	100.	29-153	L474237-01	WG494840
1,2-Dibromo-3-Chloropropane	mg/l	0.0256	0	.025	102.	37-148	L474237-01	WG494840
1,2-Dibromoethane	mg/l	0.0231	0	.025	92.3	41-149	L474237-01	WG494840
1,2-Dichlorobenzene	mg/l	0.0251	0	.025	100.	40-139	L474237-01	WG494840
1,2-Dichloroethane	mg/l	0.0203	0	.025	81.2	29-167	L474237-01	WG494840
1,2-Dichloropropane	mg/l	0.0194	0	.025	77.6	39-148	L474237-01	WG494840
1,3,5-Trimethylbenzene	mg/l	0.0246	0	.025	98.4	33-149	L474237-01	WG494840
1,3-Dichlorobenzene	mg/l	0.0261	0	.025	104.	32-148	L474237-01	WG494840
1,3-Dichloropropane	mg/l	0.0224	0	.025	89.5	44-142	L474237-01	WG494840
1,4-Dichlorobenzene	mg/l	0.0248	0	.025	99.2	32-136	L474237-01	WG494840
2,2-Dichloropropane	mg/l	0.0221	0	.025	88.5	14-158	L474237-01	WG494840
2-Butanone (MEK)	mg/l	0.106	0.0260	.125	64.3	32-151	L474237-01	WG494840
2-Chloroethyl vinyl ether	mg/l	0	0	.125	0	0-175	L474237-01	WG494840
2-Chlorotoluene	mg/l	0.0249	0	.025	99.6	35-147	L474237-01	WG494840
4-Chlorotoluene	mg/l	0.0247	0	.025	98.8	33-147	L474237-01	WG494840
4-Methyl-2-pentanone (MIBK)	mg/l	0.0872	0	.125	69.8	40-160	L474237-01	WG494840
Acetone	mg/l	0.105	0	.125	83.6	25-157	L474237-01	WG494840
Acrolein	mg/l	0.0749	0	.125	59.9	0-179	L474237-01	WG494840
Acrylonitrile	mg/l	0.0867	0	.125	69.4	37-162	L474237-01	WG494840
Benzene	mg/l	0.0191	0	.025	76.4	16-158	L474237-01	WG494840
Bromobenzene	mg/l	0.0237	0	.025	94.8	37-147	L474237-01	WG494840
Bromodichloromethane	mg/l	0.0227	0	.025	90.9	45-147	L474237-01	WG494840
Bromoform	mg/l	0.0275	0	.025	110.	38-152	L474237-01	WG494840
Bromomethane	mg/l	0.0258	0	.025	103.	0-191	L474237-01	WG494840
Carbon tetrachloride	mg/l	0.0228	0	.025	91.0	22-168	L474237-01	WG494840
Chlorobenzene	mg/l	0.0247	0	.025	98.6	33-148	L474237-01	WG494840
Chlorodibromomethane	mg/l	0.0279	0	.025	111.	48-151	L474237-01	WG494840

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloroethane	mg/l	0.0220	0	.025	88.1	4-176	L474237-01	WG494840
Chloroform	mg/l	0.0219	0	.025	87.7	37-147	L474237-01	WG494840
Chloromethane	mg/l	0.0176	0	.025	70.2	10-174	L474237-01	WG494840
cis-1,2-Dichloroethene	mg/l	0.148	0.130	.025	72.6	29-156	L474237-01	WG494840
cis-1,3-Dichloropropene	mg/l	0.0194	0	.025	77.7	35-148	L474237-01	WG494840
Di-isopropyl ether	mg/l	0.0180	0	.025	71.8	39-160	L474237-01	WG494840
Dibromomethane	mg/l	0.0205	0	.025	82.1	36-152	L474237-01	WG494840
Dichlorodifluoromethane	mg/l	0.0219	0	.025	87.7	0-200	L474237-01	WG494840
Ethylbenzene	mg/l	0.0234	0	.025	93.8	29-150	L474237-01	WG494840
Hexachloro-1,3-butadiene	mg/l	0.0256	0	.025	102.	28-144	L474237-01	WG494840
Isopropylbenzene	mg/l	0.0248	0	.025	99.0	35-147	L474237-01	WG494840
Methyl tert-butyl ether	mg/l	0.0186	0	.025	74.4	24-167	L474237-01	WG494840
Methylene Chloride	mg/l	0.0195	0	.025	77.9	23-151	L474237-01	WG494840
n-Butylbenzene	mg/l	0.0245	0	.025	98.0	22-151	L474237-01	WG494840
n-Propylbenzene	mg/l	0.0242	0	.025	96.9	26-150	L474237-01	WG494840
Naphthalene	mg/l	0.0210	0	.025	83.9	24-160	L474237-01	WG494840
p-Isopropyltoluene	mg/l	0.0260	0	.025	104.	28-151	L474237-01	WG494840
sec-Butylbenzene	mg/l	0.0256	0	.025	102.	32-149	L474237-01	WG494840
Styrene	mg/l	0.0242	0	.025	96.7	38-149	L474237-01	WG494840
tert-Butylbenzene	mg/l	0.0259	0	.025	104.	36-149	L474237-01	WG494840
Tetrachloroethene	mg/l	0.0774	0.0490	.025	114.	13-157	L474237-01	WG494840
Toluene	mg/l	0.0203	0	.025	81.2	22-152	L474237-01	WG494840
trans-1,2-Dichloroethene	mg/l	0.0201	0	.025	80.6	11-160	L474237-01	WG494840
trans-1,3-Dichloropropene	mg/l	0.0209	0	.025	83.6	33-153	L474237-01	WG494840
Trichloroethene	mg/l	0.136	0.110	.025	106.	18-163	L474237-01	WG494840
Trichlorofluoromethane	mg/l	0.0235	0	.025	94.1	10-177	L474237-01	WG494840
Vinyl chloride	mg/l	0.0222	0.00120	.025	83.8	0-179	L474237-01	WG494840
Xylenes, Total	mg/l	0.0703	0	.075	93.7	27-151	L474237-01	WG494840
4-Bromofluorobenzene					95.17	75-128		WG494840
Dibromofluoromethane					94.87	79-125		WG494840
Toluene-d8					91.96	87-114		WG494840

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0242	0.0211	96.8	45-152	13.5	21	L475036-01	WG494692
1,1,1-Trichloroethane	mg/l	0.0211	0.0192	84.3	31-161	9.18	23	L475036-01	WG494692
1,1,2,2-Tetrachloroethane	mg/l	0.0262	0.0227	105.	49-149	14.3	22	L475036-01	WG494692
1,1,2-Trichloroethane	mg/l	0.0251	0.0217	100.	46-145	14.8	20	L475036-01	WG494692
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0244	0.0224	97.8	14-168	8.81	24	L475036-01	WG494692
1,1-Dichloroethane	mg/l	0.0224	0.0202	89.7	30-159	10.4	21	L475036-01	WG494692
1,1-Dichloroethene	mg/l	0.0226	0.0205	90.3	10-162	9.70	23	L475036-01	WG494692
1,1-Dichloropropene	mg/l	0.0233	0.0209	93.3	14-162	10.9	23	L475036-01	WG494692
1,2,3-Trichlorobenzene	mg/l	0.0248	0.0212	99.0	32-143	15.3	33	L475036-01	WG494692
1,2,3-Trichloropropane	mg/l	0.0256	0.0216	102.	48-148	17.0	23	L475036-01	WG494692
1,2,3-Trimethylbenzene	mg/l	0.0239	0.0215	95.5	36-141	10.6	25	L475036-01	WG494692
1,2,4-Trichlorobenzene	mg/l	0.0266	0.0235	106.	27-142	12.4	30	L475036-01	WG494692
1,2,4-Trimethylbenzene	mg/l	0.0261	0.0227	104.	29-153	13.9	27	L475036-01	WG494692
1,2-Dibromo-3-Chloropropane	mg/l	0.0310	0.0274	124.	37-148	12.2	27	L475036-01	WG494692
1,2-Dibromoethane	mg/l	0.0257	0.0226	103.	41-149	12.8	21	L475036-01	WG494692
1,2-Dichlorobenzene	mg/l	0.0249	0.0224	99.6	40-139	10.8	23	L475036-01	WG494692
1,2-Dichloroethane	mg/l	0.0208	0.0191	83.1	29-167	8.21	21	L475036-01	WG494692
1,2-Dichloropropane	mg/l	0.0232	0.0204	92.6	39-148	12.4	20	L475036-01	WG494692
1,3,5-Trimethylbenzene	mg/l	0.0257	0.0224	103.	33-149	13.8	26	L475036-01	WG494692
1,3-Dichlorobenzene	mg/l	0.0260	0.0224	104.	32-148	15.0	24	L475036-01	WG494692
1,3-Dichloropropane	mg/l	0.0244	0.0216	97.6	44-142	12.4	20	L475036-01	WG494692
1,4-Dichlorobenzene	mg/l	0.0233	0.0209	93.1	32-136	10.6	23	L475036-01	WG494692
2,2-Dichloropropane	mg/l	0.0223	0.0202	89.4	14-158	9.99	23	L475036-01	WG494692
2-Butanone (MEK)	mg/l	0.121	0.108	96.7	32-151	11.4	26	L475036-01	WG494692

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Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
2-Chloroethyl vinyl ether	mg/l	0.00285	0.0253	2.28	0-175	159.*	75	L475036-01	WG494692
2-Chlorotoluene	mg/l	0.0251	0.0218	100.	35-147	14.3	24	L475036-01	WG494692
4-Chlorotoluene	mg/l	0.0253	0.0219	101.	33-147	14.5	25	L475036-01	WG494692
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0.126	115.	40-160	13.6	28	L475036-01	WG494692
Acetone	mg/l	0.639	0.559	263.*	25-157	13.4	26	L475036-01	WG494692
Acrylonitrile	mg/l	0.120	0.108	96.3	37-162	10.9	24	L475036-01	WG494692
Benzene	mg/l	0.0218	0.0198	87.3	16-158	9.64	21	L475036-01	WG494692
Bromobenzene	mg/l	0.0242	0.0214	96.6	37-147	12.2	23	L475036-01	WG494692
Bromodichloromethane	mg/l	0.0228	0.0204	91.1	45-147	11.2	20	L475036-01	WG494692
Bromoform	mg/l	0.0264	0.0233	105.	38-152	12.2	20	L475036-01	WG494692
Bromomethane	mg/l	0.0195	0.0172	78.1	0-191	12.9	35	L475036-01	WG494692
Carbon tetrachloride	mg/l	0.0213	0.0193	85.1	22-168	9.72	24	L475036-01	WG494692
Chlorobenzene	mg/l	0.0256	0.0225	102.	33-148	13.0	22	L475036-01	WG494692
Chlorodibromomethane	mg/l	0.0239	0.0210	95.6	48-151	12.7	21	L475036-01	WG494692
Chloroethane	mg/l	0.0223	0.0198	89.1	4-176	11.7	27	L475036-01	WG494692
Chloroform	mg/l	0.0213	0.0194	85.4	37-147	9.59	21	L475036-01	WG494692
Chloromethane	mg/l	0.0225	0.0203	90.1	10-174	10.2	28	L475036-01	WG494692
cis-1,2-Dichloroethene	mg/l	0.0231	0.0212	92.3	29-156	8.59	22	L475036-01	WG494692
cis-1,3-Dichloropropene	mg/l	0.0231	0.0214	92.5	35-148	7.54	21	L475036-01	WG494692
Di-isopropyl ether	mg/l	0.0206	0.0191	82.4	39-160	7.85	21	L475036-01	WG494692
Dibromomethane	mg/l	0.0234	0.0211	93.7	36-152	10.6	20	L475036-01	WG494692
Dichlorodifluoromethane	mg/l	0.0256	0.0231	102.	0-200	10.5	26	L475036-01	WG494692
Ethylbenzene	mg/l	0.0265	0.0230	106.	29-150	14.3	24	L475036-01	WG494692
Hexachloro-1,3-butadiene	mg/l	0.0273	0.0234	109.	28-144	15.6	33	L475036-01	WG494692
Isopropylbenzene	mg/l	0.0268	0.0233	107.	35-147	14.1	25	L475036-01	WG494692
Methyl tert-butyl ether	mg/l	0.0234	0.0212	93.4	24-167	9.47	22	L475036-01	WG494692
Methylene Chloride	mg/l	0.0210	0.0192	84.1	23-151	9.13	21	L475036-01	WG494692
n-Butylbenzene	mg/l	0.0267	0.0236	107.	22-151	12.5	29	L475036-01	WG494692
n-Propylbenzene	mg/l	0.0259	0.0226	103.	26-150	13.7	25	L475036-01	WG494692
Naphthalene	mg/l	0.0268	0.0233	107.	24-160	14.0	37	L475036-01	WG494692
p-Isopropyltoluene	mg/l	0.0246	0.0212	98.2	28-151	14.5	27	L475036-01	WG494692
sec-Butylbenzene	mg/l	0.0269	0.0231	108.	32-149	15.6	26	L475036-01	WG494692
Styrene	mg/l	0.0236	0.0207	94.5	38-149	13.0	23	L475036-01	WG494692
tert-Butylbenzene	mg/l	0.0269	0.0231	108.	36-149	15.1	26	L475036-01	WG494692
Tetrachloroethene	mg/l	0.0271	0.0236	108.	13-157	13.7	24	L475036-01	WG494692
Toluene	mg/l	0.0223	0.0201	89.1	22-152	10.5	22	L475036-01	WG494692
trans-1,2-Dichloroethene	mg/l	0.0234	0.0218	93.5	11-160	6.92	23	L475036-01	WG494692
trans-1,3-Dichloropropene	mg/l	0.0222	0.0197	88.9	33-153	11.9	22	L475036-01	WG494692
Trichloroethene	mg/l	0.0246	0.0219	98.5	18-163	11.9	21	L475036-01	WG494692
Trichlorofluoromethane	mg/l	0.0189	0.0177	75.8	10-177	7.02	24	L475036-01	WG494692
Vinyl chloride	mg/l	0.0228	0.0207	91.1	0-179	9.72	26	L475036-01	WG494692
Xylenes, Total	mg/l	0.0785	0.0689	105.	27-151	13.1	23	L475036-01	WG494692
4-Bromofluorobenzene				107.8	75-128				WG494692
Dibromofluoromethane				91.35	79-125				WG494692
Toluene-d8				103.9	87-114				WG494692
1,1,1,2-Tetrachloroethane	mg/l	0.0219	0.0196	87.6	45-152	10.9	21	L475017-04	WG494691
1,1,1-Trichloroethane	mg/l	0.0211	0.0190	84.4	31-161	10.5	23	L475017-04	WG494691
1,1,2,2-Tetrachloroethane	mg/l	0.0290	0.0253	116.	49-149	13.5	22	L475017-04	WG494691
1,1,2-Trichloroethane	mg/l	0.0239	0.0215	95.5	46-145	10.2	20	L475017-04	WG494691
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0189	0.0163	75.6	14-168	14.5	24	L475017-04	WG494691
1,1-Dichloroethane	mg/l	0.0223	0.0199	89.2	30-159	11.4	21	L475017-04	WG494691
1,1-Dichloroethene	mg/l	0.0181	0.0169	72.2	10-162	6.61	23	L475017-04	WG494691
1,1-Dichloropropene	mg/l	0.0192	0.0162	76.8	14-162	17.1	23	L475017-04	WG494691
1,2,3-Trichlorobenzene	mg/l	0.0262	0.0186	105.	32-143	33.6*	33	L475017-04	WG494691
1,2,3-Trichloropropane	mg/l	0.0280	0.0251	112.	48-148	10.9	23	L475017-04	WG494691
1,2,3-Trimethylbenzene	mg/l	0.0229	0.0173	91.4	36-141	27.7*	25	L475017-04	WG494691
1,2,4-Trichlorobenzene	mg/l	0.0230	0.0162	92.0	27-142	34.9*	30	L475017-04	WG494691

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Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,4-Trimethylbenzene	mg/l	0.0221	0.0193	88.4	29-153	13.5	27	L475017-04	WG494691
1,2-Dibromo-3-Chloropropane	mg/l	0.0285	0.0217	114.	37-148	27.1*	27	L475017-04	WG494691
1,2-Dibromoethane	mg/l	0.0227	0.0205	90.7	41-149	10.0	21	L475017-04	WG494691
1,2-Dichlorobenzene	mg/l	0.0261	0.0202	104.	40-139	25.2*	23	L475017-04	WG494691
1,2-Dichloroethane	mg/l	0.0241	0.0201	96.3	29-167	17.9	21	L475017-04	WG494691
1,2-Dichloropropane	mg/l	0.0236	0.0204	94.4	39-148	14.7	20	L475017-04	WG494691
1,3,5-Trimethylbenzene	mg/l	0.0210	0.0188	84.2	33-149	11.2	26	L475017-04	WG494691
1,3-Dichlorobenzene	mg/l	0.0242	0.0214	96.9	32-148	12.3	24	L475017-04	WG494691
1,3-Dichloropropane	mg/l	0.0239	0.0208	95.8	44-142	14.3	20	L475017-04	WG494691
1,4-Dichlorobenzene	mg/l	0.0240	0.0174	95.9	32-136	31.6*	23	L475017-04	WG494691
2,2-Dichloropropane	mg/l	0.0216	0.0179	86.2	14-158	18.5	23	L475017-04	WG494691
2-Butanone (MEK)	mg/l	0.145	0.127	116.	32-151	13.5	26	L475017-04	WG494691
2-Chloroethyl vinyl ether	mg/l	0	0	0.00	0-175	0	75	L475017-04	WG494691
2-Chlorotoluene	mg/l	0.0241	0.0203	96.3	35-147	16.8	24	L475017-04	WG494691
4-Chlorotoluene	mg/l	0.0220	0.0197	88.0	33-147	11.1	25	L475017-04	WG494691
4-Methyl-2-pentanone (MIBK)	mg/l	0.145	0.122	116.	40-160	17.1	28	L475017-04	WG494691
Acetone	mg/l	0.131	0.114	104.	25-157	13.5	26	L475017-04	WG494691
Acrolein	mg/l	0.0369	0.0362	29.6	0-179	1.97	39	L475017-04	WG494691
Acrylonitrile	mg/l	0.133	0.116	106.	37-162	13.3	24	L475017-04	WG494691
Benzene	mg/l	0.0214	0.0182	85.8	16-158	16.2	21	L475017-04	WG494691
Bromobenzene	mg/l	0.0237	0.0214	94.6	37-147	10.2	23	L475017-04	WG494691
Bromodichloromethane	mg/l	0.0237	0.0198	94.7	45-147	18.0	20	L475017-04	WG494691
Bromoform	mg/l	0.0252	0.0232	101.	38-152	8.43	20	L475017-04	WG494691
Bromomethane	mg/l	0.0213	0.0216	85.2	0-191	1.18	35	L475017-04	WG494691
Carbon tetrachloride	mg/l	0.0201	0.0175	80.3	22-168	13.8	24	L475017-04	WG494691
Chlorobenzene	mg/l	0.0231	0.0209	92.6	33-148	9.96	22	L475017-04	WG494691
Chlorodibromomethane	mg/l	0.0232	0.0207	92.8	48-151	11.3	21	L475017-04	WG494691
Chloroethane	mg/l	0.0188	0.0173	75.3	4-176	8.22	27	L475017-04	WG494691
Chloroform	mg/l	0.0218	0.0197	87.3	37-147	10.0	21	L475017-04	WG494691
Chloromethane	mg/l	0.0196	0.0170	78.5	10-174	14.5	28	L475017-04	WG494691
cis-1,2-Dichloroethene	mg/l	0.0226	0.0195	90.5	29-156	14.6	22	L475017-04	WG494691
cis-1,3-Dichloropropene	mg/l	0.0227	0.0190	90.7	35-148	17.7	21	L475017-04	WG494691
Di-isopropyl ether	mg/l	0.0235	0.0203	94.0	39-160	14.6	21	L475017-04	WG494691
Dibromomethane	mg/l	0.0244	0.0207	97.6	36-152	16.4	20	L475017-04	WG494691
Dichlorodifluoromethane	mg/l	0.0171	0.0158	68.3	0-200	8.06	26	L475017-04	WG494691
Ethylbenzene	mg/l	0.0217	0.0191	86.9	29-150	13.0	24	L475017-04	WG494691
Hexachloro-1,3-butadiene	mg/l	0.0232	0.0167	92.8	28-144	32.6	33	L475017-04	WG494691
Isopropylbenzene	mg/l	0.0198	0.0178	79.3	35-147	10.7	25	L475017-04	WG494691
Methyl tert-butyl ether	mg/l	0.0283	0.0247	113.	24-167	13.7	22	L475017-04	WG494691
Methylene Chloride	mg/l	0.0205	0.0186	81.8	23-151	9.43	21	L475017-04	WG494691
n-Butylbenzene	mg/l	0.0220	0.0159	87.8	22-151	32.1*	29	L475017-04	WG494691
n-Propylbenzene	mg/l	0.0220	0.0195	88.1	26-150	12.3	25	L475017-04	WG494691
Naphthalene	mg/l	0.0307	0.0225	123.	24-160	30.9	37	L475017-04	WG494691
p-Isopropyltoluene	mg/l	0.0221	0.0192	88.3	28-151	13.8	27	L475017-04	WG494691
sec-Butylbenzene	mg/l	0.0221	0.0195	88.5	32-149	12.9	26	L475017-04	WG494691
Styrene	mg/l	0.0226	0.0208	90.5	38-149	8.31	23	L475017-04	WG494691
tert-Butylbenzene	mg/l	0.0227	0.0199	90.8	36-149	13.2	26	L475017-04	WG494691
Tetrachloroethene	mg/l	0.0265	0.0236	70.8	13-157	11.6	24	L475017-04	WG494691
Toluene	mg/l	0.0212	0.0176	85.0	22-152	18.6	22	L475017-04	WG494691
trans-1,2-Dichloroethene	mg/l	0.0182	0.0163	72.8	11-160	11.0	23	L475017-04	WG494691
trans-1,3-Dichloropropene	mg/l	0.0225	0.0179	89.9	33-153	22.6*	22	L475017-04	WG494691
Trichloroethene	mg/l	0.0204	0.0180	81.6	18-163	12.5	21	L475017-04	WG494691
Trichlorofluoromethane	mg/l	0.0200	0.0163	80.0	10-177	20.7	24	L475017-04	WG494691
Vinyl chloride	mg/l	0.0174	0.0162	69.7	0-179	7.28	26	L475017-04	WG494691
Xylenes, Total	mg/l	0.0656	0.0591	87.4	27-151	10.5	23	L475017-04	WG494691
4-Bromofluorobenzene				100.9	75-128				WG494691
Dibromofluoromethane				103.4	79-125				WG494691
Toluene-d8				103.2	87-114				WG494691

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August 24, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0249	0.0239	99.7	45-152	4.15	21	L474775-20	WG494928
1,1,1-Trichloroethane	mg/l	0.0307	0.0282	123.	31-161	8.31	23	L474775-20	WG494928
1,1,2,2-Tetrachloroethane	mg/l	0.0312	0.0310	125.	49-149	0.440	22	L474775-20	WG494928
1,1,2-Trichloroethane	mg/l	0.0269	0.0247	108.	46-145	8.69	20	L474775-20	WG494928
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0324	0.0296	130.	14-168	9.25	24	L474775-20	WG494928
1,1-Dichloroethane	mg/l	0.0301	0.0276	120.	30-159	8.53	21	L474775-20	WG494928
1,1-Dichloroethene	mg/l	0.0332	0.0290	124.	10-162	13.5	23	L474775-20	WG494928
1,1-Dichloropropene	mg/l	0.0280	0.0248	112.	14-162	12.0	23	L474775-20	WG494928
1,2,3-Trichlorobenzene	mg/l	0.0268	0.0229	107.	32-143	15.5	33	L474775-20	WG494928
1,2,3-Trichloropropane	mg/l	0.0301	0.0290	120.	48-148	3.78	23	L474775-20	WG494928
1,2,3-Trimethylbenzene	mg/l	0.0243	0.0213	97.4	36-141	13.3	25	L474775-20	WG494928
1,2,4-Trichlorobenzene	mg/l	0.0262	0.0227	105.	27-142	14.2	30	L474775-20	WG494928
1,2,4-Trimethylbenzene	mg/l	0.0263	0.0243	105.	29-153	7.88	27	L474775-20	WG494928
1,2-Dibromo-3-Chloropropane	mg/l	0.0282	0.0285	113.	37-148	1.35	27	L474775-20	WG494928
1,2-Dibromoethane	mg/l	0.0251	0.0239	100.	41-149	4.93	21	L474775-20	WG494928
1,2-Dichlorobenzene	mg/l	0.0277	0.0257	111.	40-139	7.64	23	L474775-20	WG494928
1,2-Dichloroethane	mg/l	0.0283	0.0266	113.	29-167	6.44	21	L474775-20	WG494928
1,2-Dichloropropane	mg/l	0.0288	0.0245	115.	39-148	16.1	20	L474775-20	WG494928
1,3,5-Trimethylbenzene	mg/l	0.0259	0.0236	104.	33-149	9.68	26	L474775-20	WG494928
1,3-Dichlorobenzene	mg/l	0.0289	0.0263	116.	32-148	9.20	24	L474775-20	WG494928
1,3-Dichloropropane	mg/l	0.0274	0.0250	110.	44-142	9.07	20	L474775-20	WG494928
1,4-Dichlorobenzene	mg/l	0.0258	0.0237	103.	32-136	8.62	23	L474775-20	WG494928
2,2-Dichloropropane	mg/l	0.0344	0.0302	138.	14-158	13.0	23	L474775-20	WG494928
2-Butanone (MEK)	mg/l	0.165	0.172	132.	32-151	3.91	26	L474775-20	WG494928
2-Chloroethyl vinyl ether	mg/l	0.00153	0.00390	1.22	0-175	87.2*	75	L474775-20	WG494928
2-Chlorotoluene	mg/l	0.0285	0.0248	114.	35-147	14.0	24	L474775-20	WG494928
4-Chlorotoluene	mg/l	0.0263	0.0237	105.	33-147	10.6	25	L474775-20	WG494928
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0.135	115.	40-160	5.89	28	L474775-20	WG494928
Acetone	mg/l	0.147	0.146	118.	25-157	0.470	26	L474775-20	WG494928
Acrolein	mg/l	0.0937	0.0915	74.9	0-179	2.33	39	L474775-20	WG494928
Acrylonitrile	mg/l	0.164	0.171	131.	37-162	4.44	24	L474775-20	WG494928
Benzene	mg/l	0.0287	0.0260	115.	16-158	9.83	21	L474775-20	WG494928
Bromobenzene	mg/l	0.0277	0.0248	111.	37-147	11.0	23	L474775-20	WG494928
Bromodichloromethane	mg/l	0.0256	0.0231	102.	45-147	10.4	20	L474775-20	WG494928
Bromoform	mg/l	0.0268	0.0259	107.	38-152	3.47	20	L474775-20	WG494928
Bromomethane	mg/l	0.0323	0.0311	129.	0-191	3.88	35	L474775-20	WG494928
Carbon tetrachloride	mg/l	0.0284	0.0256	113.	22-168	10.4	24	L474775-20	WG494928
Chlorobenzene	mg/l	0.0271	0.0245	108.	33-148	9.85	22	L474775-20	WG494928
Chlorodibromomethane	mg/l	0.0254	0.0230	102.	48-151	10.0	21	L474775-20	WG494928
Chloroethane	mg/l	0.0266	0.0251	106.	4-176	5.79	27	L474775-20	WG494928
Chloroform	mg/l	0.0325	0.0295	130.	37-147	9.62	21	L474775-20	WG494928
Chloromethane	mg/l	0.0286	0.0270	114.	10-174	5.79	28	L474775-20	WG494928
cis-1,2-Dichloroethene	mg/l	0.0728	0.0666	123.	29-156	8.89	22	L474775-20	WG494928
cis-1,3-Dichloropropene	mg/l	0.0252	0.0234	101.	35-148	7.76	21	L474775-20	WG494928
Di-isopropyl ether	mg/l	0.0295	0.0276	118.	39-160	6.69	21	L474775-20	WG494928
Dibromomethane	mg/l	0.0272	0.0249	109.	36-152	8.79	20	L474775-20	WG494928
Dichlorodifluoromethane	mg/l	0.0293	0.0278	117.	0-200	5.23	26	L474775-20	WG494928
Ethylbenzene	mg/l	0.0261	0.0242	104.	29-150	7.70	24	L474775-20	WG494928
Hexachloro-1,3-butadiene	mg/l	0.0251	0.0214	100.	28-144	15.8	33	L474775-20	WG494928
Isopropylbenzene	mg/l	0.0272	0.0245	109.	35-147	10.5	25	L474775-20	WG494928
Methyl tert-butyl ether	mg/l	0.0345	0.0339	138.	24-167	1.56	22	L474775-20	WG494928
Methylene Chloride	mg/l	0.0288	0.0269	115.	23-151	6.60	21	L474775-20	WG494928
n-Butylbenzene	mg/l	0.0267	0.0235	107.	22-151	12.5	29	L474775-20	WG494928
n-Propylbenzene	mg/l	0.0278	0.0253	111.	26-150	9.25	25	L474775-20	WG494928
Naphthalene	mg/l	0.0302	0.0273	121.	24-160	10.2	37	L474775-20	WG494928
p-Isopropyltoluene	mg/l	0.0281	0.0252	112.	28-151	10.7	27	L474775-20	WG494928
sec-Butylbenzene	mg/l	0.0281	0.0249	112.	32-149	12.1	26	L474775-20	WG494928
Styrene	mg/l	0.0239	0.0218	95.7	38-149	9.32	23	L474775-20	WG494928

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Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
tert-Butylbenzene	mg/l	0.0283	0.0257	113.	36-149	9.52	26	L474775-20	WG494928
Tetrachloroethene	mg/l	0.859	0.808	117.	13-157	6.09	24	L474775-20	WG494928
Toluene	mg/l	0.0263	0.0227	105.	22-152	14.7	22	L474775-20	WG494928
trans-1,2-Dichloroethene	mg/l	0.0263	0.0246	105.	11-160	6.90	23	L474775-20	WG494928
trans-1,3-Dichloropropene	mg/l	0.0226	0.0200	90.2	33-153	12.0	22	L474775-20	WG494928
Trichloroethene	mg/l	0.0721	0.0669	112.	18-163	7.47	21	L474775-20	WG494928
Trichlorofluoromethane	mg/l	0.0314	0.0263	126.	10-177	17.5	24	L474775-20	WG494928
Vinyl chloride	mg/l	0.0269	0.0251	108.	0-179	6.95	26	L474775-20	WG494928
Xylenes, Total	mg/l	0.0787	0.0720	105.	27-151	8.91	23	L474775-20	WG494928
4-Bromofluorobenzene				110.2	75-128				WG494928
Dibromofluoromethane				107.9	79-125				WG494928
Toluene-d8				103.6	87-114				WG494928
1,1,1,2-Tetrachloroethane	mg/l	0.0306	0.0281	122.	45-152	8.68	21	L474237-01	WG494840
1,1,1-Trichloroethane	mg/l	0.0246	0.0224	98.5	31-161	9.34	23	L474237-01	WG494840
1,1,2,2-Tetrachloroethane	mg/l	0.0267	0.0242	107.	49-149	9.91	22	L474237-01	WG494840
1,1,2-Trichloroethane	mg/l	0.0274	0.0239	110.	46-145	13.9	20	L474237-01	WG494840
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0219	0.0210	87.6	14-168	4.33	24	L474237-01	WG494840
1,1-Dichloroethane	mg/l	0.0217	0.0198	86.9	30-159	9.45	21	L474237-01	WG494840
1,1-Dichloroethene	mg/l	0.0209	0.0200	83.6	10-162	4.45	23	L474237-01	WG494840
1,1-Dichloropropene	mg/l	0.0212	0.0195	84.9	14-162	8.61	23	L474237-01	WG494840
1,2,3-Trichlorobenzene	mg/l	0.0280	0.0252	112.	32-143	10.7	33	L474237-01	WG494840
1,2,3-Trichloropropane	mg/l	0.0264	0.0239	105.	48-148	9.98	23	L474237-01	WG494840
1,2,3-Trimethylbenzene	mg/l	0.0258	0.0241	103.	36-141	6.70	25	L474237-01	WG494840
1,2,4-Trichlorobenzene	mg/l	0.0268	0.0241	107.	27-142	10.5	30	L474237-01	WG494840
1,2,4-Trimethylbenzene	mg/l	0.0259	0.0251	104.	29-153	3.13	27	L474237-01	WG494840
1,2-Dibromo-3-Chloropropane	mg/l	0.0290	0.0256	116.	37-148	12.6	27	L474237-01	WG494840
1,2-Dibromoethane	mg/l	0.0259	0.0231	103.	41-149	11.4	21	L474237-01	WG494840
1,2-Dichlorobenzene	mg/l	0.0275	0.0251	110.	40-139	8.82	23	L474237-01	WG494840
1,2-Dichloroethane	mg/l	0.0232	0.0203	92.8	29-167	13.3	21	L474237-01	WG494840
1,2-Dichloropropane	mg/l	0.0209	0.0194	83.8	39-148	7.61	20	L474237-01	WG494840
1,3,5-Trimethylbenzene	mg/l	0.0264	0.0246	106.	33-149	7.04	26	L474237-01	WG494840
1,3-Dichlorobenzene	mg/l	0.0280	0.0261	112.	32-148	7.10	24	L474237-01	WG494840
1,3-Dichloropropane	mg/l	0.0251	0.0224	100.	44-142	11.7	20	L474237-01	WG494840
1,4-Dichlorobenzene	mg/l	0.0266	0.0248	106.	32-136	6.82	23	L474237-01	WG494840
2,2-Dichloropropane	mg/l	0.0241	0.0221	96.3	14-158	8.42	23	L474237-01	WG494840
2-Butanone (MEK)	mg/l	0.126	0.106	80.2	32-151	17.1	26	L474237-01	WG494840
2-Chloroethyl vinyl ether	mg/l	0.000305	0	0.244	0-175	200.*	75	L474237-01	WG494840
2-Chlorotoluene	mg/l	0.0264	0.0249	106.	35-147	5.98	24	L474237-01	WG494840
4-Chlorotoluene	mg/l	0.0265	0.0247	106.	33-147	7.04	25	L474237-01	WG494840
4-Methyl-2-pentanone (MIBK)	mg/l	0.0997	0.0872	79.7	40-160	13.3	28	L474237-01	WG494840
Acetone	mg/l	0.128	0.105	103.	25-157	20.5	26	L474237-01	WG494840
Acrolein	mg/l	0.0814	0.0749	65.1	0-179	8.27	39	L474237-01	WG494840
Acrylonitrile	mg/l	0.101	0.0867	80.8	37-162	15.3	24	L474237-01	WG494840
Benzene	mg/l	0.0209	0.0191	83.5	16-158	8.89	21	L474237-01	WG494840
Bromobenzene	mg/l	0.0253	0.0237	101.	37-147	6.34	23	L474237-01	WG494840
Bromodichloromethane	mg/l	0.0242	0.0227	96.8	45-147	6.27	20	L474237-01	WG494840
Bromoform	mg/l	0.0324	0.0275	129.	38-152	16.2	20	L474237-01	WG494840
Bromomethane	mg/l	0.0273	0.0258	109.	0-191	5.76	35	L474237-01	WG494840
Carbon tetrachloride	mg/l	0.0244	0.0228	97.6	22-168	7.02	24	L474237-01	WG494840
Chlorobenzene	mg/l	0.0264	0.0247	105.	33-148	6.74	22	L474237-01	WG494840
Chlorodibromomethane	mg/l	0.0308	0.0279	123.	48-151	10.0	21	L474237-01	WG494840
Chloroethane	mg/l	0.0232	0.0220	92.7	4-176	5.06	27	L474237-01	WG494840
Chloroform	mg/l	0.0237	0.0219	94.8	37-147	7.75	21	L474237-01	WG494840
Chloromethane	mg/l	0.0187	0.0176	74.8	10-174	6.23	28	L474237-01	WG494840
cis-1,2-Dichloroethene	mg/l	0.156	0.148	102.	29-156	4.92	22	L474237-01	WG494840
cis-1,3-Dichloropropene	mg/l	0.0210	0.0194	84.0	35-148	7.74	21	L474237-01	WG494840
Di-isopropyl ether	mg/l	0.0202	0.0180	80.8	39-160	11.7	21	L474237-01	WG494840

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Laura Powers
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L475031

August 24, 2010

Analyte	Units	Matrix Spike MSD	Ref	%Rec	Limit	Duplicate RPD	Limit	Ref Samp	Batch
Dibromomethane	mg/l	0.0226	0.0205	90.6	36-152	9.75	20	L474237-01	WG494840
Dichlorodifluoromethane	mg/l	0.0230	0.0219	91.8	0-200	4.55	26	L474237-01	WG494840
Ethylbenzene	mg/l	0.0249	0.0234	99.6	29-150	6.01	24	L474237-01	WG494840
Hexachloro-1,3-butadiene	mg/l	0.0277	0.0256	111.	28-144	7.86	33	L474237-01	WG494840
Isopropylbenzene	mg/l	0.0265	0.0248	106.	35-147	6.99	25	L474237-01	WG494840
Methyl tert-butyl ether	mg/l	0.0211	0.0186	84.4	24-167	12.6	22	L474237-01	WG494840
Methylene Chloride	mg/l	0.0215	0.0195	86.1	23-151	10.0	21	L474237-01	WG494840
n-Butylbenzene	mg/l	0.0257	0.0245	103.	22-151	4.99	29	L474237-01	WG494840
n-Propylbenzene	mg/l	0.0255	0.0242	102.	26-150	5.12	25	L474237-01	WG494840
Naphthalene	mg/l	0.0241	0.0210	96.6	24-160	14.1	37	L474237-01	WG494840
p-Isopropyltoluene	mg/l	0.0274	0.0260	110.	28-151	5.32	27	L474237-01	WG494840
sec-Butylbenzene	mg/l	0.0268	0.0256	107.	32-149	4.81	26	L474237-01	WG494840
Styrene	mg/l	0.0255	0.0242	102.	38-149	5.32	23	L474237-01	WG494840
tert-Butylbenzene	mg/l	0.0271	0.0259	108.	36-149	4.48	26	L474237-01	WG494840
Tetrachloroethene	mg/l	0.0787	0.0774	119.	13-157	1.64	24	L474237-01	WG494840
Toluene	mg/l	0.0215	0.0203	86.1	22-152	5.86	22	L474237-01	WG494840
trans-1,2-Dichloroethene	mg/l	0.0216	0.0201	86.4	11-160	7.02	23	L474237-01	WG494840
trans-1,3-Dichloropropene	mg/l	0.0230	0.0209	92.1	33-153	9.63	22	L474237-01	WG494840
Trichloroethene	mg/l	0.135	0.136	99.3	18-163	1.20	21	L474237-01	WG494840
Trichlorofluoromethane	mg/l	0.0249	0.0235	99.7	10-177	5.75	24	L474237-01	WG494840
Vinyl chloride	mg/l	0.0230	0.0222	87.1	0-179	3.61	26	L474237-01	WG494840
Xylenes, Total	mg/l	0.0755	0.0703	101.	27-151	7.07	23	L474237-01	WG494840
4-Bromofluorobenzene				97.03	75-128				WG494840
Dibromofluoromethane				99.44	79-125				WG494840
Toluene-d8				90.88	87-114				WG494840

Batch number /Run number / Sample number cross reference

WG494692: R1341549: L475031-12 13 14 15 16 17
WG494691: R1342468: L475031-01 02 03 04 05 06 07
WG494928: R1343029: L475031-08 09 10
WG494840: R1343189: L475031-11 12 13 14 15 16 17

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L475031

August 24, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Chain of Custody

Page 1 of 2

Withers & Ravenel Eng.
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Cary, NC 27511

Alternate billing information:
(Circle One)

WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: Laura Powers

Email to: LPowers @withersravenel.com

Project Description: Excursion

City/State Collected: Wilson, NC

Phone: 919-469-3340
FAX: 919-467-6008

Client Project #: 2060411016

ESC Key:

Collected by: Anna Perkinson

Site/Facility ID#: 98-0020

P.O.#:

Collected by (signature):

Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:

Email? __No__Yes

FAX? __No__Yes

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260	Remarks/Contaminant	Sample # (lab only)
MW-12	Grab	GW		8/9/10	9:45	2	2	L475031	-01
MW-4					14:20				-02
MW-5					12:35				-03
MW-1D					13:30				-04
MW-3					13:00				-05
MW-2					13:50				-06
MW-14					8:30				-07
MW-13					9:00	01			-08

CoCode (lab use only)

Template/Prelogin

Shipped Via:

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other 8260 1825 1760 pH _____ Temp _____

Remarks:

Flow _____ Other _____

	Date:	Time:		Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only)
Relinquished by: (Signature)	8/9/10	17:30	Received by: (Signature)		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 +1 / Bottles Received: 33 V + 1T	OK
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.20.10 / Time: 0900	pH Checked: / NCF:

Prepared by: G186

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Alternate billing information:
(Circle One)

WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: Laura Powers

Email to: LPowers @withersravenel.com

Analysis/Container/Preservative

Chain of Custody Page 2 of 2

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: Exclusives

City/State Collected: Wilson, NC

Phone: 919-469-3340
FAX: 919-467-6008

Client Project #: 2060046.16

ESC Key:

Collected by: Anna Perkinson

Site/Facility ID#: 99-0204

P.O.#:

Collected by (signature): [signature]

Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.......200%
____ Next Day.......100%
____ Two Day........50%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260							Remarks/Contaminant	Sample # (lab only)
MW-11	Grab	GW		8/19/10	14:00	2	X								-09
MW-7S				8/19/10	14:40										-10
MW-2I				8/19/10	14:25										-11
MW-7				8/19/10	12:01										-12
MW-8				8/19/10	12:32										-13
MW-9				8/19/10	12:12										-14
MW-10				8/19/10	11:00										-15
MW-23				8/19/10	10:25										-16
MW-24				8/19/10	11:30										-17

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other____ 8262 1825/760

pH ______ Temp ______

Remarks:

Flow ______ Other ______

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
[signature]	8/19/10	17:30	[signature]		OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4° / Bottles Received: 33V+1TB	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 8-20-10 / Time: 0900	pH Checked: / NCF:

ATTACHMENT 17
DSCA Indoor Air Risk Calculator

DSCA Indoor Air Risk Calculator - Table 2: Cumulative Risk for Industrial Worker

DSCA ID No: 098-0004 **Name/Address of Sample Location:** Exclusive Cleaners, 1513 Ward Blvd, Wilson, Wilson County

Have multiple sampling events been conducted at this location: ☐ Yes ☑ No **Sampling Date:** 11/10/2009 **Sample ID:** IA-1

Cumulative Risk Calculation for Indoor Air Pathway (Industrial)

	Tetrachloroethylene	Trichloroethylene	Vinyl Chloride	Benzene	Ethylbenzene	Naphthalene	MTBE	1,2-Dichloroethane					
Maximum Concentration Detected (µg/m³)	0.39	0	0.19	0.94	0.41			0.22					
EPA Regional Screening Level (RSL) for Industrial Air (carcinogenic target risk = 1E-06) µg/m³	2.08	6.13	2.79	1.57	4.91	0.36	47.2	0.47					
Ratio = Max Concentration ÷ EPA RSL	0.19	0.00	0.07	0.60	0.08	0.00	0.00	0.47					

CUMULATIVE RISK (sum of ratios x 10^{-6})	1.41E-06

Cumulative Hazard Index (HI) Calculation for Indoor Air Pathway (Industrial)

	Tetrachloroethylene	trans - 1,2 -DCE	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2-Dichloroethane			
Maximum Concentration Detected	0.39	0	0.19	0.94	2.5	0.41	1.66			0.22			
EPA Regional Screening Level (RSL) for Industrial Air [noncancer Hazard Index (HI)=1] µg/m3	1190	263	438	131	21900	4380	438	13	13100	10600			
Ratio = Max Concentration ÷ EPA RSL	0.0003	0.0000	0.0004	0.0072	0.0001	0.0001	0.0038	0.0000	0.0000	0.0000			

CUMULATIVE HI (sum of ratios)	0.01

Notes:

1. RSLs available at: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm
2. Cis-1,2-DCE, trans-1,2-DCE, toluene and xylenes were not included in the cumulative risk calculation since they currently have no carcinogenic EPA RSLs.
3. Trichloroethylene and cis-1,2-DCE were not included in cumulative HI calculation since they currently have no noncancer EPA RSLs.

CONCLUSIONS

- ☐ Risk is < 1E-06
- ☑ Risk is beteween 1E-06 and 1E-05
- ☐ Risk is between 1E-05 and 1E-04
- ☐ Risk is > 1E-04

RECOMMENDATIONS (check all that apply)

- ☐ Collect confirmation samples
- ☐ Develop long-term monitoring schedule
- ☐ Evaluate for mitigation
- ☑ No further action for indoor air

Version 3 - 3/23/10

DSCA Indoor Air Risk Calculator - Table 2: Cumulative Risk for Industrial Worker

DSCA ID No: 098-0004 **Name/Address of Sample Location:** Exclusive Cleaners, 1513 Ward Blvd, Wilson, Wilson County

Have multiple sampling events been conducted at this location: ☐ Yes ☑ No **Sampling Date:** 11/10/2009 **Sample ID:** IA-2

Cumulative Risk Calculation for Indoor Air Pathway (Industrial)

	Tetrachloroethylene	Trichloroethylene	Vinyl Chloride	Benzene	Ethylbenzene	Naphthalene	MTBE	1,2-Dichloroethane					
Maximum Concentration Detected (µg/m^3)	0.35	0	0.14	0.8	1.3			0.28					
EPA Regional Screening Level (RSL) for Industrial Air (carcinogenic target risk = 1E-06) µg/m^3	2.08	6.13	2.79	1.57	4.91	0.36	47.2	0.47					
Ratio = Max Concentration ÷ EPA RSL	0.17	0.00	0.05	0.51	0.26	0.00	0.00	0.60					

CUMULATIVE RISK (sum of ratios x 10^{-6})	1.59E-06

Cumulative Hazard Index (HI) Calculation for Indoor Air Pathway (Industrial)

	Tetrachloroethylene	trans - 1,2 -DCE	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2-Dichloroethane			
Maximum Concentration Detected	0.35	0	0.14	0.8	5.4	1.3	3.76			0.28			
EPA Regional Screening Level (RSL) for Industrial Air [noncancer Hazard Index (HI)=1] µg/m3	1190	263	438	131	21900	4380	438	13	13100	10600			
Ratio = Max Concentration ÷ EPA RSL	0.0003	0.0000	0.0003	0.0061	0.0002	0.0003	0.0086	0.0000	0.0000	0.0000			

CUMULATIVE HI (sum of ratios)	0.02

Notes:

1. RSLs available at: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm
2. Cis-1,2-DCE, trans-1,2-DCE, toluene and xylenes were not included in the cumulative risk calculation since they currently have no carcinogenic EPA RSLs.
3. Trichloroethylene and cis-1,2-DCE were not included in cumulative HI calculation since they currently have no noncancer EPA RSLs.

CONCLUSIONS

- ☐ Risk is < 1E-06
- ☑ Risk is beteween 1E-06 and 1E-05
- ☐ Risk is between 1E-05 and 1E-04
- ☐ Risk is > 1E-04

RECOMMENDATIONS (check all that apply)

- ☐ Collect confirmation samples
- ☐ Develop long-term monitoring schedule
- ☐ Evaluate for mitigation
- ☑ No further action for indoor air

Version 3 - 3/23/10

ATTACHMENT 18
ChemStat Analysis

Concentrations (mg/l)

Parameter: Tetrachloroethene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Samples: 36
Total Non-Detect: 0
Percent Non-Detects: 0%
Total Background Samples: 0
There are 0 background wells

Well	Samples	ND	Date	Result	Original

There are 6 compliance wells

Well	Samples	ND	Date	Result	Original
MW-11	5	0 (0%)	5/19/2009	0.0064	0.0064
			11/10/2009	0.0077	0.0077
			2/11/2010	1	1
			5/19/2010	0.004	0.004
			8/19/2010	0.0036	0.0036
MW-1D	7	0 (0%)	5/19/2009	0.0031	0.0031
			11/10/2009	0.0049	0.0049
			2/11/2010	0.021	0.021
			5/19/2010	0.0042	0.0042
			8/19/2010	0.005	0.005
			10/26/2010	0.0034	0.0034
			4/19/2011	0.0046	0.0046
MW-2I	7	0 (0%)	5/19/2009	5.4	5.4
			11/10/2009	0.95	0.95
			2/11/2010	1.6	1.6
			5/19/2010	5.6	5.6
			8/19/2010	7.8	7.8
			10/26/2010	6.3	6.3
			4/19/2011	6.6	6.6
MW-2S	5	0 (0%)	5/19/2009	0.31	0.31
			11/10/2009	0.0034	0.0034
			2/11/2010	1	1
			5/19/2010	0.041	0.041
			8/19/2010	0.01	0.01
MW-4	5	0 (0%)	5/19/2009	0.76	0.76
			11/10/2009	2.2	2.2
			2/11/2010	0.9	0.9
			5/19/2010	1.1	1.1
			8/19/2010	0.051	0.051
MW-6	7	0 (0%)	5/19/2009	0.088	0.088
			11/10/2009	0.27	0.27
			2/11/2010	1.8	1.8
			5/19/2010	0.21	0.21
			8/19/2010	0.21	0.21
			10/26/2010	0.24	0.24

			4/19/2011	0.32	0.32

There are 0 unused wells

Well	Samples	ND	Date	Result	Original

Basic Statistics

Parameter: Tetrachloroethene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

	Total Observations
36	
Total Non-Detects	0
Pooled Mean	1.24531
Pooled Std Dev	2.17355
Background Mean	0
Background Std Dev	0

Background Wells

There are 0 background wells

Well	Samples	Non-Detects	% ND	Total	
Well	**Mean**	**Std Dev**	**Std Err**	**Rank Sum**	**Rank Mean**

Compliance Wells

There are 6 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-11	5	0	0	1.0217
MW-1D	7	0	0	0.0462
MW-2I	7	0	0	34.25
MW-2S	5	0	0	1.3644
MW-4	5	0	0	5.011
MW-6	7	0	0	3.138

Well	Mean	Std Dev	Dif From Bk	Std Err	Rank Sum	Rank Mean
MW-11	0.20434	0.444791	0.20434	0	56	11.2
MW-1D	0.0066	0.00639088	0.0066	0	46	6.57143
MW-2I	4.89286	2.59782	4.89286	0	224	32
MW-2S	0.27288	0.425903	0.27288	0	77	15.4
MW-4	1.0022	0.777524	1.0022	0	121	24.2
MW-6	0.448286	0.600295	0.448286	0	142	20.2857

Analysis of Variance Statistics

SS Wells	118.761
SS Total	165.351

Kruskal-Wallis Statistics

Non-Detect Rank	0
Background Rank Sum	0
Background Rank Mean	0
H Statistic	24.9645
H Adjusted for Ties	24.9645

Mann-Kendall Trend Analysis
Parameter: Tetrachloroethene
Well: MW-11

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
0.0077	0.0064	0.0013	1	0
1	0.0064	0.9936	2	0
0.004	0.0064	-0.0024	2	1
0.0036	0.0064	-0.0028	2	2
1	0.0077	0.9923	3	2
0.004	0.0077	-0.0037	3	3
0.0036	0.0077	-0.0041	3	4
0.004	1	-0.996	3	5
0.0036	1	-0.9964	3	6
0.0036	0.004	-0.0004	3	7

S Statistic = 3 - 7 = -4
Comparing at 95% confidence level (upward trend)
Probability of obtaining S >= -4 is 0.242
S < 0 or 0.242 >= 0.05 indicating no evidence of an upward trend

Mann-Kendall Trend Analysis

Parameter: Tetrachloroethene

Well: MW-1D

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
0.0049	0.0031	0.0018	1	0
0.021	0.0031	0.0179	2	0
0.0042	0.0031	0.0011	3	0
0.005	0.0031	0.0019	4	0
0.0034	0.0031	0.0003	5	0
0.0046	0.0031	0.0015	6	0
0.021	0.0049	0.0161	7	0
0.0042	0.0049	-0.0007	7	1
0.005	0.0049	0.0001	8	1
0.0034	0.0049	-0.0015	8	2
0.0046	0.0049	-0.0003	8	3
0.0042	0.021	-0.0168	8	4
0.005	0.021	-0.016	8	5
0.0034	0.021	-0.0176	8	6
0.0046	0.021	-0.0164	8	7
0.005	0.0042	0.0008	9	7
0.0034	0.0042	-0.0008	9	8
0.0046	0.0042	0.0004	10	8
0.0034	0.005	-0.0016	10	9
0.0046	0.005	-0.0004	10	10
0.0046	0.0034	0.0012	11	10

S Statistic = 11 - 10 = 1
Comparing at 95% confidence level (upward trend)
Probability of obtaining S >= 1 is 0.5
S < 0 or 0.5 >= 0.05 indicating no evidence of an upward trend

Mann-Kendall Trend Analysis

Parameter: Tetrachloroethene

Well: MW-2I

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
0.95	5.4	-4.45	0	1
1.6	5.4	-3.8	0	2
5.6	5.4	0.2	1	2
7.8	5.4	2.4	2	2
6.3	5.4	0.9	3	2
6.6	5.4	1.2	4	2
1.6	0.95	0.65	5	2
5.6	0.95	4.65	6	2
7.8	0.95	6.85	7	2
6.3	0.95	5.35	8	2
6.6	0.95	5.65	9	2
5.6	1.6	4	10	2
7.8	1.6	6.2	11	2
6.3	1.6	4.7	12	2
6.6	1.6	5	13	2
7.8	5.6	2.2	14	2
6.3	5.6	0.7	15	2
6.6	5.6	1	16	2
6.3	7.8	-1.5	16	3
6.6	7.8	-1.2	16	4
6.6	6.3	0.3	17	4

S Statistic = 17 - 4 = 13
Comparing at 95% confidence level (upward trend)
Probability of obtaining S >= 13 is 0.035
S > 0 and 0.035 < 0.05 indicating an upward trend

Mann-Kendall Trend Analysis

Parameter: Tetrachloroethene

Well: MW-4

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
2.2	0.76	1.44	1	0
0.9	0.76	0.14	2	0
1.1	0.76	0.34	3	0
0.051	0.76	-0.709	3	1
0.9	2.2	-1.3	3	2
1.1	2.2	-1.1	3	3
0.051	2.2	-2.149	3	4
1.1	0.9	0.2	4	4
0.051	0.9	-0.849	4	5
0.051	1.1	-1.049	4	6

S Statistic = 4 - 6 = -2
Comparing at 95% confidence level (upward trend)
Probability of obtaining S >= -2 is 0.408
S < 0 or 0.408 >= 0.05 indicating no evidence of an upward trend

Mann-Kendall Trend Analysis

Parameter: Tetrachloroethene

Well: MW-6

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
0.27	0.088	0.182	1	0
1.8	0.088	1.712	2	0
0.21	0.088	0.122	3	0
0.21	0.088	0.122	4	0
0.24	0.088	0.152	5	0
0.32	0.088	0.232	6	0
1.8	0.27	1.53	7	0
0.21	0.27	-0.06	7	1
0.21	0.27	-0.06	7	2
0.24	0.27	-0.03	7	3
0.32	0.27	0.05	8	3
0.21	1.8	-1.59	8	4
0.21	1.8	-1.59	8	5
0.24	1.8	-1.56	8	6
0.32	1.8	-1.48	8	7
0.21	0.21	0	8	7
0.24	0.21	0.03	9	7
0.32	0.21	0.11	10	7
0.24	0.21	0.03	11	7
0.32	0.21	0.11	12	7
0.32	0.24	0.08	13	7

S Statistic = 13 - 7 = 6
Comparing at 95% confidence level (upward trend)
Failed to calculate probability for S = 6
Table out of range

Mann-Kendall Trend Analysis

Parameter: Tetrachloroethene

Well: MW-2S

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	Xj - Xk	Positives	Negatives
0.0034	0.31	-0.3066	0	1
1	0.31	0.69	1	1
0.041	0.31	-0.269	1	2
0.01	0.31	-0.3	1	3
1	0.0034	0.9966	2	3
0.041	0.0034	0.0376	3	3
0.01	0.0034	0.0066	4	3
0.041	1	-0.959	4	4
0.01	1	-0.99	4	5
0.01	0.041	-0.031	4	6

S Statistic = 4 - 6 = -2
Comparing at 95% confidence level (upward trend)
Probability of obtaining S >= -2 is 0.408
S < 0 or 0.408 >= 0.05 indicating no evidence of an upward trend

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-6

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj		Xk		(Xj - Xk)/(j-k)	Q
0.27	(11/10/200	0.088	(5/19/200	(0.27 - 0.088)/(2 - 1)	0.182
1.8	(2/11/2010)	0.088	(5/19/200	(1.8 - 0.088)/(3 - 1)	0.856
0.21	(5/19/2010	0.088	(5/19/200	(0.21 - 0.088)/(4 - 1)	0.0406667
0.21	(8/19/2010	0.088	(5/19/200	(0.21 - 0.088)/(5 - 1)	0.0305
0.24	(10/26/201	0.088	(5/19/200	(0.24 - 0.088)/(6 - 1)	0.0304
0.32	(4/19/2011	0.088	(5/19/200	(0.32 - 0.088)/(7 - 1)	0.0386667
1.8	(2/11/2010)	0.27	(11/10/200	(1.8 - 0.27)/(3 - 2)	1.53
0.21	(5/19/2010	0.27	(11/10/200	(0.21 - 0.27)/(4 - 2)	-0.03
0.21	(8/19/2010	0.27	(11/10/200	(0.21 - 0.27)/(5 - 2)	-0.02
0.24	(10/26/201	0.27	(11/10/200	(0.24 - 0.27)/(6 - 2)	-0.0075
0.32	(4/19/2011	0.27	(11/10/200	(0.32 - 0.27)/(7 - 2)	0.01
0.21	(5/19/2010	1.8	(2/11/2010)	(0.21 - 1.8)/(4 - 3)	-1.59
0.21	(8/19/2010	1.8	(2/11/2010)	(0.21 - 1.8)/(5 - 3)	-0.795
0.24	(10/26/201	1.8	(2/11/2010)	(0.24 - 1.8)/(6 - 3)	-0.52
0.32	(4/19/2011	1.8	(2/11/2010)	(0.32 - 1.8)/(7 - 3)	-0.37
0.21	(8/19/2010	0.21	(5/19/2010	(0.21 - 0.21)/(5 - 4)	0
0.24	(10/26/201	0.21	(5/19/2010	(0.24 - 0.21)/(6 - 4)	0.015
0.32	(4/19/2011	0.21	(5/19/2010	(0.32 - 0.21)/(7 - 4)	0.0366667
0.24	(10/26/201	0.21	(8/19/2010	(0.24 - 0.21)/(6 - 5)	0.03
0.32	(4/19/2011	0.21	(8/19/2010	(0.32 - 0.21)/(7 - 5)	0.055
0.32	(4/19/2011	0.24	(10/26/201	(0.32 - 0.24)/(7 - 6)	0.08

Number of Q values = 21

Ordered Q Values

n	Q
1	-1.59
2	-0.795
3	-0.52
4	-0.37
5	-0.03
6	-0.02
7	-0.0075
8	0
9	0.01
10	0.015
11	0.03
12	0.0304
13	0.0305
14	0.0366667
15	0.0386667
16	0.0406667

17	0.055
18	0.08
19	0.182
20	0.856
21	1.53

Sen's Estimator (Median Q) is 0.03

Tied Group	Value	Members
1	0.21	2

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1
10/26/2010	1
4/19/2011	1

There are 0 time periods with multiple data

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 798
b = 1890
c = 84
Group Variance = 43.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 10.8277
M1 = (21 - 10.8277)/2.0 = 5.08613
M2 = (21 + 10.8277)/2.0 + 1 = 16.9139
Lower limit is -0.03
Upper limit is 0.055
-0.03 < 0 < 0.055 indicating no trend in data.

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-4

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	(Xj - Xk)/(j-k)	Q
2.2 (11/10/2009)	0.76 (5/19/2009)	(2.2 - 0.76)/(2 - 1)	1.44
0.9 (2/11/2010)	0.76 (5/19/2009)	(0.9 - 0.76)/(3 - 1)	0.07
1.1 (5/19/2010)	0.76 (5/19/2009)	(1.1 - 0.76)/(4 - 1)	0.113333
0.051 (8/19/2010)	0.76 (5/19/2009)	(0.051 - 0.76)/(5 - 1)	-0.17725
0.9 (2/11/2010)	2.2 (11/10/2009)	(0.9 - 2.2)/(3 - 2)	-1.3
1.1 (5/19/2010)	2.2 (11/10/2009)	(1.1 - 2.2)/(4 - 2)	-0.55
0.051 (8/19/2010)	2.2 (11/10/2009)	(0.051 - 2.2)/(5 - 2)	-0.716333
1.1 (5/19/2010)	0.9 (2/11/2010)	(1.1 - 0.9)/(4 - 3)	0.2
0.051 (8/19/2010)	0.9 (2/11/2010)	(0.051 - 0.9)/(5 - 3)	-0.4245
0.051 (8/19/2010)	1.1 (5/19/2010)	(0.051 - 1.1)/(5 - 4)	-1.049

Number of Q values = 10

Ordered Q Values

n	Q
1	-1.3
2	-1.049
3	-0.716333
4	-0.55
5	-0.4245
6	-0.17725
7	0.07
8	0.113333
9	0.2
10	1.44

Sen's Estimator (Median Q) is -0.300875

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 300
b = 540
c = 40

Group Variance = 16.6667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 6.71508
M1 = (10 - 6.71508)/2.0 = 1.64246
M2 = (10 + 6.71508)/2.0 + 1 = 9.35754
Lower limit is -1.049
Upper limit is 0.2
-1.049 < 0 < 0.2 indicating no trend in data.

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-2S

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	(Xj - Xk)/(j-k)	Q
0.0034 (11/10/20	0.31 (5/19/2009	(0.0034 - 0.31)/(2 - 1)	-0.3066
1 (2/11/2010)	0.31 (5/19/2009	(1 - 0.31)/(3 - 1)	0.345
0.041 (5/19/201	0.31 (5/19/2009	(0.041 - 0.31)/(4 - 1)	-0.0896667
0.01 (8/19/2010	0.31 (5/19/2009	(0.01 - 0.31)/(5 - 1)	-0.075
1 (2/11/2010)	0.0034 (11/10/2	(1 - 0.0034)/(3 - 2)	0.9966
0.041 (5/19/201	0.0034 (11/10/2	(0.041 - 0.0034)/(4 - 2)	0.0188
0.01 (8/19/2010	0.0034 (11/10/2	(0.01 - 0.0034)/(5 - 2)	0.0022
0.041 (5/19/201	1 (2/11/2010)	(0.041 - 1)/(4 - 3)	-0.959
0.01 (8/19/2010	1 (2/11/2010)	(0.01 - 1)/(5 - 3)	-0.495
0.01 (8/19/2010	0.041 (5/19/201	(0.01 - 0.041)/(5 - 4)	-0.031

Number of Q values = 10

Ordered Q Values

n	Q
1	-0.959
2	-0.495
3	-0.3066
4	-0.0896667
5	-0.075
6	-0.031
7	0.0022
8	0.0188
9	0.345
10	0.9966

Sen's Estimator (Median Q) is -0.053

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 300
b = 540
c = 40

Group Variance = 16.6667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 6.71508
M1 = (10 - 6.71508)/2.0 = 1.64246
M2 = (10 + 6.71508)/2.0 + 1 = 9.35754
Lower limit is -0.495
Upper limit is 0.345
-0.495 < 0 < 0.345 indicating no trend in data.

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-2I

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj		Xk		(Xj - Xk)/(j-k)	Q
0.95	(11/10/200	5.4	(5/19/2009)	(0.95 - 5.4)/(2 - 1)	-4.45
1.6	(2/11/2010)	5.4	(5/19/2009)	(1.6 - 5.4)/(3 - 1)	-1.9
5.6	(5/19/2010)	5.4	(5/19/2009)	(5.6 - 5.4)/(4 - 1)	0.0666667
7.8	(8/19/2010)	5.4	(5/19/2009)	(7.8 - 5.4)/(5 - 1)	0.6
6.3	(10/26/2010	5.4	(5/19/2009)	(6.3 - 5.4)/(6 - 1)	0.18
6.6	(4/19/2011)	5.4	(5/19/2009)	(6.6 - 5.4)/(7 - 1)	0.2
1.6	(2/11/2010)	0.95	(11/10/200	(1.6 - 0.95)/(3 - 2)	0.65
5.6	(5/19/2010)	0.95	(11/10/200	(5.6 - 0.95)/(4 - 2)	2.325
7.8	(8/19/2010)	0.95	(11/10/200	(7.8 - 0.95)/(5 - 2)	2.28333
6.3	(10/26/2010	0.95	(11/10/200	(6.3 - 0.95)/(6 - 2)	1.3375
6.6	(4/19/2011)	0.95	(11/10/200	(6.6 - 0.95)/(7 - 2)	1.13
5.6	(5/19/2010)	1.6	(2/11/2010)	(5.6 - 1.6)/(4 - 3)	4
7.8	(8/19/2010)	1.6	(2/11/2010)	(7.8 - 1.6)/(5 - 3)	3.1
6.3	(10/26/2010	1.6	(2/11/2010)	(6.3 - 1.6)/(6 - 3)	1.56667
6.6	(4/19/2011)	1.6	(2/11/2010)	(6.6 - 1.6)/(7 - 3)	1.25
7.8	(8/19/2010)	5.6	(5/19/2010)	(7.8 - 5.6)/(5 - 4)	2.2
6.3	(10/26/2010	5.6	(5/19/2010)	(6.3 - 5.6)/(6 - 4)	0.35
6.6	(4/19/2011)	5.6	(5/19/2010)	(6.6 - 5.6)/(7 - 4)	0.333333
6.3	(10/26/2010	7.8	(8/19/2010)	(6.3 - 7.8)/(6 - 5)	-1.5
6.6	(4/19/2011)	7.8	(8/19/2010)	(6.6 - 7.8)/(7 - 5)	-0.6
6.6	(4/19/2011)	6.3	(10/26/2010	(6.6 - 6.3)/(7 - 6)	0.3

Number of Q values = 21

Ordered Q Values

n	Q
1	-4.45
2	-1.9
3	-1.5
4	-0.6
5	0.0666667
6	0.18
7	0.2
8	0.3
9	0.333333
10	0.35
11	0.6
12	0.65
13	1.13
14	1.25
15	1.3375
16	1.56667

17	2.2
18	2.28333
19	2.325
20	3.1
21	4

Sen's Estimator (Median Q) is 0.6

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1
10/26/2010	1
4/19/2011	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 798
b = 1890
c = 84
Group Variance = 44.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 10.952
M1 = (21 - 10.952)/2.0 = 5.02401
M2 = (21 + 10.952)/2.0 + 1 = 16.976
Lower limit is 0.0666667
Upper limit is 2.2
0.0666667 > 0 indicating an upward trend in data.

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-1D

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	(Xj - Xk)/(j-k)	Q
0.0049 (11/10/20	0.0031 (5/19/20	(0.0049 - 0.0031)/(2 - 1)	0.0018
0.021 (2/11/201	0.0031 (5/19/20	(0.021 - 0.0031)/(3 - 1)	0.00895
0.0042 (5/19/200	0.0031 (5/19/20	(0.0042 - 0.0031)/(4 - 1)	0.000366667
0.005 (8/19/201	0.0031 (5/19/20	(0.005 - 0.0031)/(5 - 1)	0.000475
0.0034 (10/26/2	0.0031 (5/19/20	(0.0034 - 0.0031)/(6 - 1)	6e-005
0.0046 (4/19/200	0.0031 (5/19/20	(0.0046 - 0.0031)/(7 - 1)	0.00025
0.021 (2/11/201	0.0049 (11/10/2	(0.021 - 0.0049)/(3 - 2)	0.0161
0.0042 (5/19/200	0.0049 (11/10/2	(0.0042 - 0.0049)/(4 - 2)	-0.00035
0.005 (8/19/201	0.0049 (11/10/2	(0.005 - 0.0049)/(5 - 2)	3.33333e-005
0.0034 (10/26/2	0.0049 (11/10/2	(0.0034 - 0.0049)/(6 - 2)	-0.000375
0.0046 (4/19/200	0.0049 (11/10/2	(0.0046 - 0.0049)/(7 - 2)	-6e-005
0.0042 (5/19/200	0.021 (2/11/201	(0.0042 - 0.021)/(4 - 3)	-0.0168
0.005 (8/19/201	0.021 (2/11/201	(0.005 - 0.021)/(5 - 3)	-0.008
0.0034 (10/26/2	0.021 (2/11/201	(0.0034 - 0.021)/(6 - 3)	-0.00586667
0.0046 (4/19/200	0.021 (2/11/201	(0.0046 - 0.021)/(7 - 3)	-0.0041
0.005 (8/19/201	0.0042 (5/19/20	(0.005 - 0.0042)/(5 - 4)	0.0008
0.0034 (10/26/2	0.0042 (5/19/20	(0.0034 - 0.0042)/(6 - 4)	-0.0004
0.0046 (4/19/200	0.0042 (5/19/20	(0.0046 - 0.0042)/(7 - 4)	0.000133333
0.0034 (10/26/2	0.005 (8/19/201	(0.0034 - 0.005)/(6 - 5)	-0.0016
0.0046 (4/19/200	0.005 (8/19/201	(0.0046 - 0.005)/(7 - 5)	-0.0002
0.0046 (4/19/200	0.0034 (10/26/2	(0.0046 - 0.0034)/(7 - 6)	0.0012

Number of Q values = 21

Ordered Q Values

n	Q
1	-0.0168
2	-0.008
3	-0.00586667
4	-0.0041
5	-0.0016
6	-0.0004
7	-0.000375
8	-0.00035
9	-0.0002
10	-6e-005
11	3.33333e-005
12	6e-005
13	0.000133333
14	0.00025
15	0.000366667
16	0.000475

17	0.0008
18	0.0012
19	0.0018
20	0.00895
21	0.0161

Sen's Estimator (Median Q) is 3.33333e-005

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1
10/26/2010	1
4/19/2011	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 798
b = 1890
c = 84
Group Variance = 44.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 10.952
M1 = (21 - 10.952)/2.0 = 5.02401
M2 = (21 + 10.952)/2.0 + 1 = 16.976
Lower limit is -0.0016
Upper limit is 0.0008
-0.0016 < 0 < 0.0008 indicating no trend in data.

Sen's Slope Analysis

Parameter: Tetrachloroethene

Well: MW-11

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Xj	Xk	(Xj - Xk)/(j-k)	Q
0.0077 (11/10/20	0.0064 (5/19/20	(0.0077 - 0.0064)/(2 - 1)	0.0013
1 (2/11/2010)	0.0064 (5/19/20	(1 - 0.0064)/(3 - 1)	0.4968
0.004 (5/19/201	0.0064 (5/19/20	(0.004 - 0.0064)/(4 - 1)	-0.0008
0.0036 (8/19/200	0.0064 (5/19/20	(0.0036 - 0.0064)/(5 - 1)	-0.0007
1 (2/11/2010)	0.0077 (11/10/2	(1 - 0.0077)/(3 - 2)	0.9923
0.004 (5/19/201	0.0077 (11/10/2	(0.004 - 0.0077)/(4 - 2)	-0.00185
0.0036 (8/19/200	0.0077 (11/10/2	(0.0036 - 0.0077)/(5 - 2)	-0.00136667
0.004 (5/19/201	1 (2/11/2010)	(0.004 - 1)/(4 - 3)	-0.996
0.0036 (8/19/201	(2/11/2010)	(0.0036 - 1)/(5 - 3)	-0.4982
0.0036 (8/19/200	0.004 (5/19/201	(0.0036 - 0.004)/(5 - 4)	-0.0004

Number of Q values = 10

Ordered Q Values

n	Q
1	-0.996
2	-0.4982
3	-0.00185
4	-0.00136667
5	-0.0008
6	-0.0007
7	-0.0004
8	0.0013
9	0.4968
10	0.9923

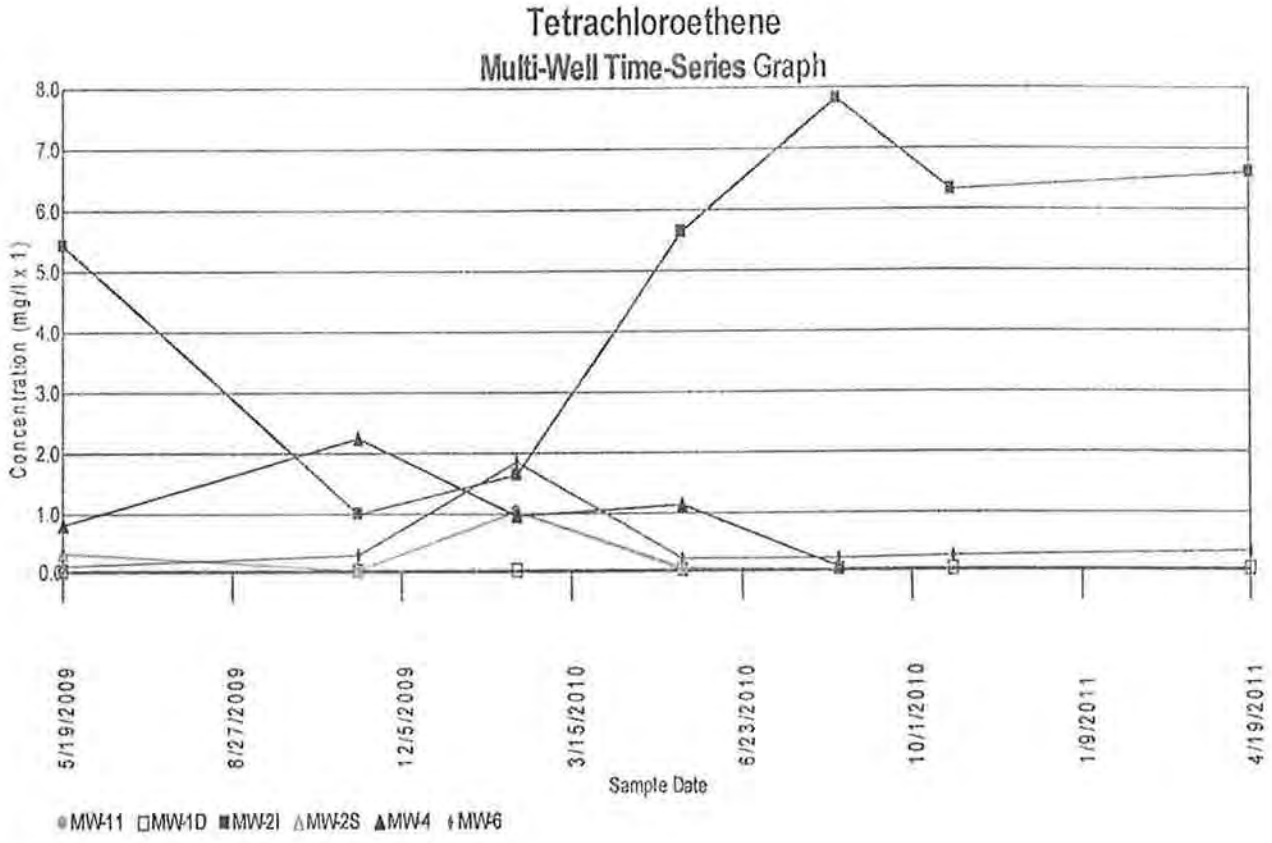
Sen's Estimator (Median Q) is -0.00075

Time Period	Observations
5/19/2009	1
11/10/2009	1
2/11/2010	1
5/19/2010	1
8/19/2010	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 300
b = 540
c = 40

Group Variance = 16.6667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 6.71508
M1 = (10 - 6.71508)/2.0 = 1.64246
M2 = (10 + 6.71508)/2.0 + 1 = 9.35754
Lower limit is -0.4982
Upper limit is 0.4968
-0.4982 < 0 < 0.4968 indicating no trend in data.


Tetrachloroethene
Multi-Well Time-Series Graph
Concentration (mg/l x 1)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
5/19/2009
8/27/2009
12/5/2009
3/15/2010
6/23/2010
10/1/2010
1/9/2011
4/19/2011
Sample Date
MW-11 MW-1D MW-2I MW-2S MW-4 MW-6


Tetrachloroethene
Box Plot
Concentration (mg/l x 1)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
MW-11
MW-1D
MW-2I
MW-2S
MW-4
MW-6
Well

Concentrations (mg/l)

Parameter: Tetrachloroethene

Log Base 10 Transformation
Non-Detects Replaced with Detection Limit
Total Samples: 36
Total Non-Detect: 0
Percent Non-Detects: 0%
Total Background Samples: 0
There are 0 background wells

Well	Samples	ND	Date	Result	Original

There are 6 compliance wells

Well	Samples	ND	Date	Result	Original
MW-11	5	0 (0%)	5/19/2009	-2.19382	0.0064
			11/10/2009	-2.11351	0.0077
			2/11/2010	0	1
			5/19/2010	-2.39794	0.004
			8/19/2010	-2.4437	0.0036
MW-1D	7	0 (0%)	5/19/2009	-2.50864	0.0031
			11/10/2009	-2.3098	0.0049
			2/11/2010	-1.67778	0.021
			5/19/2010	-2.37675	0.0042
			8/19/2010	-2.30103	0.005
			10/26/2010	-2.46852	0.0034
			4/19/2011	-2.33724	0.0046
MW-2I	7	0 (0%)	5/19/2009	0.732394	5.4
			11/10/2009	-0.0222764	0.95
			2/11/2010	0.20412	1.6
			5/19/2010	0.748188	5.6
			8/19/2010	0.892095	7.8
			10/26/2010	0.799341	6.3
			4/19/2011	0.819544	6.6
MW-2S	5	0 (0%)	5/19/2009	-0.508638	0.31
			11/10/2009	-2.46852	0.0034
			2/11/2010	0	1
			5/19/2010	-1.38722	0.041
			8/19/2010	-2	0.01
MW-4	5	0 (0%)	5/19/2009	-0.119186	0.76
			11/10/2009	0.342423	2.2
			2/11/2010	-0.0457575	0.9
			5/19/2010	0.0413927	1.1
			8/19/2010	-1.29243	0.051
MW-6	7	0 (0%)	5/19/2009	-1.05552	0.088
			11/10/2009	-0.568636	0.27
			2/11/2010	0.255273	1.8
			5/19/2010	-0.677781	0.21
			8/19/2010	-0.677781	0.21
			10/26/2010	-0.619789	0.24

			4/19/2011	-0.49485	0.32

There are 0 unused wells

Well	Samples	ND	Date	Result	Original

Basic Statistics

Parameter: Tetrachloroethene

Log Base 10 Transformation
Non-Detects Replaced with Detection Limit

	Total Observations
36	
Total Non-Detects	0
Pooled Mean	-0.895343
Pooled Std Dev	1.1888
Background Mean	0
Background Std Dev	0

Background Wells

There are 0 background wells

Well	Samples	Non-Detects	% ND	Total

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean

Compliance Wells

There are 6 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-11	5	0	0	-9.14897
MW-1D	7	0	0	-15.9798
MW-2I	7	0	0	4.1734
MW-2S	5	0	0	-6.36438
MW-4	5	0	0	-1.07356
MW-6	7	0	0	-3.83908

Well	Mean	Std Dev	Dif From Bk	Std Err	Rank Sum	Rank Mean
MW-11	-1.82979	1.03209	-1.82979	0	56	11.2
MW-1D	-2.28282	0.278207	-2.28282	0	46	6.57143
MW-2I	0.596201	0.355104	0.596201	0	224	32
MW-2S	-1.27288	1.02172	-1.27288	0	77	15.4
MW-4	-0.214712	0.627522	-0.214712	0	121	24.2
MW-6	-0.54844	0.396844	-0.54844	0	142	20.2857

Analysis of Variance Statistics

SS Wells	37.286
SS Total	49.4634

Kruskal-Wallis Statistics

Non-Detect Rank	0
Background Rank Sum	0
Background Rank Mean	0
H Statistic	24.9645
H Adjusted for Ties	24.9645