



October 30, 2009

Mr. Forest Arnold  
Oil Control Program  
Maryland Department of the Environment  
1800 Washington Blvd., Suite 620  
Baltimore, MD 21230-1719

RE: **THIRD QUARTER 2009 MONITORING REPORT**  
Former Shell Station #137675  
15541 New Hampshire Ave., Silver Spring, MD  
MDE Case #03-0695 MO1

Dear Mr. Arnold:

Groundwater & Environmental Services, Inc. (GES), on behalf of Motiva Enterprises LLC (Motiva), respectfully submits the Third Quarter 2009 Monitoring Report for the abovementioned site. The following activities were conducted during this monitoring period:

- Quarterly gauging of 36 monitoring wells and two tank field wells;
- Quarterly sampling of 36 monitoring wells on September 23, 2009;
- On September 10, 2009, water samples were collected from former and active potable wells located at the following addresses:
  - 600 Bryants Nursery Road
  - 610 Bryants Nursery Road
  - 611 Bryants Nursery Road
  - 621 Bryants Nursery Road
  - 640 Bryants Nursery Road
  - 651 Bryants Nursery Road
  - 660 Bryants Nursery Road
  - 661 Bryants Nursery Road
  - 670 Bryants Nursery Road
  - 700 Bryants Nursery Road
  - 710 Bryants Nursery Road
  - 711 Bryants Nursery Road
  - 720 Bryants Nursery Road
  - 721 Bryants Nursery Road
  - 730 Bryants Nursery Road
  - 731 Bryants Nursery Road
- The P&T system operated for 80 out of 90 days during this monitoring period (based on the system operational reporting period between June 16, 2009 – September 15, 2009);
- Twice monthly remediation system operation and maintenance checks;
- Twice monthly remediation system sampling activities,



- The Soil Vapor Extraction (SVE) system at the site remains off;
- Submitted a Revised Pump Test Work Plan to the MDE on July 31, 2009;
- Received Pumping Test Work Plan Approval from the MDE on August 7, 2009; and
- Conducted pumping test as outlined in the Revised Pump Test Work Plan from August 24, 2009 to August 28, 2009.

The tankfield wells TF-1 and TF-2 were not sampled this quarter as they contained an insufficient quantity of groundwater. The former potable well located at 741 Bryants Nursery Road (BNR) has been noted as dry during previous events, therefore the well was not sampled this period. Active potable water samples were not able to be collected from 701 BNR as the residents were not available.

GES appreciates the continued guidance of the MDE on this project. If you have any questions or would like additional information please contact the undersigned at 1-800-220-3606, extension 3726 or 3704, respectively, or Douglas Weimer at (703) 272-7097.

Sincerely,

A handwritten signature in black ink, appearing to read 'Pete Reichardt', written over a large, stylized circular flourish.

Pete Reichardt  
Project Hydrogeologist

A handwritten signature in black ink that reads 'A. Ashley Bell'.

A. Ashley Bell, PG  
Senior Project Manager

Enclosure

c: Douglas Weimer, Shell  
George Rudy, Integrated System Technology - [gcrudy@earthlink.com](mailto:gcrudy@earthlink.com)  
Reference Librarian, Fairland Regional Library, 14910 Old Columbia Pike, Burtonsville, MD 20866  
File, GES-MD  
Philip Mitchell, Mitchell Companies



**MDE Contact:** Mr. Forest Arnold, Maryland Department of the Environment  
**Consultant Contact:** A. Ashley Bell, Groundwater and Environmental Services, Inc, Crofton, MD  
**Motiva Contact:** Douglas Weimer, Shell Oil Products US, Fairfax, VA

**SITE DISCRPTION:**

Site Use: Former Shell service station, currently active Citgo station  
Surrounding Area: The Site is located in a mixed commercial and residential area.  
Lithology: The overburden and bedrock geology of the Site area in Montgomery County is primarily comprised of schist containing mica, chlorite, quartz pelitic; with metagraywacke, gneiss and quartz veins. The schist is foliated with interlocking plates of mica and phyllite. Foliation dips steeply east or west. Fractures are parallel to the foliation and are often filled with clay. The overburden which is formed as rolling upland and steep sided strike valleys is rarely more than 100 feet thick. The overburden consists of weathered schist and a micaceous saprolite. Based on the geologic map review, primary geologic features strike approximately North-South and dip approximately East-West.  
Sensitive Receptors: -Basements/Underground Receptors – There are single-family homes, many with basements, northwest of the site on Bryants Nursery Road.  
-Surface Water/ Wetlands – The Bryants Nursery Run and Storm Water Runoff Ponds.  
-Potable Wells – There are potable wells in use within 2,500 feet of the station on New Hampshire Avenue and Bryants Nursery Road. A public water main (WSSC) has been installed on Bryants Nursery Road extending to houses 710 and 711. At the time of this report, all homes which can be connected, are connected to this water main. All potable carbon treatment units have been removed at this time.  
Date of Work Plan Approval: October 24, 2008  
Date of Most Recent  
Regulatory Correspondence: August 7, 2009. (Pumping Test Work Plan Approval)

**HISTORICAL ACTIVITY SUMMARY:**

September 2002: Shell station was closed for business.  
November 25-27, 2002: Underground storage tank (UST) and line removal activities took place. Three 10,000-gallon gasoline USTs, three hydraulic lifts, one 1,000-gallon heating oil UST, and one 1,000-gallon used oil UST were removed from the ground.  
February 13, 2003: A Workplan & Tank Removal Report was submitted to the Maryland Department of the Environment (MDE) to include plans to install four monitoring wells on site.  
August 28, 2003: The MDE gave verbal direction to Shell to sample the area potable wells.  
September 8, 2003: The first round of potable well sampling was initiated. Only two potable well samples were collected.  
September 11, 2003: Shell OPUS, EnviroTrac, DPI, and MDE personnel attended a meeting at the MDE office regarding the site.

**HISTORICAL ACTIVITY SUMMARY (Continued.):**

October 5, 2003: The second round of potable well sampling was initiated.

November 26, 2003: Point of Entry Treatment (POET) filtration systems were installed on potable wells for three homes.

December 22, 2003  
through January 1, 2004: Monitoring wells MW-1 through MW-6 were installed.

February 17-25, 2004: Monitoring wells MW-5S, 6S, 6D, 7S, 8S, 8D, and 9S were installed.

March 16-25, 2004: Monitoring wells MW-5D, MW-7D, MW-9D, and MW-10 were installed.

March 18, 2004: A Soil Vapor Extraction (SVE) test was performed on site monitoring wells.

April 27 - 28, 2004: Monitoring wells MW-11S and MW-11D were installed.

May 24, 2004: Community Public meeting to present information collected to date.

June 1-18, 2004: Bedrock wells MW-5R, MW-6R, and MW-11R were installed, including rock coring, packer & geophysical testing.

June 14-16, 2004: Trenching and pump and treat (P&T) system were installed.

July 22, 2004: P&T System was started.

August 27, 2004: Pump test to determine radius on MW-5D was conducted.

August 30, 2004: Pump test to determine radius on MW-6D was conducted.

September 10, 2004: On-site SVE test was conducted.

September 27, 2004: Community Public meeting to present information collected to date.

March 30, 2005: SVE system was started.

July 2005: The potable well at 750 Bryants Nursery Rd. was reconstructed as 750 BN-S, -D and -R (Shallow, Deep and Rock).

September 23, 2005: The MDE approved the proposed extension of the P&T system across New Hampshire Avenue to monitoring wells MW-5S, MW-11S, MW-6D, and MW-8D if further remediation was needed.

December 22, 2005: Road Opening Permit was approved by Montgomery County to conduct horizontal drilling under New Hampshire Avenue and extend remediation system piping to monitoring wells across New Hampshire Avenue.

January 5, 2006: Road Opening Permit was approved by the State Highway Administration.

March 22, 2006: Carbon was changed in the P&T granulated activated carbon (GAC) units.

August 2006: The case was transferred from EnviroTrac to GES. The MDE sent an update letter regarding the Site to the Cloverly Civic Association.

March 5, 2007: The MDE sent a letter to the resident at 660 Bryants Nursery Road indicating that Shell would be sampling their potable well on a monthly basis for a period of one year and indicating that hydrofracturing during the installation of their new potable well might have contributed to the initial detections of petroleum constituents in their new well.

March 7, 2007: The MDE issued a letter indicating that the remediation shed must be upgraded by March 30, 2007.

May 4, 2007: A Subsurface Investigation Work Plan was submitted to convert the former potable well at 730 Bryants Nursery Road to contain deep and rock groundwater monitoring points. A Pilot Test Work Plan to address the off site impacts in the deep groundwater aquifer was submitted.

May 15, 2007: The MDE approved the Subsurface Investigation Work Plan.

May 16, 2007: The MDE approved the Pilot Test Work Plan.

June 11, 2007: Monitoring well MW-12 was installed in the vicinity of monitoring wells MW 6S, MW-6D, and MW-6R to conduct pilot testing activities.



**HISTORICAL ACTIVITY SUMMARY (Continued):**

June 19-20, 2007:	Pilot testing activities of the deep offsite aquifer were conducted.
August 14, 2007:	A SVE system shut-down request was submitted to the MDE.
August 30, 2007:	The MDE approved the SVE system shut-down request.
September 10, 2007:	As approved by the MDE, the SVE system was shut-down.
November 27, 2007:	The MDE sent a status letter to the Cloverly Community Association and other concerned citizens.
May 27, 2008:	The MDE issued a Corrective Action Plan (CAP) to complete a pump test, piolot test and new system design.
July 25, 2008	GES requested a 30 day extension of the CAP required by the MDE.
September 9, 2008	GES requested additional extension of the CAP required by the MDE due to access constraints.
September 18, 2008	GES submitted a Subsurface Investigation Work Plan of Wooded Lot
October 24, 2008	MDE approved the Subsurface Investigation Work Plan of Wooded Lot with modifications.
October 30 to November 18, 2008:	Monitoring wells MW-13S/D, MW-14S/D and MW-15S/D were installed in the wooded lot on Bryants Nursery Road.
December 12, 2008:	GES submitted Wooded Lot Site Assesment Report to MDE containing a work plan for additional delination work.
January 27, 2008:	MDE approved work plan for additional delination on the wooded lot.
March 4 to 30, 2009:	Monitoring wells MW-16S/D, MW-17S/D/W and MW-18 were installed on the wooded lot on Bryants Nursery Road and in front of the residence on the church property.
March 5, 2009:	MDE sent Site Status Letter to property owner P. Golkin.
July 31, 2009	Submitted a Revised Pump Test Work Plan to the MDE
August 7, 2009	Received Pumping Test Work Plan Approval from the MDE
August 24-28, 2009	Conducted pumping test as outlined in the Revised Pump Test Work Plan

**FIELD ACTIVITIES:**

Well Gauging and Manual Bailing:	Quarterly
Groundwater Sampling and Reporting:	Quarterly
Residential Well Sampling	-Water samples were collected from potable wells located at the following addresses:
	-600 Bryants Nursery Road
	-610 Bryants Nursery Road
	-611 Bryants Nursery Road
	-621 Bryants Nursery Road
	-640 Bryants Nursery Road
	-651 Bryants Nursery Road
	-660 Bryants Nursery Road
	-661 Bryants Nursery Road
	-670 Bryants Nursery Road
	-700 Bryants Nursery Road



**FIELD ACTIVITIES (Continued):**

<p>Operations and Maintenance</p> <p>Other:</p>	<p>-Water samples were collected from former potable wells located at the following addresses:        -710 Bryants Nursery Road        -711 Bryants Nursery Road        -720 Bryants Nursery Road        -721 Bryants Nursery Road        -730 Bryants Nursery Road        -731 Bryants Nursery Road</p> <p>-Twice Monthly Remediation System Operation and Maintenance Checks</p> <p>-Twice Monthly Remediation System Sampling Activities</p> <p>Pumping test conducted from August 24, 2009 to August 28, 2009</p>
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**QUARTERLY DATA SUMMARY:**

<p>Groundwater Sampling Date:</p> <p># of Wells/# Sampled:</p> <p>Groundwater Flow Direction:</p> <p>Maximum Benzene Concentration:</p> <p>Maximum BTEX Concentration:</p> <p>Maximum MTBE Concentration:</p> <p>Maximum TPH-DRO Concentration:</p> <p>Maximum TPH-GRO Concentration:</p> <p>Maximum LPH Thickness:</p> <p>LPH Recovery Amounts        (Quarterly/Cumulative Total to Date):</p>	<p>September 23, 2009</p> <p>38 (including tankfield wells) / 36</p> <p>Northwest, and Radially towards recovery well RW-3</p> <p>133 µg/L (MW-16S)</p> <p>173 µg/L (MW-16S)</p> <p>13,800 µg/L (MW-6D)</p> <p>279 µg/L (MW-16S)</p> <p>6,810 µg/L (MW-6D)</p> <p>None detected historically</p> <p>0.00 / 0.00 gallons</p>
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**REMEDIAL SYSTEM DATA:**

<p>System Type:</p> <p>Permits:</p> <p>Groundwater Recovery        (Period/Cumulative):</p> <p>Dissolved-Phase BTEX Recovery        (Period/Cumulative):</p> <p>Dissolved-Phase MTBE Recovery        (Period/Cumulative):</p> <p>Dissolved Phase TPH-GRO Recovery        (Period/Cumulative):</p> <p>Vapor Phase &gt;C<sub>4</sub> – C<sub>10</sub> Recovery        (Period/Cumulative):</p>	<p>Groundwater Pump and Treat (P&amp;T) / Soil Vapor Extraction (SVE) – SVE system has been deactivated (September 10, 2007)</p> <p>General Discharge permit (groundwater) #2008-OGR-6723</p> <p>160,103 gallons / 5,493,021 gallons</p> <p>0.1 pounds / 6.0 pounds</p> <p>0.0 pounds / 200 pounds</p> <p>0.5 pounds / 4.5 pounds</p> <p>0 pounds / 1,572 pounds</p>
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Wells Used During Reporting Period: RW-1, RW-3, RW-10  
System Operating Days (Groundwater Pump and Treat): 80 days

**Note:** The remedial reporting period for the third quarter is from June 16, 2009 – September 15, 2009.

**ATTACHMENTS:**

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Figure 1 Site Location Map  
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Table 3 Groundwater Recovery Data Table  
Table 4 Soil Vapor Extraction Recovery Data Table

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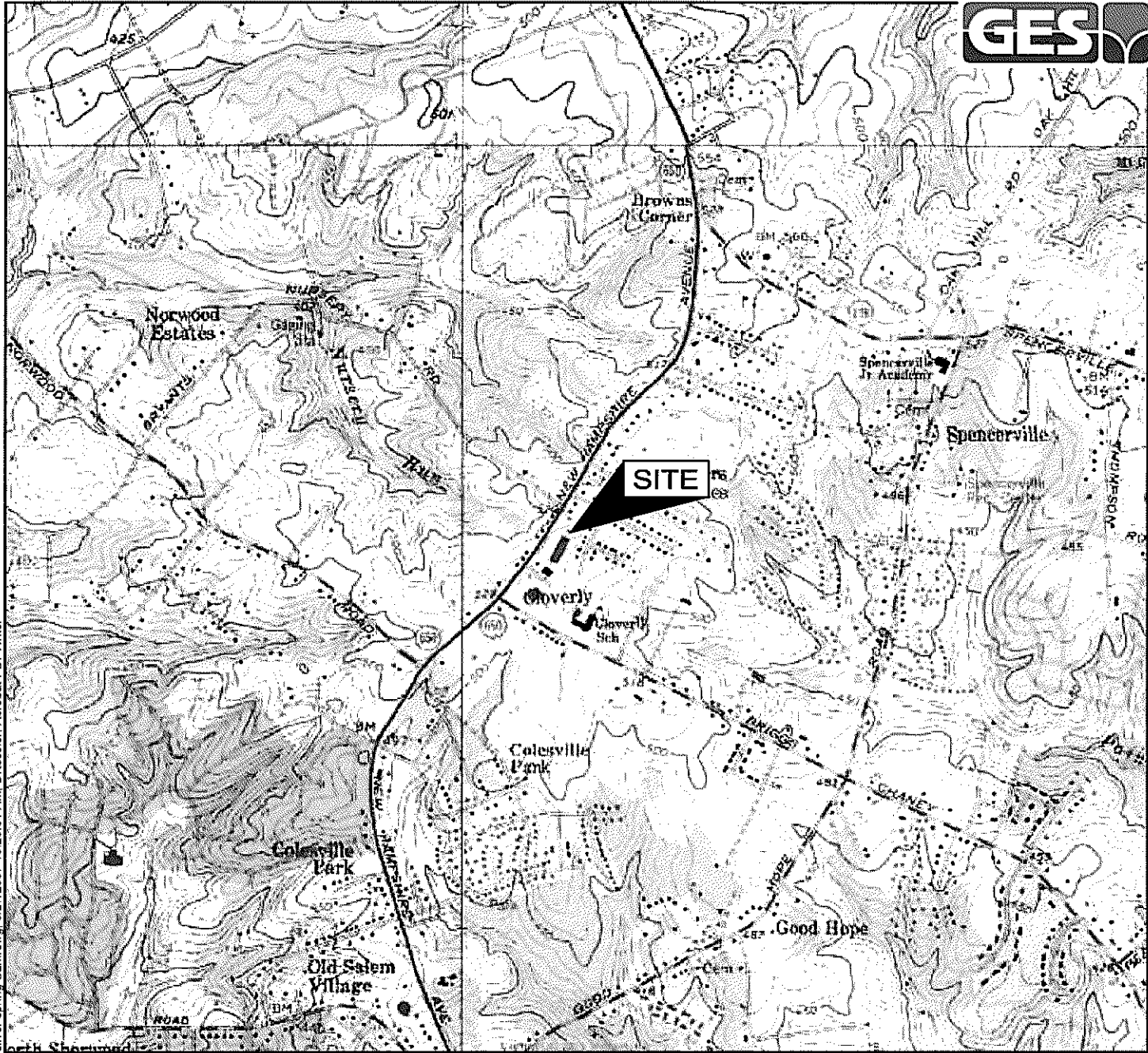
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Appendix A Laboratory Report and Chain-of-Custody Documentation  
Appendix B Quarterly Engineering Graphs

## **FIGURES**

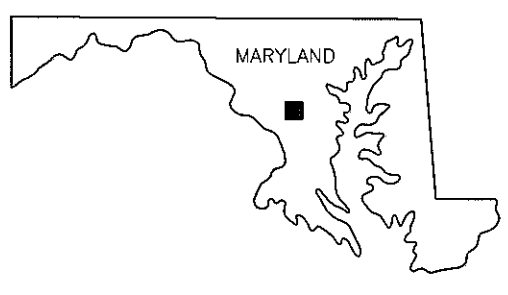
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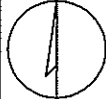
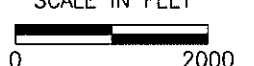


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SOURCE: USGS 7.5 MINUTE SERIES  
 TOPOGRAPHIC QUADRANGLE 1979  
 BELTSVILLE, MARYLAND  
 CONTOUR INTERVAL = 10'



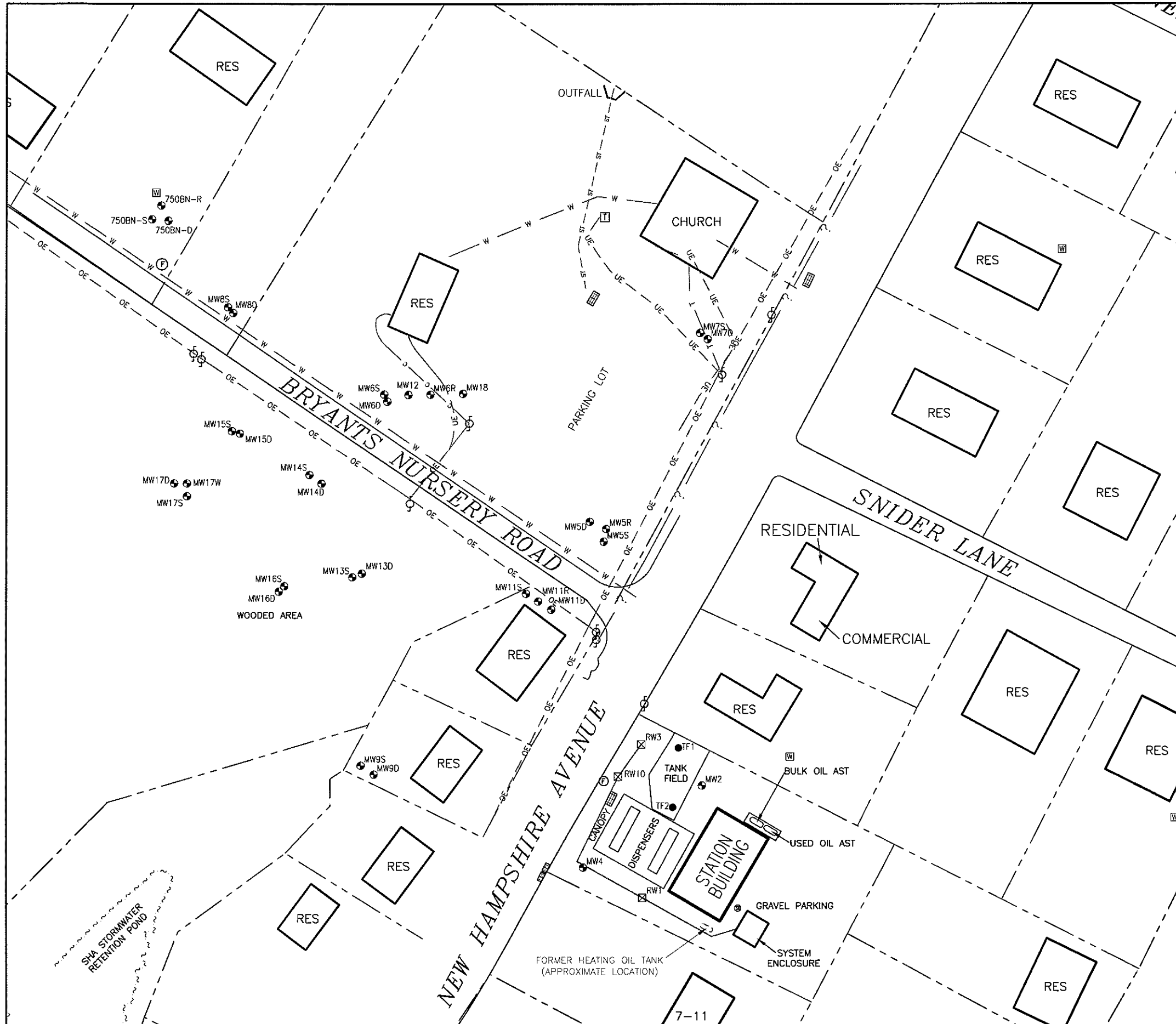
QUADRANGLE LOCATION

DRAFTED BY: D.M.K. (N.J.)	<b>SITE LOCATION MAP</b>	
CHECKED BY:	<b>SHELL OIL PRODUCTS, US SHELL SERVICE STATION #137675 15541 NEW HAMPSHIRE AVENUE SILVER SPRING, MARYLAND</b>	
REVIEWED BY:	<b>Groundwater &amp; Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114</b>	
NORTH 	SCALE IN FEET 	DATE 3-27-07
		FIGURE

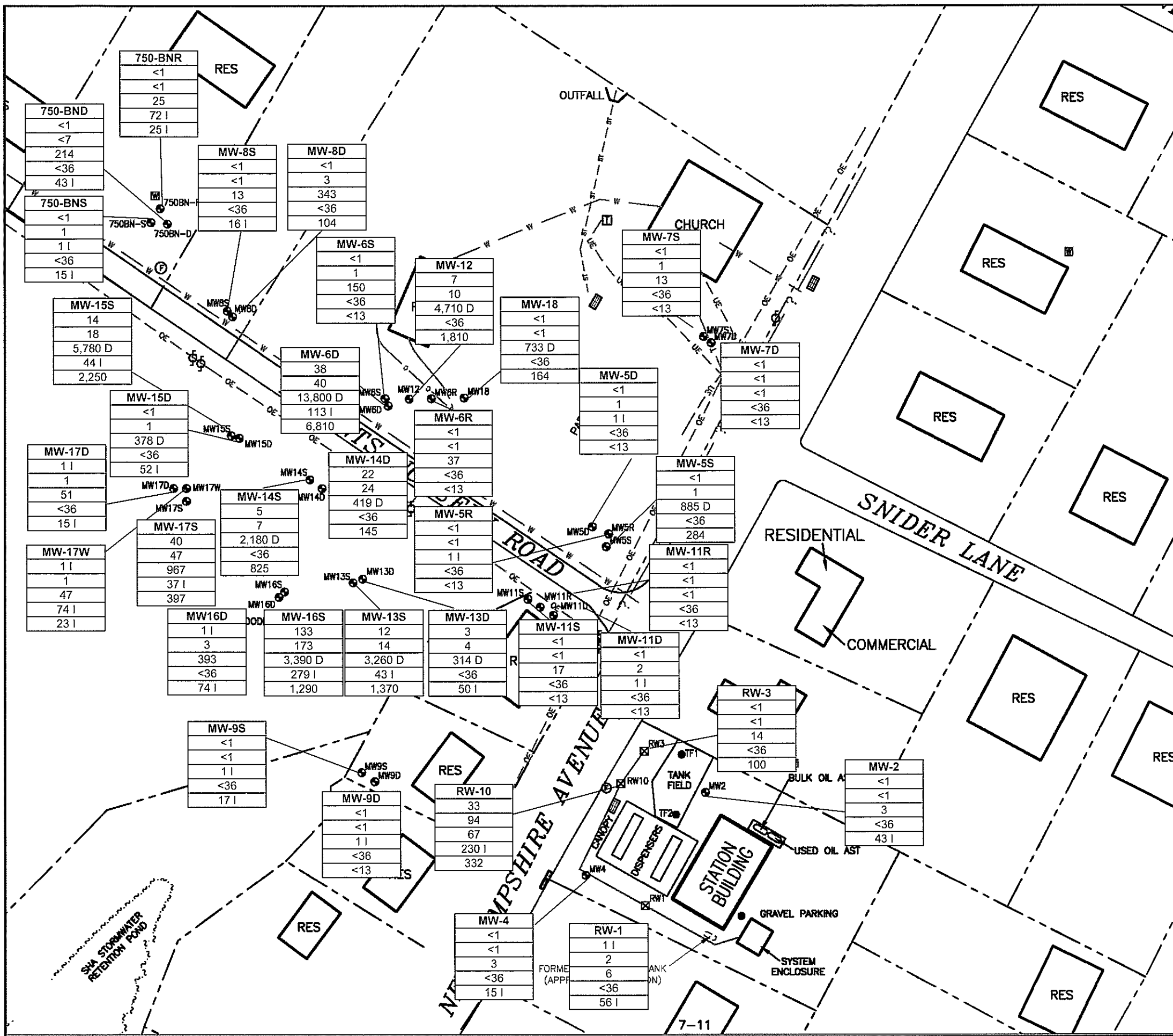


LEGEND

- PROPERTY BOUNDARY
- [ ] CATCH BASIN
- (F) FIRE HYDRANT
- (S) SEWER INJECTOR & VENT
- (U) UTILITY POLE
- (T) ELECTRICAL TRANSFORMER
- (L) AREA LIGHT POLE
- AST ABOVEGROUND STORAGE TANK
- (W) POTABLE WELL
- (●) TANK FIELD WELL
- (X) RECOVERY WELL
- (⊕) MONITORING WELL
- SYSTEM TRENCH
- OE --- OVERHEAD ELECTRIC & TELEPHONE LINE
- T --- UNDERGROUND TELEPHONE LINE
- C --- UNDERGROUND CABLE LINE
- UE --- UNDERGROUND ELECTRIC LINE
- W --- UNDERGROUND WATER LINE
- ST --- UNDERGROUND STORM SEWER LINE



DRAFTED BY: M.L.T. (N.J.)	<b>SITE MAP</b>		
CHECKED BY:	<b>SHELL OIL PRODUCTS, US SHELL SERVICE STATION #137675 15541 NEW HAMPSHIRE AVENUE SILVER SPRING, MARYLAND</b>		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114		
NORTH 	SCALE IN FEET 	DATE 4-8-09	FIGURE
			7-11



**LEGEND**

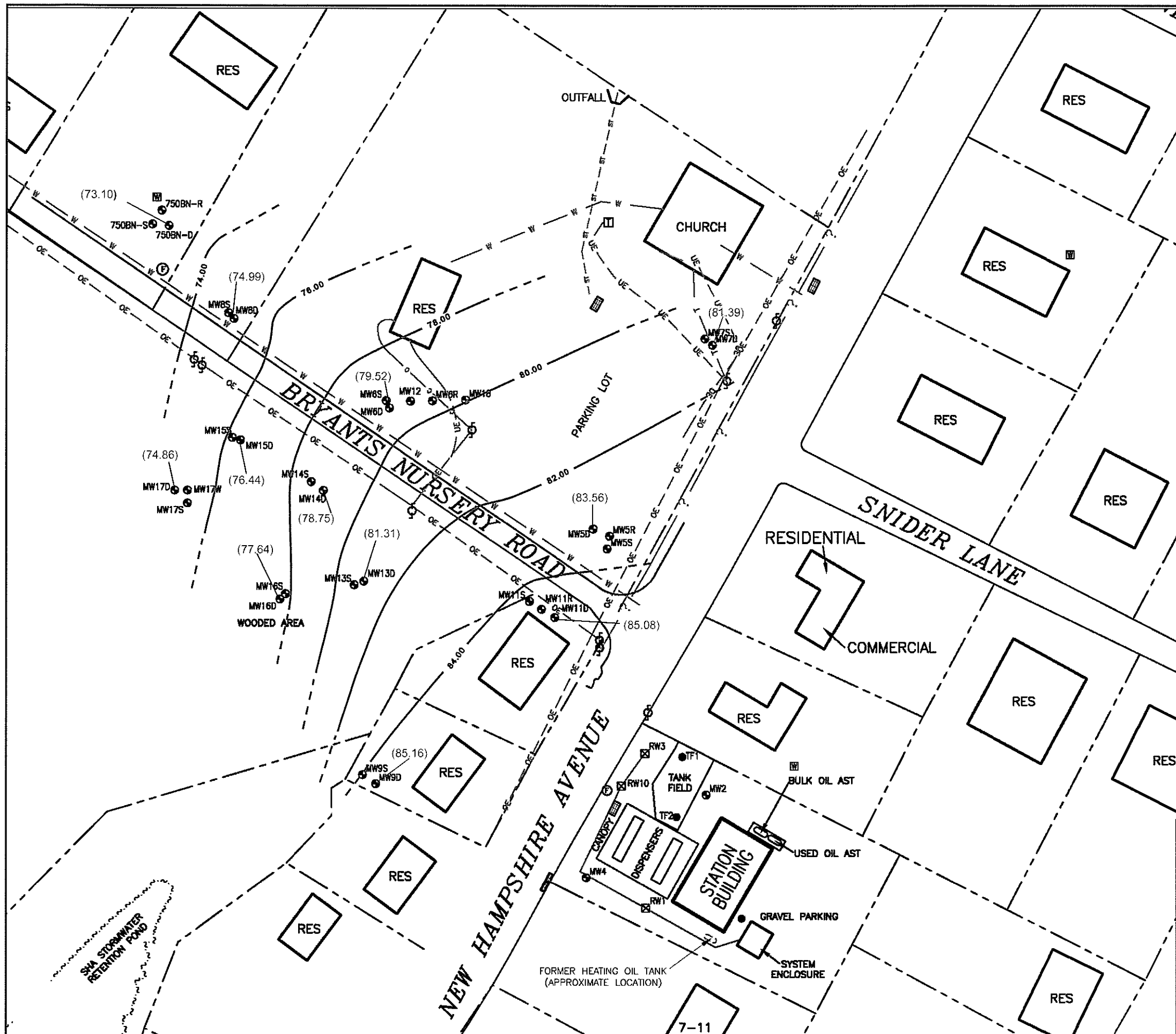
- PROPERTY BOUNDARY
- [Grid] CATCH BASIN
- [Circle with cross] FIRE HYDRANT
- [Circle with S] SEWER INJECTOR & VENT
- [Circle with dot] UTILITY POLE
- [Square with T] ELECTRICAL TRANSFORMER
- [Circle with A] AREA LIGHT POLE
- AST ABOVEGROUND STORAGE TANK
- [Square with W] POTABLE WELL
- [Circle with dot] TANK FIELD WELL
- [Square with X] RECOVERY WELL
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Sample ID
Benzene (µg/L)
Total BTEX (µg/L)
MTBE (µg/L)
TPH-DRO (µg/L)
TPH-GRO (µg/L)

- BTEX BENZENE, TOLUENE, ETHYLBENZENE, & XYLENES
- MTBE METHYL TERTIARY BUTYL ETHER
- TPH-GRO TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS
- TPH-DRO TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS
- µg/L MICROGRAMS PER LITER
- <# WHERE AN ANALYTE IS NOT DETECTED A METHOD DETECTION LIMIT IS GIVEN
- DRY INSUFFICIENT WATER FOR SAMPLING
- I THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT
- D THE SAMPLE RESULT WAS REPORTED FROM A DILUTION

NOTE: GROUNDWATER CONCENTRATIONS ARE ROUNDED TO THE NEAREST WHOLE NUMBER

DRAFTED BY:	AD	<b>GROUNDWATER CONCENTRATION MAP</b>	
		September 23, 2009	
CHECKED BY:	PR	<b>SHELL OIL PRODUCTS, US</b>	
		SHELL SERVICE STATION#137675	
REVIEWED BY:	AB	15541 NEW HAMPSHIRE AVENUE	
		SILVER SPRING, MARYLAND	
		<b>Groundwater &amp; Environmental Services, Inc.</b>	
		2142 Priest Bridge Ct, Suite 1, Crofton, Maryland 21114	
		SCALE IN FEET	DATE
		0 APPROXIMATE 80	10-19-09
		NORTH	FIGURE
		[North Arrow]	5



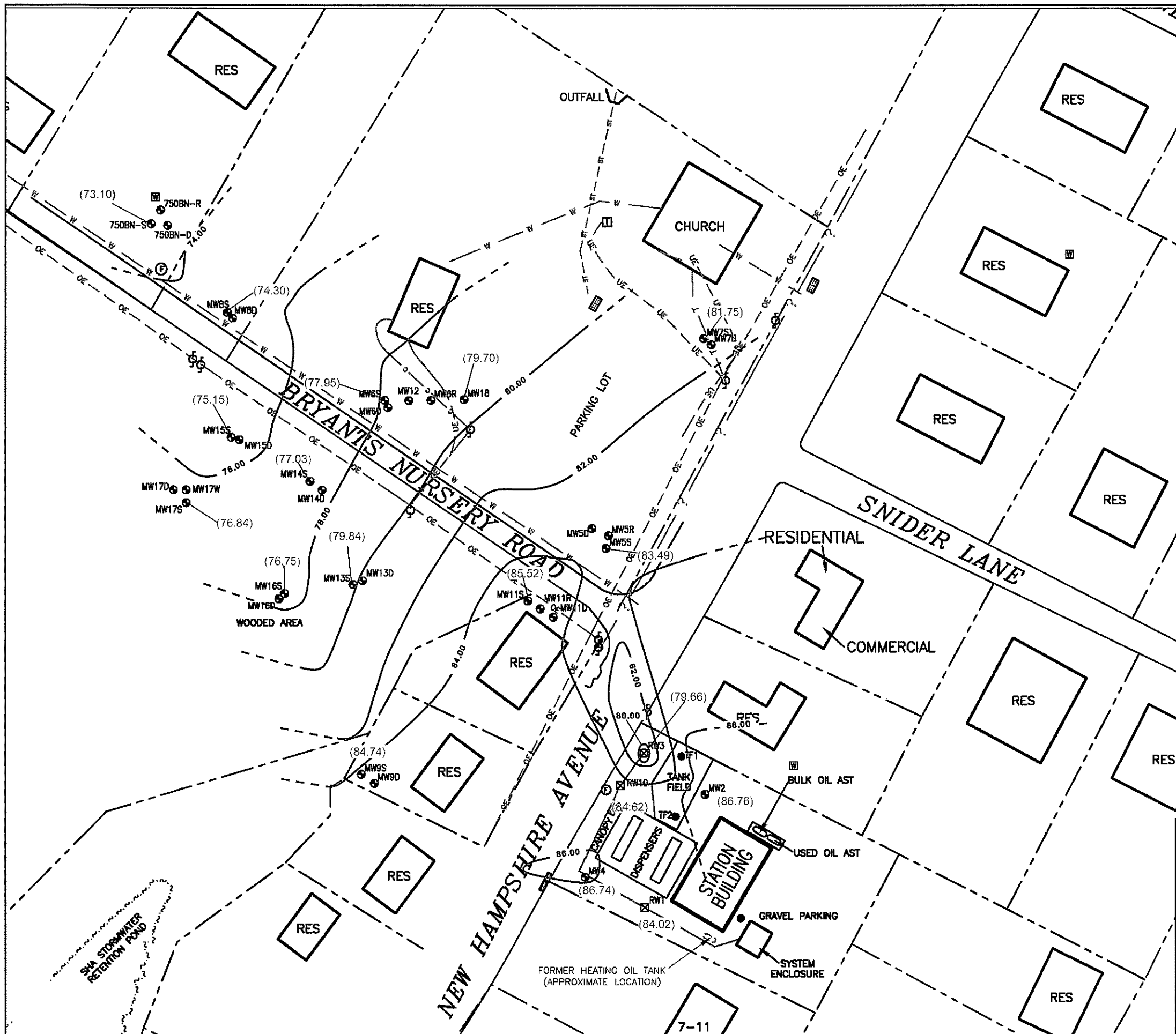
**LEGEND**

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- (S) SEWER INJECTOR & VENT
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- T — UNDERGROUND TELEPHONE LINE
- C — UNDERGROUND CABLE LINE
- UE — UNDERGROUND ELECTRIC LINE
- W — UNDERGROUND WATER LINE
- 84.00 — GROUNDWATER CONTOUR (feet)
- - - 84.00 - - - INFERRED GROUNDWATER CONTOURS (feet)
- (83.56) GROUNDWATER ELEVATION (feet)

**NOTE: ONLY THE DEEP WELLS WERE USED FOR GROUNDWATER CONTOURS, INCLUDING RECOVERY WELLS**

DRAFTED BY: AD	DEEP GROUNDWATER CONTOUR MAP September 23, 2009		
CHECKED BY: PR	SHELL OIL PRODUCTS, US SHELL SERVICE STATION#137675 15541 NEW HAMPSHIRE AVENUE SILVER SPRING, MARYLAND		
REVIEWED BY: AB	<b>Groundwater &amp; Environmental Services, Inc.</b> 2142 Priest Bridge Ct, Suite 1, Crofton, Maryland 21114		
NORTH 	SCALE IN FEET  0 APPROXIMATE 80	DATE 10-19-09	FIGURE

L:\Projects\Shell Oil\Active\MD\Silver Spring - 15541 New Hampshire Ave - 137675\GAMA Graphics\2009\Q3 GWCM 15541 New Hampshire GWS Date.doc



**LEGEND**

- PROPERTY BOUNDARY
- [Grid] CATCH BASIN
- (F) FIRE HYDRANT
- (S) SEWER INJECTOR & VENT
- (U) UTILITY POLE
- [T] ELECTRICAL TRANSFORMER
- (A) AREA LIGHT POLE
- AST ABOVEGROUND STORAGE TANK
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- (M) MONITORING WELL
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- T — UNDERGROUND TELEPHONE LINE
- C — UNDERGROUND CABLE LINE
- UE — UNDERGROUND ELECTRIC LINE
- W — UNDERGROUND WATER LINE
- 84.00 --- GROUNDWATER CONTOUR (feet)
- 84.00 --- INFERRED GROUNDWATER CONTOURS (feet)
- (86.76) GROUNDWATER ELEVATION (feet)

**NOTE: ONLY THE SHALLOW WELLS WERE USED FOR GROUNDWATER CONTOURS, INCLUDING RECOVERY WELLS**

DRAFTED BY: AD	<b>SHALLOW GROUNDWATER CONTOUR MAP</b> September 23, 2009	
CHECKED BY: PR	<b>SHELL OIL PRODUCTS, US</b> <b>SHELL SERVICE STATION#137675</b> <b>15541 NEW HAMPSHIRE AVENUE</b> <b>SILVER SPRING, MARYLAND</b>	
REVIEWED BY: AB		
NORTH	<b>Groundwater &amp; Environmental Services, Inc.</b> 2142 Priest Bridge Ct, Suite 1, Crofton, Maryland 21114	
	SCALE IN FEET	DATE
		10-19-09
		FIGURE

**TABLES**

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TABLE 1  
 POTENTIAL LIQUID LEVEL AND GROUNDWATER DATA TABLE  
 Potomac Station #157675  
 1541 New Hampshire Ave  
 Silver Spring, MD

Monitoring Well	Date	Time	Water Level (ft)	Groundwater Level (ft)	...	
MW-45	10/15/2014	10:52	89.93	89.93	...	
	10/15/2014	11:02	89.75	89.75	...	
	10/15/2014	11:12	89.57	89.57	...	
	10/15/2014	11:22	89.39	89.39	...	
	10/15/2014	11:32	89.21	89.21	...	
	10/15/2014	11:42	89.03	89.03	...	
	10/15/2014	11:52	88.85	88.85	...	
	10/15/2014	12:02	88.67	88.67	...	
	10/15/2014	12:12	88.49	88.49	...	
	10/15/2014	12:22	88.31	88.31	...	
	10/15/2014	12:32	88.13	88.13	...	
	10/15/2014	12:42	87.95	87.95	...	
	10/15/2014	12:52	87.77	87.77	...	
	10/15/2014	13:02	87.59	87.59	...	
	10/15/2014	13:12	87.41	87.41	...	
	10/15/2014	13:22	87.23	87.23	...	
	10/15/2014	13:32	87.05	87.05	...	
	10/15/2014	13:42	86.87	86.87	...	
	10/15/2014	13:52	86.69	86.69	...	
	MW-50	10/15/2014	14:02	86.51	86.51	...
10/15/2014		14:12	86.33	86.33	...	
10/15/2014		14:22	86.15	86.15	...	
10/15/2014		14:32	85.97	85.97	...	
10/15/2014		14:42	85.79	85.79	...	
10/15/2014		14:52	85.61	85.61	...	
10/15/2014		15:02	85.43	85.43	...	
10/15/2014		15:12	85.25	85.25	...	
10/15/2014		15:22	85.07	85.07	...	
10/15/2014		15:32	84.89	84.89	...	
10/15/2014		15:42	84.71	84.71	...	
10/15/2014		15:52	84.53	84.53	...	
10/15/2014		16:02	84.35	84.35	...	
10/15/2014		16:12	84.17	84.17	...	
10/15/2014		16:22	83.99	83.99	...	
10/15/2014		16:32	83.81	83.81	...	
10/15/2014		16:42	83.63	83.63	...	
10/15/2014		16:52	83.45	83.45	...	
MW-55		10/15/2014	17:02	83.27	83.27	...
		10/15/2014	17:12	83.09	83.09	...
	10/15/2014	17:22	82.91	82.91	...	
	10/15/2014	17:32	82.73	82.73	...	
	10/15/2014	17:42	82.55	82.55	...	
	10/15/2014	17:52	82.37	82.37	...	
	10/15/2014	18:02	82.19	82.19	...	
	10/15/2014	18:12	82.01	82.01	...	
	10/15/2014	18:22	81.83	81.83	...	
	10/15/2014	18:32	81.65	81.65	...	
	10/15/2014	18:42	81.47	81.47	...	
	10/15/2014	18:52	81.29	81.29	...	
	10/15/2014	19:02	81.11	81.11	...	
	10/15/2014	19:12	80.93	80.93	...	
	10/15/2014	19:22	80.75	80.75	...	
	10/15/2014	19:32	80.57	80.57	...	
	10/15/2014	19:42	80.39	80.39	...	
	10/15/2014	19:52	80.21	80.21	...	
	MW-60	10/15/2014	20:02	80.03	80.03	...
		10/15/2014	20:12	79.85	79.85	...
10/15/2014		20:22	79.67	79.67	...	
10/15/2014		20:32	79.49	79.49	...	
10/15/2014		20:42	79.31	79.31	...	
10/15/2014		20:52	79.13	79.13	...	
10/15/2014		21:02	78.95	78.95	...	
10/15/2014		21:12	78.77	78.77	...	
10/15/2014		21:22	78.59	78.59	...	
10/15/2014		21:32	78.41	78.41	...	
10/15/2014		21:42	78.23	78.23	...	
10/15/2014		21:52	78.05	78.05	...	
10/15/2014		22:02	77.87	77.87	...	
10/15/2014		22:12	77.69	77.69	...	
10/15/2014		22:22	77.51	77.51	...	
10/15/2014		22:32	77.33	77.33	...	
10/15/2014		22:42	77.15	77.15	...	
10/15/2014		22:52	76.97	76.97	...	















Sample ID		Date		Depth		Temp		pH		DO		TSS		NH4-N		NO3-N		NO2-N		TP		TN		SRP		Cd		Co		Cr		Cu		Fe		Mn		Ni		Pb		Zn						
Well ID	Well Name	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End							
75-BRYANIS STREWSY-01	SR	12/27/04	NR																																													



Main data table with columns for Well Name, Date, and various measurement types (e.g., Specific Gravity, Temperature, etc.)







TABLE 1

HISTORICAL AREA POTABLE WELL ANALYTICAL DATA TABLE

Former Shell Station #137675  
1541 New Hampshire Ave  
Silver Spring, MD

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Prod Adj GW Elevation (ft)	Analyte																																												
							Benzene (ug/L)	1,2-D	1,4-D	1,3,5-T	1,2,4-T	1,2,3,4-T	1,2,3,5-T	1,2,3,4,5-T	1,2,3,4,6-T	1,2,3,4,5,6-T	1,2,3,4,5,6,7-T	1,2,3,4,5,6,7,8-T	1,2,3,4,5,6,7,8,9-T	1,2,3,4,5,6,7,8,9,10-T	1,2,3,4,5,6,7,8,9,10,11-T	1,2,3,4,5,6,7,8,9,10,11,12-T	1,2,3,4,5,6,7,8,9,10,11,12,13-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23-T	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24-T																	
GW Clean-up Standards for Type I and II Aquifers							5	1,000	700	10,000	NA	20	66	0.65	NA	90	7	200	NA	0.053	5	NA	NA	70	NA	NA	0.05	600	5	5.5	5	NA	NA	NA	700	NA	NA	630	550	NA	NA	80	80	0.85	100	5	100				
600 BRYANT'S NURSERY	11/20/2003	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	06/24/2004	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/27/2004	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2004	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2005	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/26/2005	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/28/2006	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05/26/2007	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/08/2007	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/15/2007	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
09/22/2008	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12/12/2008	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
02/20/2009	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
06/04/2009	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
09/10/2009	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	-	-	BDL	-	-	BDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		



TABLE 1  
 HISTORICAL AREA POTABLE WELL ANALYTICAL DATA TABLE

Former Shell Station #137675  
 15541 New Hampshire Ave  
 Silver Spring, MD

Monitoring Well	Date	Top of Casing (ft)	Depth in Winter (ft)	Depth in Summer (ft)	GW Elevation (ft)	Depth to Product (ft)	Prod. Adj. GW Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Total HTEX (ug/L)	MIB (ug/L)	Biphenyl Benzene (ug/L)	Naphthalene (ug/L)	1,1-Dichloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3,4-Tetrachlorobenzene (ug/L)	1,2,4-Trichlorobenzene (ug/L)	1,2,4,5-Tetrachlorobenzene (ug/L)	1,2,4,6-Tetrachlorobenzene (ug/L)	1,2,4,5,6-Pentachlorobenzene (ug/L)	1,2,3,4,5-Pentachlorobenzene (ug/L)	1,2,3,4,6-Pentachlorobenzene (ug/L)	1,2,3,4,5,6-Hexachlorobenzene (ug/L)	1,1-Dichloroethane (ug/L)	1,1,2-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,3,4-Tetrachloropropane (ug/L)	1,2,3,4,5-Pentachloropropane (ug/L)	1,2,3,4,5,6-Hexachloropropane (ug/L)	1,2,3,4,5,6-Hexachlorocyclohexane (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)	1,2,3,4,5,6-Hexachlorocyclopentadiene (ug/L)				
							5	1,000	700	10,000	NA	20	66	0.65	NA	90	200	NA	0.053	5	NA	NA	70	NA	NA	0.05	600	5	5.5	5	NA	NA	NA	NA	NA	700	NA	NA	630	550	NA	NA	80	80	0.85	100	5	100			
640 BRYANIS NURSERY	11/20/2003	NR	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL













TABLE 1  
HISTORICAL ARE-VOLATILE WELLS ANALYTICAL DATA TABLE

Former Shell Station #137675  
15541 New Hampshire Ave  
Silver Spring, MD

Table with columns: Monitoring Well, Date, and various chemical analytes (Chloroethane, Chloroform, Chloromethane, etc.). Rows are grouped by well ID (e.g., 640 BRYANT'S NURSERY, 650 BRYANT'S NURSERY, 651 BRYANT'S NURSERY, 660 BRYANT'S NURSERY, 661 BRYANT'S NURSERY).











TABLE 1  
HISTORICAL AIR & POTABLE WELL ANALYTICAL DATA TABLE

Former Shell Station #137675  
15541 New Hampshire Ave  
Silver Spring, MD

Monitoring Well	Date	Chloroethane (ug/L)	Chloroform (ug/L)	Chloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	Perfluorobenzene (ug/L)	
GW Clean-up Standards for Type 1 and II Aquifers		3.6	80	19	70	0.44			80	NA	NA	NA	NA	0.86	NA	5	NA	NA	NA	NA	NA	100	NA	NA	5	47	47	NA	0.44	5	NA	2	
741 BRYANT'S NURSERY	10/03/2003																																
	11/20/2003		BDL	BDL																													
	12/27/2003		BDL	BDL																													
	01/16/2004		BDL	BDL																													
	02/15/2004		BDL	BDL																													
	03/25/2004		BDL	BDL																													
	04/16/2004		BDL	BDL																													
	05/26/2004		BDL	BDL																													
	06/22/2004		BDL	BDL																													
	09/27/2004		BDL	BDL																													
	09/26/2006																																
	12/28/2006																																
	03/26/2007																																
	06/08/2007																																
	09/13/2007																																
12/05/2007																																	
03/27/2008																																	
06/24/2008																																	
09/22/2008																																	
750 BRYANT'S NURSERY	10/03/2003																																
	10/18/2003																																
	11/20/2003		0.63	BDL																													
	12/23/2003		BDL	BDL																													
	03/02/2004		0.5	BDL																													
	03/25/2004		0.55	BDL																													
	10/04/2004																																
	12/08/2004		0.43	BDL																													
	03/31/2005																																
06/22/2005																																	
09/26/2006																																	
15526 NEW HAMPSHIRE	09/08/2003																																
15529 NEW HAMPSHIRE	09/08/2003																																
15605 NEW HAMPSHIRE	11/20/2003		BDL	BDL																													
	06/24/2004		BDL	BDL																													
	09/22/2004		BDL	BDL																													
12/10/2004		BDL	BDL																														



Table 3

DISSOLVED-PHASE HYDROCARBON RECOVERY DATA SUMMARY

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD

Month	Operating Days	Monthly Operating Days	Monthly GW Recovered (gallons)	Average Flow Rate (gpd)	Dissolved-Phase Hydrocarbon Recovery										
					Volume of GW Recovered in Period (gallons)	Volume of GW Recovered to Date (gallons)	Influent BTEX Concentration (ug/l)	BTEX Recovered in Period (pounds)	Cumulative BTEX Recovery (pounds)	Influent MTBE Concentration (ug/l)	MTBE Recovered in Period (pounds)	Cumulative MTBE Recovery (pounds)	Influent TPH-GRO Concentration (ug/l)	Total TPH-GRO Recovered in Period (pounds)	Cumulative TPH-GRO Recovery (pounds)
July-04	4	4	28,800	7,200	28,800	28,800	363	0.1	0.1	45500	11	11	NS	0.0	0.0
August-04	31	31	231,800	7,477	231,800	260,600	187	0.4	0.4	12900	25	36	NS	0.0	0.0
September-04	13	13	90,400	6,954	90,400	351,000	141	0.1	0.6	2350	1.8	38	NS	0.0	0.0
October-04	27	27	172,600	6,393	172,600	523,600	229	0.3	0.9	7980	11	49	NS	0.0	0.0
November-04	42	42	225,700	5,364	225,700	748,900	296	0.6	1.4	7610	14	63	NS	0.0	0.0
December-04	36	36	132,100	3,669	132,100	881,000	401	0.4	1.9	15100	17	80	NS	0.0	0.0
January-05	40	40	223,200	5,580	223,200	1,104,200	121	0.2	2.1	3940	7.3	87	NS	0.0	0.0
February-05	24	24	32,800	1,367	32,800	1,137,000	116	0.0	2.1	13200	3.6	91	NS	0.0	0.0
March-05	22	22	43,800	1,991	43,800	1,180,800	91	0.0	2.2	3950	1.4	93	NS	0.0	0.0
April-05	26	26	140,200	5,392	140,200	1,321,000	264	0.3	2.5	5290	6.2	99	NS	0.0	0.0
May-05	41	41	84,000	2,049	84,000	1,405,000	595	0.4	2.9	23400	16	115	NS	0.0	0.0
June-05	22	22	62,000	2,818	62,000	1,467,000	304	0.2	3.1	8490	4.4	120	NS	0.0	0.0
July-05	43	43	62,000	1,442	62,000	1,529,000	422	0.2	3.3	13700	7.1	127	NS	0.0	0.0
August-05	8	8	130,333	16,292	130,333	1,659,333	270	0.3	3.6	14000	15	142	NS	0.0	0.0
September-05	47	47	130,333	2,773	130,333	1,789,666	60	0.1	3.6	5600	6.1	148	NS	0.0	0.0
October-05	13	13	130,333	10,026	130,333	1,919,999	370	0.4	4.0	36100	39	187	NS	0.0	0.0
November-05	41	41	33,200	810	33,200	1,953,199	154	0.0	4.1	3980	1.1	188	NS	0.0	0.0
December-05	33	33	169,700	5,142	169,700	2,122,899	102	0.1	4.2	5830	8.3	197	NS	0.0	0.0
January-06	17	17	83,900	4,935	83,900	2,206,799	51	0.0	4.3	1190	0.8	197	NS	0.0	0.0
February-06	55	55	279,600	5,084	279,600	2,486,399	75	0.2	4.4	424	1.0	198	NS	0.0	0.0
March-06	30	30	98,464	3,282	98,464	2,584,863	68	0.1	4.5	123	0.1	198	NS	0.0	0.0
April-06	19	19	106,451	5,603	106,451	2,691,314	58	0.1	4.5	120	0.1	199	NS	0.0	0.0
May-06	21	21	111,153	5,293	111,153	2,802,467	112	0.1	4.6	135	0.1	199	NS	0.0	0.0
June-06	24	24	98,062	4,086	98,062	2,900,529	0.0	0.0	4.6	569	0.5	199	NS	0.0	0.0
July-06	29	29	127,019	4,380	127,019	3,027,548	290	0.3	5.0	388	0.4	200	NS	0.0	0.0
August-06	14	14	57,809	4,129	57,809	3,085,357	259	0.1	5.1	0.0	0.0	200	NS	0.0	0.0
September-06	7	7	28,904	4,129	28,904	3,114,261	4.5	0.0	5.1	218	0.1	200	NS	0.0	0.0
October-06	24	24	77,941	3,248	77,941	3,192,202	90	0.1	5.1	0.0	0.0	200	NS	0.0	0.0
November-06	29	29	97,585	3,365	97,585	3,289,787	23	0.0	5.2	10	0.0	200	NS	0.0	0.0
December-06	29	29	93,317	3,218	93,317	3,383,104	39	0.0	5.2	24	0.0	200	NS	0.0	0.0
January-07	26	26	88,679	3,411	88,679	3,471,783	40	0.0	5.2	17	0.0	200	NS	0.0	0.0
February-07	28	28	101,226	3,615	101,226	3,573,009	139	0.1	5.3	56	0.0	200	734	0.6	0.6
March-07	31	31	130,187	4,200	130,187	3,703,196	15	0.0	5.4	150	0.2	200	179	0.2	0.8
April-07	21	21	85,406	4,067	85,406	3,788,602	296	0.2	5.6	228	0.2	200	1390	1.0	1.8
May-07	26	26	94,185	3,623	94,185	3,882,787	88	0.1	5.6	35	0.0	200	368	0.3	2.1
June-07	35	35	119,020	3,401	119,020	4,001,807	49	0.0	5.7	25	0.0	200	232	0.2	2.3
July-07	36	36	57,847	1,607	57,847	4,059,654	19	0.0	5.7	24	0.0	200	188	0.1	2.4
August-07	31	31	65,338	2,108	65,338	4,124,992	25	0.0	5.7	11	0.0	200	ND	0.0	2.4
September-07	30	30	72,116	2,404	72,116	4,197,108	8.6	0.0	5.7	10	0.0	200	ND	0.0	2.4
October-07	28	28	6,849	245	6,849	4,203,957	0.0	0.0	5.7	10	0.0	200	112	0.0	2.4
November-07	29	29	26,934	929	26,934	4,230,891	2.0	0.0	5.7	8.8	0.0	200	176	0.0	2.5
December-07	37	37	64,545	1,744	64,545	4,295,436	3.2	0.0	5.7	15	0.0	200	125	0.1	2.5
January-08	35	35	58,799	1,680	58,799	4,354,235	0.0	0.0	5.7	43	0.0	200	103	0.1	2.6
February-08	21	21	25,037	1,192	25,037	4,379,272	0.0	0.0	5.7	13	0.0	200	60	0.0	2.6
March-08	34	34	47,746	1,404	47,746	4,427,018	0.0	0.0	5.7	78	0.0	200	70	0.0	2.6



Table 3

DISSOLVED-PHASE HYDROCARBON RECOVERY DATA SUMMARY

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD

Month	Operating Days	Monthly Operating Days	Monthly GW Recovered (gallons)	Average Flow Rate (gpd)	Dissolved-Phase Hydrocarbon Recovery										
					Volume of GW Recovered in Period (gallons)	Volume of GW Recovered to Date (gallons)	Influent BTEX Concentration (ug/l)	BTEX Recovered in Period (pounds)	Cumulative BTEX Recovery (pounds)	Influent MTBE Concentration (ug/l)	MTBE Recovered in Period (pounds)	Cumulative MTBE Recovery (pounds)	Influent TPH-GRO Concentration (ug/l)	Total TPH-GRO Recovered in Period (pounds)	Cumulative TPH-GRO Recovery (pounds)
4-Apr-2008	9	9	20,057	2,229	20,057	4,447,075	1.6	0.0	5.7	86	0.0	200	127	0.0	2.6
1-May-2008	27			2,578	69,594	4,516,669	43	0.0	5.7	49	0.0	200	381	0.0	2.6
19-May-2008	18	45	109,940	2,241	40,346	4,557,015	100	0.0	5.8	9.5	0.0	200	640	0.2	2.8
4-Jun-2008	16			1,852	29,634	4,586,649	27	0.0	5.8	84	0.0	200	453	0.1	3.0
18-Jun-2008	14	50	76,819	3,370	47,185	4,633,834	59	0.0	5.8	61	0.0	200	188	0.1	3.0
7-Jul-2008	16			3,323	53,163	4,686,997	30	0.0	5.8	44	0.0	200	250	0.1	3.1
23-Jul-2008	16	32	103,483	3,145	50,320	4,737,317	22	0.0	5.8	43	0.0	200	270	0.1	3.3
6-Aug-2008	14			2,769	38,765	4,776,082	8.9	0.0	5.8	21	0.0	200	120	0.0	3.3
21-Aug-2008	15	29	77,460	2,580	38,695	4,814,777	43	0.0	5.8	79	0.0	200	240	0.1	3.4
4-Sep-2008	14			2,332	32,650	4,847,427	0.0	0.0	5.8	18	0.0	200	170	0.0	3.4
18-Sep-2008	14	28	59,911	1,947	27,261	4,874,688	10	0.0	5.8	44	0.0	200	160	0.0	3.5
10-Oct-2008	22			1,763	38,794	4,913,482	0.0	0.0	5.8	35	0.0	200	120	0.0	3.5
23-Oct-2008	13	35	58,869	1,544	20,074	4,933,556	0.0	0.0	5.8	11	0.0	200	0.0	0.0	3.5
6-Nov-2008	14			1,531	21,436	4,954,992	0.0	0.0	5.8	13	0.0	200	0.0	0.0	3.5
20-Nov-2008	14	28	42,420	1,499	20,984	4,975,976	0.0	0.0	5.8	9.2	0.0	200	0.0	0.0	3.5
1-Dec-2008	11			1,520	16,723	4,992,699	0.0	0.0	5.8	13	0.0	200	0.0	0.0	3.5
18-Dec-2008	17	28	42,836	1,536	26,114	5,018,813	0.0	0.0	5.8	11	0.0	200	120	0.0	3.5
9-Jan-2009	22			1,814	39,911	5,058,724	0.0	0.0	5.8	8.7	0.0	200	0.0	0.0	3.5
21-Jan-2009	12	34	61,148	1,770	21,237	5,079,960	0.0	0.0	5.8	11	0.0	200	100	0.0	3.5
3-Feb-2009	13			1,966	25,564	5,105,524	0.0	0.0	5.8	22	0.0	200	150	0.0	3.6
19-Feb-2009	16	29	53,530	1,748	27,966	5,133,490	0.0	0.0	5.8	59	0.0	200	198	0.0	3.6
3-Mar-2009	12			1,284	15,409	5,148,900	1.6	0.0	5.8	15	0.0	200	0.0	0.0	3.6
18-Mar-2009	15	27	34,931	1,301	19,521	5,168,421	1.0	0.0	5.8	44	0.0	200	0.0	0.0	3.6
9-Apr-2009	22			1,012	22,262	5,190,682	0.5	0.0	5.8	35	0.0	200	0.0	0.0	3.6
23-Apr-2009	14	36	48,464	1,872	26,202	5,216,884	3.4	0.0	5.8	26	0.0	200	0.0	0.0	3.6
6-May-2009	13			2,349	30,538	5,247,422	23.3	0.0	5.8	39	0.0	200	163	0.0	3.7
21-May-2009	15	28	65,799	2,351	35,261	5,282,683	59	0.0	5.9	32	0.0	200	373	0.1	3.8
4-Jun-2009	14			1,962	27,466	5,310,149	140	0.0	5.9	0	0.0	200	703	0.2	3.9
16-Jun-2009	12	26	50,235	1,897	22,770	5,332,918	91	0.0	5.9	19	0.0	200	368	0.1	4.0
7-Jul-2009	21			1,871	39,289	5,372,207	91	0.0	5.9	18	0.0	200	759	0.2	4.2
23-Jul-2009	16	37	74,626	2,209	35,337	5,407,544	181	0.1	6.0	9	0.0	200	370	0.1	4.4
4-Aug-2009	12			2,319	27,824	5,435,368	33	0.0	6.0	15	0.0	200	190	0.0	4.4
19-Aug-2009	15	27	61,492	2,245	33,669	5,469,036	33	0.0	6.0	14	0.0	200	99	0.0	4.4
1-Sep-2009	2			2,500	5,000	5,474,036	56	0.0	6.0	16	0.0	200	320	0.0	4.4
15-Sep-2009	14	16	23,984	1,356	18,985	5,493,021	86	0.0	6.0	17	0.0	200	320	0.1	4.5

**Table Notes:**

This table presents the groundwater recovery data since system startup in July 2004.

BTEX - sum of benzene, toluene, ethylbenzene, and total xylenes

MTBE - methyl tert-butyl ether

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

ug/L - micrograms per liter

mg/L - milligrams per liter

gpd - gallons per day

lbs - pounds

NR - The General Discharge Permit does not define a discharge limit for MTBE in the state of Maryland

NS - It is not required under the Maryland General Discharge Permit to sample for TPH-GRO at this Site.

**Unit Notes:**

The groundwater recovery system was activated on March 28, 2006.

**Calculation Notes:**

$$\text{Dissolved hydrocarbon loading (lb)} = \frac{\text{concentration (ug/l)}}{\text{gallon}} \times \frac{3.785 \text{ liters}}{10^6 \text{ ug}} \times \frac{2,205 \text{ lb}}{10^6 \text{ ug}} \times \text{# gallons}$$

$$\text{Average Flow Rate (gpd)} = \frac{\text{Cumulative gw recovered (gal)}}{\text{Operating Days (days)}}$$

$$\text{Hydrocarbon Recovery to Date (lbs)} = \text{Hydrocarbon Recovery Since Previous Sampling Event (lbs)} + \text{Hydrocarbon Recovery to Date (lbs)}$$



Table 4

## VAPOR-PHASE HYDROCARBON RECOVERY DATA SUMMARY

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD

Date	Operating Days	SVE Blower			
		Influent Air Flow (scfm)	Influent >C <sub>4</sub> - C <sub>10</sub> Concentrations (mg/m <sup>3</sup> )	>C <sub>4</sub> - C <sub>10</sub> Recovery Rate (pounds/day)	>C <sub>4</sub> - C <sub>10</sub> Recovered (pounds)
March-05	1	95	22,000	188	188
April-05	16	120	329	3.5	244
May-05	39	80	134	1.0	282
June-05	22	105	512	4.8	388
July-05	41	105	337	3.2	518
August-05	10	105	191	1.8	536
September-05	47	105	974	9.2	968
October-05	13	105	289	2.7	1,003
November-05	41	105	80	0.8	1,034
December-05	37	105	82	0.8	1,063
January-06	13	100	78	0.7	1,072
February-06	56	98	29	0.3	1,086
March-06	29	97	67	0.6	1,103
April-06	19	98	183	1.6	1,134
May-06	21	98	191	1.7	1,169
June-06	24	91	293	2.4	1,227
July-06	9	105	52	0.5	1,231
August-06	14	105	166	1.6	1,253
September-06	28	105	53	0.5	1,267
October-06	23	105	77	0.7	1,284
November-06	19	108	4	0.0	1,284
December-06	28	108	32	0.3	1,293
January-07	26	104	6	0.1	1,294
February-07	30	103	95	0.9	1,321
March-07	29	83	0	0.0	1,321
April-07	17.6	68	0	0.0	1,321
May-07	7.6	70	0	0.0	1,321
June-07	7.7	68	0	0.0	1,321
July-07	34	68	182	1.1	1,358
August-07	20.5	63	1,460	8.2	1,526
September-07	10	65	791	4.6	1,572

## NOTES:

As approved by the MDE, the SVE system was shut-down

**Bold values indicate concentrations collected using a PID and are reported in mg/m<sup>3</sup>**

BTEX = sum of benzene, toluene, ethylbenzene, and total xylenes

MTBE = methyl tert-butyl ether

ND = Not Detected

ND = Not Detected

$$\text{Vapor conc as mg/m}^3 = \frac{\text{conc (ppmv)}}{24.05 \text{ L/mol}} \left| \begin{array}{l} 1 \text{ mg} \\ 1000 \mu\text{g} \end{array} \right| \left| \begin{array}{l} 1000\text{L} \\ 1 \text{ m}^3 \end{array} \right|$$

$$\text{Hydrocarbon recovery (lb/day)} = \frac{\text{inf. conc. (mg/m}^3)}{454,000 \text{ mg}} \left| \begin{array}{l} 1 \text{ pound} \\ 454,000 \text{ mg} \end{array} \right| \left| \begin{array}{l} 0.0283 \text{ m}^3 \\ \text{ft}^3 \end{array} \right| \left| \begin{array}{l} 1440 \text{ min.} \\ \text{day} \end{array} \right|$$

(assume >C<sub>4</sub>-C<sub>10</sub> and BTEX molecular weight = 100)

(MTBE molecular weight = 88.2)

(assume C<sub>1</sub>-C<sub>4</sub> molecular weight = 44)

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**APPENDIX A**

Laboratory Report and  
Chain of Custody Documentation



# Analytical Report 345939

for

## Groundwater and Environmental Services, Inc.

**Project Manager: Ashley Bell**

**15541 New Hampshire Ave**

**15541 New Hampshire**

**12-OCT-09**



**3231 NW 7th Avenue, Boca Raton, FL 33431**

**Ph:(561) 447-7373 Fax:(561) 447-7374**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)

Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)

New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)

Rhode Island (LAC000308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)

Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)



12-OCT-09

Project Manager: **Ashley Bell**  
**Groundwater and Environmental Services, Inc.**  
2142 Priest Bridge Ct., Suite 1  
Crofton, MD 21114

Reference: XENCO Report No: **345939**  
**15541 New Hampshire Ave**  
Project Address: Silver Springs, MD

**Ashley Bell:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 345939. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 345939 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Rossy Guima**  
Project Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.  
Certified and approved by numerous States and Agencies.  
A Small Business and Minority Status Company that delivers SERVICE and QUALITY  
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America*



## Sample Cross Reference 345939



Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-6S	W	Sep-23-09 12:40		345939-001
MW-12	W	Sep-23-09 12:45		345939-002
MW-18	W	Sep-23-09 14:00		345939-003
MW-13S	W	Sep-23-09 13:20		345939-004
MW-13D	W	Sep-23-09 13:50		345939-005
MW-14S	W	Sep-23-09 12:30		345939-006
MW-14D	W	Sep-23-09 12:45		345939-007
MW-15S	W	Sep-23-09 10:30		345939-008
MW-15D	W	Sep-23-09 11:00		345939-009
MW-16S	W	Sep-23-09 11:20		345939-010
MW-7D	W	Sep-23-09 09:35		345939-011
MW-7S	W	Sep-23-09 09:30		345939-012
MW-11R	W	Sep-23-09 11:15		345939-013
MW-11D	W	Sep-23-09 11:20		345939-014
MW-11S	W	Sep-23-09 11:25		345939-015
MW-5R	W	Sep-23-09 10:25		345939-016
MW-5D	W	Sep-23-09 10:30		345939-017
MW-5S	W	Sep-23-09 10:35		345939-018
MW-6R	W	Sep-23-09 12:30		345939-019
MW-6D	W	Sep-23-09 12:35		345939-020
750-BNR	W	Sep-23-09 09:35		345939-021
750-BNS	W	Sep-23-09 09:00		345939-022
750-BND	W	Sep-23-09 10:00		345939-023
MW-8S	W	Sep-23-09 10:15		345939-024
MW-8D	W	Sep-23-09 10:45		345939-025
MW-9S	W	Sep-23-09 11:10		345939-026
MW-9D	W	Sep-23-09 11:45		345939-027
MW-2	W	Sep-23-09 12:45		345939-028
RW-1	W	Sep-23-09 12:00		345939-029
MW-4	W	Sep-23-09 13:10		345939-030
RW-3	W	Sep-23-09 12:10		345939-031
RW-10	W	Sep-23-09 12:20		345939-032
MW16D	W	Sep-23-09 11:45		345939-033
MW-17S	W	Sep-23-09 09:20		345939-034
MW-17D	W	Sep-23-09 10:10		345939-035
MW-17W	W	Sep-23-09 09:45		345939-036



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-001</b>	Date Collected: <b>Sep-23-09 12:40</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 15:52    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 21:37    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-6S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-001</b>	Date Collected: <b>Sep-23-09 12:40</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 17:23	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-001</b>	Date Collected: <b>Sep-23-09 12:40</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 17:23	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	2.34	2.00	0.250	ug/L		1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	1.93	4.00	1.00	ug/L	I	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.15	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	150	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	65.5	25.0	15.0	ug/L		1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.280	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-12</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-002</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 16:30    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 22:06    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	1.81	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>MW-12</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-002</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 17:46	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.480	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.460	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.290	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	6.84	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	0.320	2.00	0.263	ug/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-12</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-002</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 17:46	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	22.0	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	0.480	1.00	0.238	ug/L	I	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.33	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	4710	200	26.1	ug/L	D	100
Naphthalene	91-20-3	6.97	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	3.02	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	0.460	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	55.5	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	3630	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	1.26	2.00	0.508	ug/L	I	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	0.770	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-18</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-003</b>	Date Collected: <b>Sep-23-09 14:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 17:09    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 22:34    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.164	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-18</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-003</b>	Date Collected: <b>Sep-23-09 14:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 18:09	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	4.97	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-18</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-003</b>	Date Collected: <b>Sep-23-09 14:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 18:09	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
	Seq Number: 775263		

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	4.29	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.12	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	733	20.0	2.61	ug/L	D	10
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	3.36	8.00	2.00	ug/L	I	1
tert-butyl alcohol	75-65-0	394	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-004</b>	Date Collected: <b>Sep-23-09 13:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 17:47    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.043	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 23:03    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	1.37	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-004</b>	Date Collected: <b>Sep-23-09 13:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-01-09 18:32    Analyst: GEJ	Date Prep: Oct-01-09 10:03    Tech: GEJ
Seq Number: 775263	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.300	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.690	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.260	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	3.76	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	11.9	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	0.270	1.00	0.245	ug/L	I	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-004</b>	Date Collected: <b>Sep-23-09 13:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 18:32	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	23.4	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	0.460	1.00	0.238	ug/L	I	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.38	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	3260	200	26.1	ug/L	D	100
Naphthalene	91-20-3	2.15	4.00	1.00	ug/L	I	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	1.44	2.00	0.298	ug/L	I	1
Sec-Butylbenzene	135-98-8	0.560	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	43.6	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	2550	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	1.20	2.00	0.508	ug/L	I	1
Toluene	108-88-3	0.310	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	0.360	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

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# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-005</b>	Date Collected: <b>Sep-23-09 13:50</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 18:26    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 23:31    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.050	0.100	0.013	mg/L	I	1

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Version: 1.020





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-005</b>	Date Collected: <b>Sep-23-09 13:50</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 18:55	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.280	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	4.75	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	2.67	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-13D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-005</b>	Date Collected: <b>Sep-23-09 13:50</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 18:55	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	2.78	4.00	1.00	ug/L	I	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.09	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	314	40.0	5.21	ug/L	D	20
Naphthalene	91-20-3	1.32	4.00	1.00	ug/L	I	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	1.20	2.00	0.298	ug/L	I	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	5.13	8.00	2.00	ug/L	I	1
tert-butyl alcohol	75-65-0	252	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-006</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 19:05    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-28-09 23:59    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.825	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-006</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 19:18	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	4.74	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-006</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 19:18	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	12.7	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.45	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	2180	200	26.1	ug/L	D	100
Naphthalene	91-20-3	1.25	4.00	1.00	ug/L	I	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	1.49	2.00	0.298	ug/L	I	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	26.2	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	1300	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.510	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-007</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 19:43    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 00:28    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.145	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-007</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 19:41	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.310	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	1.55	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.350	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	4.92	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	21.9	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	0.290	2.00	0.263	ug/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-14D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-007</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 19:41	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	8.50	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.70	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	419	40.0	5.21	ug/L	D	20
Naphthalene	91-20-3	4.93	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	2.59	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	0.450	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	4.37	8.00	2.00	ug/L	I	1
tert-butyl alcohol	75-65-0	297	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	0.590	2.00	0.508	ug/L	I	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	0.920	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-15S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-008</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 20:22    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.044	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 00:56    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	2.25	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-15S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-008</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 20:03	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.740	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	13.5	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-15S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-008</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 20:03	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	27.0	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	0.530	1.00	0.238	ug/L	I	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.56	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	5780	200	26.1	ug/L	D	100
Naphthalene	91-20-3	4.29	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	3.70	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	0.550	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	61.3	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	3740	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	0.760	2.00	0.508	ug/L	I	1
Toluene	108-88-3	0.330	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-15D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-009</b>	Date Collected: <b>Sep-23-09 11:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 21:00    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 01:25    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.052	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-15D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-009</b>	Date Collected: <b>Sep-23-09 11:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-01-09 20:26     Analyst: GEJ	Date Prep: Oct-01-09 10:03     Tech: GEJ
Seq Number: 775263	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.390	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.540	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.230	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	5.78	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-15D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-009</b>	Date Collected: <b>Sep-23-09 11:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 20:26	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	3.64	4.00	1.00	ug/L	I	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.08	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	378	40.0	5.21	ug/L	D	20
Naphthalene	91-20-3	1.12	4.00	1.00	ug/L	I	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	0.340	2.00	0.298	ug/L	I	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	4.09	8.00	2.00	ug/L	I	1
tert-butyl alcohol	75-65-0	238	25.0	15.0	ug/L	I	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	0.570	2.00	0.508	ug/L	I	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	0.710	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-16S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-010</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 21:39    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.279	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 01:53    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	1.29	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>MW-16S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-010</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 20:49	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.420	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	0.380	2.00	0.298	ug/L	I	1
1,2-Dichloroethane	107-06-2	4.37	2.00	0.338	ug/L		1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.400	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	8.98	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	133	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	0.290	1.00	0.245	ug/L	I	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	0.490	2.00	0.263	ug/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-16S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-010</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 20:49	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	39.8	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	3.81	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	3.39	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	3390	200	26.1	ug/L	D	100
Naphthalene	91-20-3	23.6	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	0.660	2.00	0.452	ug/L	I	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	39.8	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	1.60	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	18.4	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	1630	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	0.660	2.00	0.508	ug/L	I	1
Toluene	108-88-3	0.460	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	1.32	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-7D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-011</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Sep-30-09 22:55    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 02:22    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-7D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-011</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-02-09 19:57	Analyst: GEJ	Date Prep: Oct-02-09 15:47	Tech: GEJ
Seq Number: 775595			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-7D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-011</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-02-09 19:57	Analyst: GEJ	Date Prep: Oct-02-09 15:47	Tech: GEJ
Seq Number: 775595			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	U	2.00	0.261	ug/L	U	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 345939**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-7S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-012</b>	Date Collected: <b>Sep-23-09 09:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>		Prep Method: SW3510C	
Date Analyzed: Sep-30-09 23:33	Analyst: ROR	Date Prep: Sep-29-09 18:00	Tech: LER
Seq Number: 775626			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>		Prep Method: SW5030B	
Date Analyzed: Sep-29-09 02:50	Analyst: BRL	Date Prep: Sep-28-09 16:00	Tech: BRL
Seq Number: 774876			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>MW-7S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-012</b>	Date Collected: <b>Sep-23-09 09:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 21:35	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-7S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-012</b>	Date Collected: <b>Sep-23-09 09:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 21:35	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.25	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	13.3	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.450	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-013</b>	Date Collected: <b>Sep-23-09 11:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 00:11    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 03:18    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-013</b>	Date Collected: <b>Sep-23-09 11:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 21:57	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-11R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-013</b>	Date Collected: <b>Sep-23-09 11:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 21:57	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
	Seq Number: 775263		

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.02	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	U	2.00	0.261	ug/L	U	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-014</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 00:49    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 03:47    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-014</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-01-09 22:20    Analyst: GEJ	Date Prep: Oct-01-09 10:03    Tech: GEJ
Seq Number: 775263	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	4.30	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

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Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-014</b>	Date Collected: <b>Sep-23-09 11:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 22:20	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.17	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	0.660	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	1.53	1.00	0.247	ug/L		1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

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Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-015</b>	Date Collected: <b>Sep-23-09 11:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 01:27    Analyst: ROR	Date Prep: Sep-29-09 18:00    Tech: LER
Seq Number: 775626	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-29-09 04:15    Analyst: BRL	Date Prep: Sep-28-09 16:00    Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

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Version: 1.020



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**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-11S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-015</b>	Date Collected: <b>Sep-23-09 11:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 22:43	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-11S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-015</b>	Date Collected: <b>Sep-23-09 11:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 22:43	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.10	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	16.5	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	39.4	25.0	15.0	ug/L		1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-5R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-016</b>	Date Collected: <b>Sep-23-09 10:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 20:00    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 15:58    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

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Version: 1.020



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**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-5R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-016</b>	Date Collected: <b>Sep-23-09 10:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:06	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-016</b>	Date Collected: <b>Sep-23-09 10:25</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:06	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	0.950	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	0.510	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-017</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 20:38    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 16:27    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-017</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:29	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-017</b>	Date Collected: <b>Sep-23-09 10:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:29	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.04	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	0.420	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	1.03	2.00	0.508	ug/L	I	1
Toluene	108-88-3	0.250	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-018</b>	Date Collected: <b>Sep-23-09 10:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 21:17    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 16:55    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.284	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-018</b>	Date Collected: <b>Sep-23-09 10:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:52	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-5S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-018</b>	Date Collected: <b>Sep-23-09 10:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-01-09 23:52	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	11.2	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.15	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	885	200	26.1	ug/L	D	100
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	20.5	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	1440	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.400	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-019</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 21:57    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 17:24    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-019</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-02-09 20:22	Analyst: GEJ	Date Prep: Oct-02-09 15:47	Tech: GEJ
Seq Number: 775595			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6R</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-019</b>	Date Collected: <b>Sep-23-09 12:30</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-02-09 20:22	Analyst: GEJ	Date Prep: Oct-02-09 15:47	Tech: GEJ
Seq Number: 775595			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	37.4	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

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Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-020</b>	Date Collected: <b>Sep-23-09 12:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 22:35    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.113	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 17:52    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	6.81	0.100	0.013	mg/L		1

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Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-020</b>	Date Collected: <b>Sep-23-09 12:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-02-09 00:37    Analyst: GEJ	Date Prep: Oct-01-09 10:03    Tech: GEJ
Seq Number: 775263	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.750	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.610	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	0.350	1.00	0.193	ug/L	I	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	38.2	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	0.250	1.00	0.245	ug/L	I	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-6D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-020</b>	Date Collected: <b>Sep-23-09 12:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-02-09 00:37	Analyst: GEJ	Date Prep: Oct-01-09 10:03	Tech: GEJ
Seq Number: 775263			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	64.6	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	2.23	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.52	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	13800	200	26.1	ug/L	D	100
Naphthalene	91-20-3	15.6	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	0.540	2.00	0.452	ug/L	I	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	2.13	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	1.10	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	179	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	6260	2500	1500	ug/L	D	100
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	3.42	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	0.430	2.00	0.399	ug/L	I	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	1.59	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BNR</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-021</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 23:13    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.072	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 18:21    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.025	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020





# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>750-BNR</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-021</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 12:42    Analyst: GEJ	Date Prep: Oct-05-09 10:20    Tech: GEJ
Seq Number: 775813	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	15.8	15.0	3.74	ug/L		1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	6.78	8.00	1.91	ug/L	I	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>750-BNR</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-021</b>	Date Collected: <b>Sep-23-09 09:35</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 12:42	Analyst: GEJ	Date Prep: Oct-05-09 10:20	Tech: GEJ
Seq Number: 775813			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	25.1	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BNS</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-022</b>	Date Collected: <b>Sep-23-09 09:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 23:52    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 18:50    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.015	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>750-BNS</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-022</b>	Date Collected: <b>Sep-23-09 09:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:06	Analyst: GEJ	Date Prep: Oct-05-09 10:20	Tech: GEJ
Seq Number: 775813			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	3.79	15.0	3.74	ug/L	I	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BNS</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-022</b>	Date Collected: <b>Sep-23-09 09:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 13:06    Analyst: GEJ	Date Prep: Oct-05-09 10:20    Tech: GEJ
Seq Number: 775813	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.72	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	1.02	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.290	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BND</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-023</b>	Date Collected: <b>Sep-23-09 10:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 00:30    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 19:18    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.043	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BND</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-023</b>	Date Collected: <b>Sep-23-09 10:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 13:30    Analyst: GEJ	Date Prep: Oct-05-09 10:20    Tech: GEJ
Seq Number: 775813	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	5.00	1.22	ug/L	U	5
1,1,1-Trichloroethane	71-55-6	U	5.00	1.16	ug/L	U	5
1,1,2,2-Tetrachloroethane	79-34-5	U	5.00	1.16	ug/L	U	5
1,1,2-Trichloroethane	79-00-5	U	10.0	1.44	ug/L	U	5
1,1-Dichloroethane	75-34-3	U	10.0	1.27	ug/L	U	5
1,1-Dichloroethene	75-35-4	U	10.0	1.34	ug/L	U	5
1,1-Dichloropropene	563-58-6	U	10.0	1.53	ug/L	U	5
1,2,3-Trichlorobenzene	87-61-6	U	25.0	6.17	ug/L	U	5
1,2,3-Trichloropropane	96-18-4	U	10.0	1.80	ug/L	U	5
1,2,4-Trichlorobenzene	120-82-1	U	25.0	5.47	ug/L	U	5
1,2,4-Trimethylbenzene	95-63-6	U	20.0	4.12	ug/L	U	5
1,2-Dibromo-3-Chloropropane	96-12-8	U	20.0	4.29	ug/L	U	5
1,2-Dichlorobenzene	95-50-1	U	10.0	1.49	ug/L	U	5
1,2-Dichloroethane	107-06-2	U	10.0	1.69	ug/L	U	5
1,2-Dichloropropane	78-87-5	U	10.0	1.63	ug/L	U	5
1,3,5-trimethylbenzene	108-67-8	U	10.0	2.17	ug/L	U	5
1,3-Dichlorobenzene	541-73-1	U	5.00	1.17	ug/L	U	5
1,3-Dichloropropane	142-28-9	U	5.00	0.995	ug/L	U	5
1,4-Dichlorobenzene	106-46-7	U	5.00	0.963	ug/L	U	5
2,2-Dichloropropane	594-20-7	U	5.00	0.970	ug/L	U	5
2-Butanone	78-93-3	U	100	24.0	ug/L	U	5
2-Chlorotoluene	95-49-8	U	10.0	1.48	ug/L	U	5
2-Hexanone	591-78-6	U	75.0	18.1	ug/L	U	5
4-Chlorotoluene	106-43-4	U	5.00	1.11	ug/L	U	5
4-Methyl-2-Pentanone	108-10-1	U	200	50.0	ug/L	U	5
Acetone	67-64-1	25.2	75.0	18.7	ug/L	I	5
Acrolein	107-02-8	U	70.0	17.3	ug/L	U	5
Acrylonitrile	107-13-1	U	65.0	15.4	ug/L	U	5
Benzene	71-43-2	U	5.00	1.05	ug/L	U	5
Bromobenzene	108-86-1	U	10.0	1.90	ug/L	U	5
Bromochloromethane	74-97-5	U	10.0	1.91	ug/L	U	5
Bromodichloromethane	75-27-4	U	5.00	0.955	ug/L	U	5
Bromoform	75-25-2	U	10.0	2.09	ug/L	U	5
Bromomethane	74-83-9	U	15.0	3.05	ug/L	U	5
Carbon Disulfide	75-15-0	31.9	40.0	9.56	ug/L	I	5
Carbon Tetrachloride	56-23-5	U	5.00	1.06	ug/L	U	5
Chlorobenzene	108-90-7	U	5.00	1.23	ug/L	U	5
Chloroethane	75-00-3	U	10.0	1.70	ug/L	U	5
Chloroform	67-66-3	U	10.0	1.32	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>750-BND</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-023</b>	Date Collected: <b>Sep-23-09 10:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:30	Analyst: GEJ	Date Prep: Oct-05-09 10:20	Tech: GEJ
Seq Number: 775813			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	10.0	1.25	ug/L	U	5
cis-1,2-Dichloroethene	156-59-2	U	10.0	1.81	ug/L	U	5
cis-1,3-Dichloropropene	10061-01-5	U	5.00	1.25	ug/L	U	5
Dibromomethane	74-95-3	U	5.00	1.19	ug/L	U	5
Dichlorodifluoromethane	75-71-8	U	10.0	2.07	ug/L	U	5
Di-isopropyl Ether	108-20-3	14.7	20.0	5.00	ug/L	I	5
Ethyl tert butyl Ether	637-92-3	U	40.0	10.0	ug/L	U	5
Ethylbenzene	100-41-4	U	5.00	0.980	ug/L	U	5
Hexachlorobutadiene	87-68-3	U	15.0	2.75	ug/L	U	5
isopropylbenzene	98-82-8	U	5.00	1.19	ug/L	U	5
m,p-Xylenes	179601-23-1	U	10.0	1.99	ug/L	U	5
Methyl Iodide	74-88-4	U	80.0	20.0	ug/L	U	5
Methylene Chloride	75-09-2	U	25.0	3.19	ug/L	U	5
MTBE	1634-04-4	214	10.0	1.30	ug/L		5
Naphthalene	91-20-3	U	20.0	5.00	ug/L	U	5
n-Butylbenzene	104-51-8	U	10.0	2.26	ug/L	U	5
n-Propylbenzene	103-65-1	U	20.0	5.00	ug/L	U	5
o-Xylene	95-47-6	U	10.0	1.49	ug/L	U	5
Sec-Butylbenzene	135-98-8	U	10.0	1.64	ug/L	U	5
Styrene	100-42-5	U	5.00	0.980	ug/L	U	5
tert-Amyl methyl Ether	994-05-8	U	40.0	10.0	ug/L	U	5
tert-butyl alcohol	75-65-0	U	125	75.0	ug/L	U	5
tert-Butylbenzene	98-06-6	U	10.0	1.70	ug/L	U	5
Tetrachloroethylene	127-18-4	U	10.0	2.54	ug/L	U	5
Toluene	108-88-3	U	5.00	1.24	ug/L	U	5
trans-1,2-dichloroethene	156-60-5	U	10.0	1.99	ug/L	U	5
trans-1,3-dichloropropene	10061-02-6	U	10.0	1.80	ug/L	U	5
Trichloroethene	79-01-6	U	10.0	1.53	ug/L	U	5
Trichlorofluoromethane	75-69-4	U	10.0	1.51	ug/L	U	5
Vinyl Acetate	108-05-4	U	50.0	11.5	ug/L	U	5
Vinyl Chloride	75-01-4	U	5.00	2.07	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-024</b>	Date Collected: <b>Sep-23-09 10:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 01:08    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 19:47    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.016	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-024</b>	Date Collected: <b>Sep-23-09 10:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 13:53    Analyst: GEJ	Date Prep: Oct-05-09 10:20    Tech: GEJ
Seq Number: 775813	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-024</b>	Date Collected: <b>Sep-23-09 10:15</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:53	Analyst: GEJ	Date Prep: Oct-05-09 10:20	Tech: GEJ
Seq Number: 775813			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	13.1	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-025</b>	Date Collected: <b>Sep-23-09 10:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 01:47    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 20:15    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.104	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-025</b>	Date Collected: <b>Sep-23-09 10:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 14:17    Analyst: GEJ	Date Prep: Oct-05-09 10:20    Tech: GEJ
Seq Number: 775813	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	5.00	1.22	ug/L	U	5
1,1,1-Trichloroethane	71-55-6	U	5.00	1.16	ug/L	U	5
1,1,2,2-Tetrachloroethane	79-34-5	U	5.00	1.16	ug/L	U	5
1,1,2-Trichloroethane	79-00-5	U	10.0	1.44	ug/L	U	5
1,1-Dichloroethane	75-34-3	U	10.0	1.27	ug/L	U	5
1,1-Dichloroethene	75-35-4	U	10.0	1.34	ug/L	U	5
1,1-Dichloropropene	563-58-6	U	10.0	1.53	ug/L	U	5
1,2,3-Trichlorobenzene	87-61-6	U	25.0	6.17	ug/L	U	5
1,2,3-Trichloropropane	96-18-4	U	10.0	1.80	ug/L	U	5
1,2,4-Trichlorobenzene	120-82-1	U	25.0	5.47	ug/L	U	5
1,2,4-Trimethylbenzene	95-63-6	U	20.0	4.12	ug/L	U	5
1,2-Dibromo-3-Chloropropane	96-12-8	U	20.0	4.29	ug/L	U	5
1,2-Dichlorobenzene	95-50-1	U	10.0	1.49	ug/L	U	5
1,2-Dichloroethane	107-06-2	U	10.0	1.69	ug/L	U	5
1,2-Dichloropropane	78-87-5	U	10.0	1.63	ug/L	U	5
1,3,5-trimethylbenzene	108-67-8	U	10.0	2.17	ug/L	U	5
1,3-Dichlorobenzene	541-73-1	U	5.00	1.17	ug/L	U	5
1,3-Dichloropropane	142-28-9	U	5.00	0.995	ug/L	U	5
1,4-Dichlorobenzene	106-46-7	U	5.00	0.963	ug/L	U	5
2,2-Dichloropropane	594-20-7	U	5.00	0.970	ug/L	U	5
2-Butanone	78-93-3	U	100	24.0	ug/L	U	5
2-Chlorotoluene	95-49-8	U	10.0	1.48	ug/L	U	5
2-Hexanone	591-78-6	U	75.0	18.1	ug/L	U	5
4-Chlorotoluene	106-43-4	U	5.00	1.11	ug/L	U	5
4-Methyl-2-Pentanone	108-10-1	U	200	50.0	ug/L	U	5
Acetone	67-64-1	25.6	75.0	18.7	ug/L	I	5
Acrolein	107-02-8	U	70.0	17.3	ug/L	U	5
Acrylonitrile	107-13-1	U	65.0	15.4	ug/L	U	5
Benzene	71-43-2	U	5.00	1.05	ug/L	U	5
Bromobenzene	108-86-1	U	10.0	1.90	ug/L	U	5
Bromochloromethane	74-97-5	U	10.0	1.91	ug/L	U	5
Bromodichloromethane	75-27-4	U	5.00	0.955	ug/L	U	5
Bromoform	75-25-2	U	10.0	2.09	ug/L	U	5
Bromomethane	74-83-9	U	15.0	3.05	ug/L	U	5
Carbon Disulfide	75-15-0	U	40.0	9.56	ug/L	U	5
Carbon Tetrachloride	56-23-5	U	5.00	1.06	ug/L	U	5
Chlorobenzene	108-90-7	U	5.00	1.23	ug/L	U	5
Chloroethane	75-00-3	U	10.0	1.70	ug/L	U	5
Chloroform	67-66-3	U	10.0	1.32	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-8D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-025</b>	Date Collected: <b>Sep-23-09 10:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 14:17	Analyst: GEJ	Date Prep: Oct-05-09 10:20	Tech: GEJ
Seq Number: 775813			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	10.0	1.25	ug/L	U	5
cis-1,2-Dichloroethene	156-59-2	U	10.0	1.81	ug/L	U	5
cis-1,3-Dichloropropene	10061-01-5	U	5.00	1.25	ug/L	U	5
Dibromomethane	74-95-3	U	5.00	1.19	ug/L	U	5
Dichlorodifluoromethane	75-71-8	U	10.0	2.07	ug/L	U	5
Di-isopropyl Ether	108-20-3	8.80	20.0	5.00	ug/L	I	5
Ethyl tert butyl Ether	637-92-3	U	40.0	10.0	ug/L	U	5
Ethylbenzene	100-41-4	U	5.00	0.980	ug/L	U	5
Hexachlorobutadiene	87-68-3	U	15.0	2.75	ug/L	U	5
isopropylbenzene	98-82-8	U	5.00	1.19	ug/L	U	5
m,p-Xylenes	179601-23-1	U	10.0	1.99	ug/L	U	5
Methyl Iodide	74-88-4	U	80.0	20.0	ug/L	U	5
Methylene Chloride	75-09-2	U	25.0	3.19	ug/L	U	5
MTBE	1634-04-4	343	10.0	1.30	ug/L		5
Naphthalene	91-20-3	U	20.0	5.00	ug/L	U	5
n-Butylbenzene	104-51-8	U	10.0	2.26	ug/L	U	5
n-Propylbenzene	103-65-1	U	20.0	5.00	ug/L	U	5
o-Xylene	95-47-6	3.35	10.0	1.49	ug/L	I	5
Sec-Butylbenzene	135-98-8	U	10.0	1.64	ug/L	U	5
Styrene	100-42-5	U	5.00	0.980	ug/L	U	5
tert-Amyl methyl Ether	994-05-8	U	40.0	10.0	ug/L	U	5
tert-butyl alcohol	75-65-0	U	125	75.0	ug/L	U	5
tert-Butylbenzene	98-06-6	U	10.0	1.70	ug/L	U	5
Tetrachloroethylene	127-18-4	U	10.0	2.54	ug/L	U	5
Toluene	108-88-3	U	5.00	1.24	ug/L	U	5
trans-1,2-dichloroethene	156-60-5	U	10.0	1.99	ug/L	U	5
trans-1,3-dichloropropene	10061-02-6	U	10.0	1.80	ug/L	U	5
Trichloroethene	79-01-6	U	10.0	1.53	ug/L	U	5
Trichlorofluoromethane	75-69-4	U	10.0	1.51	ug/L	U	5
Vinyl Acetate	108-05-4	U	50.0	11.5	ug/L	U	5
Vinyl Chloride	75-01-4	U	5.00	2.07	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-9S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-026</b>	Date Collected: <b>Sep-23-09 11:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 03:03    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 20:44    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.017	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>MW-9S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-026</b>	Date Collected: <b>Sep-23-09 11:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-07-09 09:52     Analyst: MEZ	Date Prep: Oct-07-09 07:17     Tech: MEZ
Seq Number: 776348	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-9S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-026</b>	Date Collected: <b>Sep-23-09 11:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-07-09 09:52	Analyst: MEZ	Date Prep: Oct-07-09 07:17	Tech: MEZ
Seq Number: 776348			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.43	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	0.270	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-9D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-027</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 03:42    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 21:12    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-9D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-027</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 21:06    Analyst: ROL    Date Prep: Oct-06-09 14:25    Tech: GEJ	
Seq Number: 775964	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-9D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-027</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 21:06	Analyst: ROL	Date Prep: Oct-06-09 14:25	Tech: GEJ
Seq Number: 775964			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	0.570	2.00	0.261	ug/L	I	1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-2</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-028</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 04:20    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 21:41    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.043	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-2</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-028</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 21:31	Analyst: ROL	Date Prep: Oct-06-09 14:25	Tech: GEJ
Seq Number: 775964			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-2</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-028</b>	Date Collected: <b>Sep-23-09 12:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 21:31	Analyst: ROL	Date Prep: Oct-06-09 14:25	Tech: GEJ
Seq Number: 775964			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
MTBE	1634-04-4	2.79	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-1</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-029</b>	Date Collected: <b>Sep-23-09 12:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 04:58    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 22:09    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.056	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-1</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-029</b>	Date Collected: <b>Sep-23-09 12:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 21:56    Analyst: ROL	Date Prep: Oct-06-09 14:25    Tech: GEJ
Seq Number: 775964	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	0.230	1.00	0.211	ug/L	I	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-1</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-029</b>	Date Collected: <b>Sep-23-09 12:00</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 21:56	Analyst: ROL	Date Prep: Oct-06-09 14:25	Tech: GEJ
Seq Number: 775964			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	0.360	1.00	0.196	ug/L	I	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	0.760	2.00	0.398	ug/L	I	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	0.740	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	5.56	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	0.340	2.00	0.298	ug/L	I	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-4</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-030</b>	Date Collected: <b>Sep-23-09 13:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 05:36    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Oct-29-09 22:38    Analyst: BRL	Date Prep: Sep-29-09 09:00    Tech: BRL
Seq Number: 775286	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.015	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>MW-4</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-030</b>	Date Collected: <b>Sep-23-09 13:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 11:57	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	0.490	2.00	0.263	ug/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-4</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-030</b>	Date Collected: <b>Sep-23-09 13:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 11:57	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	3.04	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	2.73	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-3</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-031</b>	Date Collected: <b>Sep-23-09 12:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 06:15    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 12:44    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.100	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-3</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-031</b>	Date Collected: <b>Sep-23-09 12:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 12:22	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-3</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-031</b>	Date Collected: <b>Sep-23-09 12:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 12:22	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	1.80	4.00	1.00	ug/L	I	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	3.65	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	14.4	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	U	25.0	15.0	ug/L	U	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-10</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-032</b>	Date Collected: <b>Sep-23-09 12:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 06:54    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.230	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 13:13    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.332	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>RW-10</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-032</b>	Date Collected: <b>Sep-23-09 12:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 12:48    Analyst: MEZ	Date Prep: Oct-06-09 08:52    Tech: GEJ
Seq Number: 775967	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	17.3	4.00	0.823	ug/L		1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	3.82	2.00	0.434	ug/L		1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	33.0	1.00	0.211	ug/L		1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>RW-10</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-032</b>	Date Collected: <b>Sep-23-09 12:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 12:48	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	8.23	4.00	1.00	ug/L		1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	8.57	1.00	0.196	ug/L		1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	1.10	1.00	0.238	ug/L		1
m,p-Xylenes	179601-23-1	31.1	2.00	0.398	ug/L		1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	2.23	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	66.6	2.00	0.261	ug/L		1
Naphthalene	91-20-3	20.8	4.00	1.00	ug/L		1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	19.3	2.00	0.298	ug/L		1
Sec-Butylbenzene	135-98-8	0.440	2.00	0.327	ug/L	I	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	4.59	8.00	2.00	ug/L	I	1
tert-butyl alcohol	75-65-0	262	25.0	15.0	ug/L		1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	1.62	1.00	0.247	ug/L		1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW16D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-033</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 07:32    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 13:41    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.074	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW16D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-033</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 14:03    Analyst: MEZ	Date Prep: Oct-06-09 08:52    Tech: GEJ
Seq Number: 775967	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	5.00	1.22	ug/L	U	5
1,1,1-Trichloroethane	71-55-6	U	5.00	1.16	ug/L	U	5
1,1,2,2-Tetrachloroethane	79-34-5	U	5.00	1.16	ug/L	U	5
1,1,2-Trichloroethane	79-00-5	U	10.0	1.44	ug/L	U	5
1,1-Dichloroethane	75-34-3	U	10.0	1.27	ug/L	U	5
1,1-Dichloroethene	75-35-4	U	10.0	1.34	ug/L	U	5
1,1-Dichloropropene	563-58-6	U	10.0	1.53	ug/L	U	5
1,2,3-Trichlorobenzene	87-61-6	U	25.0	6.17	ug/L	U	5
1,2,3-Trichloropropane	96-18-4	U	10.0	1.80	ug/L	U	5
1,2,4-Trichlorobenzene	120-82-1	U	25.0	5.47	ug/L	U	5
1,2,4-Trimethylbenzene	95-63-6	U	20.0	4.12	ug/L	U	5
1,2-Dibromo-3-Chloropropane	96-12-8	U	20.0	4.29	ug/L	U	5
1,2-Dichlorobenzene	95-50-1	U	10.0	1.49	ug/L	U	5
1,2-Dichloroethane	107-06-2	U	10.0	1.69	ug/L	U	5
1,2-Dichloropropane	78-87-5	U	10.0	1.63	ug/L	U	5
1,3,5-trimethylbenzene	108-67-8	U	10.0	2.17	ug/L	U	5
1,3-Dichlorobenzene	541-73-1	U	5.00	1.17	ug/L	U	5
1,3-Dichloropropane	142-28-9	U	5.00	0.995	ug/L	U	5
1,4-Dichlorobenzene	106-46-7	U	5.00	0.963	ug/L	U	5
2,2-Dichloropropane	594-20-7	U	5.00	0.970	ug/L	U	5
2-Butanone	78-93-3	U	100	24.0	ug/L	U	5
2-Chlorotoluene	95-49-8	U	10.0	1.48	ug/L	U	5
2-Hexanone	591-78-6	U	75.0	18.1	ug/L	U	5
4-Chlorotoluene	106-43-4	U	5.00	1.11	ug/L	U	5
4-Methyl-2-Pentanone	108-10-1	U	200	50.0	ug/L	U	5
Acetone	67-64-1	U	75.0	18.7	ug/L	U	5
Acrolein	107-02-8	U	70.0	17.3	ug/L	U	5
Acrylonitrile	107-13-1	U	65.0	15.4	ug/L	U	5
Benzene	71-43-2	1.40	5.00	1.05	ug/L	I	5
Bromobenzene	108-86-1	U	10.0	1.90	ug/L	U	5
Bromochloromethane	74-97-5	U	10.0	1.91	ug/L	U	5
Bromodichloromethane	75-27-4	U	5.00	0.955	ug/L	U	5
Bromoform	75-25-2	U	10.0	2.09	ug/L	U	5
Bromomethane	74-83-9	U	15.0	3.05	ug/L	U	5
Carbon Disulfide	75-15-0	U	40.0	9.56	ug/L	U	5
Carbon Tetrachloride	56-23-5	U	5.00	1.06	ug/L	U	5
Chlorobenzene	108-90-7	U	5.00	1.23	ug/L	U	5
Chloroethane	75-00-3	U	10.0	1.70	ug/L	U	5
Chloroform	67-66-3	U	10.0	1.32	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW16D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-033</b>	Date Collected: <b>Sep-23-09 11:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 14:03	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	10.0	1.25	ug/L	U	5
cis-1,2-Dichloroethene	156-59-2	U	10.0	1.81	ug/L	U	5
cis-1,3-Dichloropropene	10061-01-5	U	5.00	1.25	ug/L	U	5
Dibromomethane	74-95-3	U	5.00	1.19	ug/L	U	5
Dichlorodifluoromethane	75-71-8	U	10.0	2.07	ug/L	U	5
Di-isopropyl Ether	108-20-3	U	20.0	5.00	ug/L	U	5
Ethyl tert butyl Ether	637-92-3	U	40.0	10.0	ug/L	U	5
Ethylbenzene	100-41-4	U	5.00	0.980	ug/L	U	5
Hexachlorobutadiene	87-68-3	U	15.0	2.75	ug/L	U	5
isopropylbenzene	98-82-8	U	5.00	1.19	ug/L	U	5
m,p-Xylenes	179601-23-1	U	10.0	1.99	ug/L	U	5
Methyl Iodide	74-88-4	U	80.0	20.0	ug/L	U	5
Methylene Chloride	75-09-2	22.6	25.0	3.19	ug/L	I	5
MTBE	1634-04-4	393	10.0	1.30	ug/L		5
Naphthalene	91-20-3	U	20.0	5.00	ug/L	U	5
n-Butylbenzene	104-51-8	U	10.0	2.26	ug/L	U	5
n-Propylbenzene	103-65-1	U	20.0	5.00	ug/L	U	5
o-Xylene	95-47-6	1.90	10.0	1.49	ug/L	I	5
Sec-Butylbenzene	135-98-8	U	10.0	1.64	ug/L	U	5
Styrene	100-42-5	U	5.00	0.980	ug/L	U	5
tert-Amyl methyl Ether	994-05-8	U	40.0	10.0	ug/L	U	5
tert-butyl alcohol	75-65-0	139	125	75.0	ug/L		5
tert-Butylbenzene	98-06-6	U	10.0	1.70	ug/L	U	5
Tetrachloroethylene	127-18-4	U	10.0	2.54	ug/L	U	5
Toluene	108-88-3	U	5.00	1.24	ug/L	U	5
trans-1,2-dichloroethene	156-60-5	U	10.0	1.99	ug/L	U	5
trans-1,3-dichloropropene	10061-02-6	U	10.0	1.80	ug/L	U	5
Trichloroethene	79-01-6	U	10.0	1.53	ug/L	U	5
Trichlorofluoromethane	75-69-4	U	10.0	1.51	ug/L	U	5
Vinyl Acetate	108-05-4	U	50.0	11.5	ug/L	U	5
Vinyl Chloride	75-01-4	U	5.00	2.07	ug/L	U	5

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-034</b>	Date Collected: <b>Sep-23-09 09:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-02-09 08:10    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEE
Seq Number: 775632	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.037	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 14:10    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.397	0.100	0.013	mg/L		1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-034</b>	Date Collected: <b>Sep-23-09 09:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-06-09 14:28    Analyst: MEZ	Date Prep: Oct-06-09 08:52    Tech: GEJ
Seq Number: 775967	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	10.0	2.43	ug/L	U	10
1,1,1-Trichloroethane	71-55-6	U	10.0	2.32	ug/L	U	10
1,1,2,2-Tetrachloroethane	79-34-5	U	10.0	2.33	ug/L	U	10
1,1,2-Trichloroethane	79-00-5	U	20.0	2.88	ug/L	U	10
1,1-Dichloroethane	75-34-3	U	20.0	2.55	ug/L	U	10
1,1-Dichloroethene	75-35-4	U	20.0	2.69	ug/L	U	10
1,1-Dichloropropene	563-58-6	U	20.0	3.06	ug/L	U	10
1,2,3-Trichlorobenzene	87-61-6	U	50.0	12.3	ug/L	U	10
1,2,3-Trichloropropane	96-18-4	U	20.0	3.59	ug/L	U	10
1,2,4-Trichlorobenzene	120-82-1	U	50.0	10.9	ug/L	U	10
1,2,4-Trimethylbenzene	95-63-6	U	40.0	8.23	ug/L	U	10
1,2-Dibromo-3-Chloropropane	96-12-8	U	40.0	8.59	ug/L	U	10
1,2-Dichlorobenzene	95-50-1	U	20.0	2.98	ug/L	U	10
1,2-Dichloroethane	107-06-2	U	20.0	3.38	ug/L	U	10
1,2-Dichloropropane	78-87-5	U	20.0	3.26	ug/L	U	10
1,3,5-trimethylbenzene	108-67-8	U	20.0	4.34	ug/L	U	10
1,3-Dichlorobenzene	541-73-1	U	10.0	2.35	ug/L	U	10
1,3-Dichloropropane	142-28-9	U	10.0	1.99	ug/L	U	10
1,4-Dichlorobenzene	106-46-7	U	10.0	1.93	ug/L	U	10
2,2-Dichloropropane	594-20-7	U	10.0	1.94	ug/L	U	10
2-Butanone	78-93-3	U	200	48.0	ug/L	U	10
2-Chlorotoluene	95-49-8	U	20.0	2.96	ug/L	U	10
2-Hexanone	591-78-6	U	150	36.1	ug/L	U	10
4-Chlorotoluene	106-43-4	U	10.0	2.23	ug/L	U	10
4-Methyl-2-Pentanone	108-10-1	U	400	100	ug/L	U	10
Acetone	67-64-1	U	150	37.4	ug/L	U	10
Acrolein	107-02-8	U	140	34.5	ug/L	U	10
Acrylonitrile	107-13-1	U	130	30.8	ug/L	U	10
Benzene	71-43-2	40.3	10.0	2.11	ug/L		10
Bromobenzene	108-86-1	U	20.0	3.81	ug/L	U	10
Bromochloromethane	74-97-5	U	20.0	3.82	ug/L	U	10
Bromodichloromethane	75-27-4	U	10.0	1.91	ug/L	U	10
Bromoform	75-25-2	U	20.0	4.18	ug/L	U	10
Bromomethane	74-83-9	U	30.0	6.10	ug/L	U	10
Carbon Disulfide	75-15-0	U	80.0	19.1	ug/L	U	10
Carbon Tetrachloride	56-23-5	U	10.0	2.13	ug/L	U	10
Chlorobenzene	108-90-7	U	10.0	2.45	ug/L	U	10
Chloroethane	75-00-3	U	20.0	3.40	ug/L	U	10
Chloroform	67-66-3	U	20.0	2.63	ug/L	U	10

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17S</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-034</b>	Date Collected: <b>Sep-23-09 09:20</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 14:28	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	6.00	20.0	2.50	ug/L	I	10
cis-1,2-Dichloroethene	156-59-2	U	20.0	3.62	ug/L	U	10
cis-1,3-Dichloropropene	10061-01-5	U	10.0	2.49	ug/L	U	10
Dibromomethane	74-95-3	U	10.0	2.38	ug/L	U	10
Dichlorodifluoromethane	75-71-8	U	20.0	4.14	ug/L	U	10
Di-isopropyl Ether	108-20-3	16.2	40.0	10.0	ug/L	I	10
Ethyl tert butyl Ether	637-92-3	U	80.0	20.0	ug/L	U	10
Ethylbenzene	100-41-4	U	10.0	1.96	ug/L	U	10
Hexachlorobutadiene	87-68-3	U	30.0	5.49	ug/L	U	10
isopropylbenzene	98-82-8	U	10.0	2.38	ug/L	U	10
m,p-Xylenes	179601-23-1	U	20.0	3.98	ug/L	U	10
Methyl Iodide	74-88-4	U	160	40.0	ug/L	U	10
Methylene Chloride	75-09-2	45.0	50.0	6.39	ug/L	I	10
MTBE	1634-04-4	967	20.0	2.61	ug/L		10
Naphthalene	91-20-3	U	40.0	10.0	ug/L	U	10
n-Butylbenzene	104-51-8	U	20.0	4.52	ug/L	U	10
n-Propylbenzene	103-65-1	U	40.0	10.0	ug/L	U	10
o-Xylene	95-47-6	6.90	20.0	2.98	ug/L	I	10
Sec-Butylbenzene	135-98-8	U	20.0	3.27	ug/L	U	10
Styrene	100-42-5	U	10.0	1.96	ug/L	U	10
tert-Amyl methyl Ether	994-05-8	U	80.0	20.0	ug/L	U	10
tert-butyl alcohol	75-65-0	317	250	150	ug/L		10
tert-Butylbenzene	98-06-6	U	20.0	3.39	ug/L	U	10
Tetrachloroethylene	127-18-4	U	20.0	5.08	ug/L	U	10
Toluene	108-88-3	U	10.0	2.47	ug/L	U	10
trans-1,2-dichloroethene	156-60-5	U	20.0	3.99	ug/L	U	10
trans-1,3-dichloropropene	10061-02-6	U	20.0	3.59	ug/L	U	10
Trichloroethene	79-01-6	U	20.0	3.05	ug/L	U	10
Trichlorofluoromethane	75-69-4	U	20.0	3.01	ug/L	U	10
Vinyl Acetate	108-05-4	U	100	23.0	ug/L	U	10
Vinyl Chloride	75-01-4	U	10.0	4.14	ug/L	U	10

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# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-035</b>	Date Collected: <b>Sep-23-09 10:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 05:55    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEA
Seq Number: 775635	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 14:38    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.015	0.100	0.013	mg/L	I	1

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Version: 1.020



# Certificate of Analytical Results 345939



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>MW-17D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-035</b>	Date Collected: <b>Sep-23-09 10:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:13	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
	Seq Number: 775967		

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.390	2.00	0.255	ug/L	I	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.430	2.00	0.338	ug/L	I	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	0.840	1.00	0.211	ug/L	I	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17D</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-035</b>	Date Collected: <b>Sep-23-09 10:10</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:13	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
	Seq Number: 775967		

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	0.830	2.00	0.250	ug/L	I	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	3.24	4.00	1.00	ug/L	I	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.93	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	50.9	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	17.4	25.0	15.0	ug/L	I	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	0.500	2.00	0.305	ug/L	I	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17W</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-036</b>	Date Collected: <b>Sep-23-09 09:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>	Prep Method: SW3510C
Date Analyzed: Oct-01-09 06:33    Analyst: ROR	Date Prep: Sep-30-09 09:00    Tech: HEA
Seq Number: 775635	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	0.074	0.800	0.036	mg/L	I	1

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-30-09 15:07    Analyst: BRL	Date Prep: Sep-30-09 08:00    Tech: BRL
Seq Number: 775242	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	0.023	0.100	0.013	mg/L	I	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17W</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-036</b>	Date Collected: <b>Sep-23-09 09:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:38	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
Seq Number: 775967			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	0.550	1.00	0.211	ug/L	I	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	3.59	8.00	1.91	ug/L	I	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 345939



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>MW-17W</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>345939-036</b>	Date Collected: <b>Sep-23-09 09:45</b>	
	Date Received: <b>Sep-24-09 12:00</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>		
Date Analyzed: Oct-06-09 13:38	Analyst: MEZ	Date Prep: Oct-06-09 08:52	Tech: GEJ
	Seq Number: 775967		

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	0.238	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	2.00	0.414	ug/L	U	1
Di-isopropyl Ether	108-20-3	U	4.00	1.00	ug/L	U	1
Ethyl tert butyl Ether	637-92-3	U	8.00	2.00	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	3.00	0.549	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	0.238	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.398	ug/L	U	1
Methyl Iodide	74-88-4	U	16.0	4.00	ug/L	U	1
Methylene Chloride	75-09-2	1.97	5.00	0.639	ug/L	I	1
MTBE	1634-04-4	46.8	2.00	0.261	ug/L		1
Naphthalene	91-20-3	U	4.00	1.00	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.452	ug/L	U	1
n-Propylbenzene	103-65-1	U	4.00	1.00	ug/L	U	1
o-Xylene	95-47-6	U	2.00	0.298	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	2.00	0.327	ug/L	U	1
Styrene	100-42-5	U	1.00	0.196	ug/L	U	1
tert-Amyl methyl Ether	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol	75-65-0	17.4	25.0	15.0	ug/L	I	1
tert-Butylbenzene	98-06-6	U	2.00	0.339	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	0.630	1.00	0.247	ug/L	I	1
trans-1,2-dichloroethene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Acetate	108-05-4	U	10.0	2.30	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



# Flagging Criteria

## FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .
  - J1: No known quality control criteria exist for the component;
  - J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);
  - J3: The sample matrix interfered with the ability to make any accurate determination;
  - J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).
  - J5: The field calibration verification did not meet calibration acceptance criteria.
  - J6: QC protocol not followed.

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(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555





# Flagging Criteria

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
  1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
  2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
  1. The component has been tentatively identified based on mass spectral library search; or
  2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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# Flagging Criteria

- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present (TNTC); the numeric value represents the filtration volume.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- \* Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.

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# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 774876

Sample: 345939-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 21:37

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 774876

Sample: 345939-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 22:06

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-003 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 22:34

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 23:03

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 23:31

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 774876

Sample: 345939-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/28/09 23:59

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 00:28

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 00:56

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.053	0.050	106	70-130	

Lab Batch #: 774876

Sample: 345939-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 01:25

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 01:53

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.059	0.050	118	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 774876

Sample: 345939-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 02:22

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 02:50

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 774876

Sample: 345939-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 03:18

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 774876

Sample: 345939-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 03:47

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.058	0.050	116	70-130	

Lab Batch #: 774876

Sample: 345939-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 04:15

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.057	0.050	114	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 774876

Sample: 345939-015 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 05:40

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.052	0.050	104	70-130	

Lab Batch #: 774876

Sample: 345939-015 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 06:08

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.052	0.050	104	70-130	

Lab Batch #: 774876

Sample: 539212-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 18:19

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.052	0.050	104	70-130	

Lab Batch #: 774876

Sample: 539212-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/29/09 19:15

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 775242

Sample: 539332-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 09:09

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775242

Sample: 539332-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 10:06

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.053	0.050	106	70-130	

Lab Batch #: 775242

Sample: 345939-031 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 12:44

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775242

Sample: 345939-032 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 13:13

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.056	0.050	112	70-130	

Lab Batch #: 775242

Sample: 345939-033 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 13:41

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775242

Sample: 345939-034 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 14:10

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775242

Sample: 345939-035 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 14:38

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775242

Sample: 345939-036 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 15:07

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.056	0.050	112	70-130	

Lab Batch #: 775242

Sample: 345939-033 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 18:29

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

Lab Batch #: 775242

Sample: 345939-033 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 18:58

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

Lab Batch #: 775286

Sample: 345939-016 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 00:03

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.052	0.050	104	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775286

Sample: 345939-016 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 00:31

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

Lab Batch #: 775286

Sample: 539326-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 14:03

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

Lab Batch #: 775286

Sample: 539326-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 15:00

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.053	0.050	106	70-130	

Lab Batch #: 775286

Sample: 345939-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 15:58

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-017 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 16:27

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775286

Sample: 345939-018 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 16:55

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-019 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 17:24

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 775286

Sample: 345939-020 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 17:52

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-021 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 18:21

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.051	0.050	102	70-130	

Lab Batch #: 775286

Sample: 345939-022 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 18:50

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775286

Sample: 345939-023 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 10/29/09 19:18	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-024 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 10/29/09 19:47	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-025 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 10/29/09 20:15	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.006	0.050	12	70-130	J3

Lab Batch #: 775286

Sample: 345939-026 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 10/29/09 20:44	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-027 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 10/29/09 21:12	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.054	0.050	108	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775286

Sample: 345939-028 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 21:41

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 775286

Sample: 345939-029 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 22:09

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.054	0.050	108	70-130	

Lab Batch #: 775286

Sample: 345939-030 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/29/09 22:38

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.055	0.050	110	70-130	

Lab Batch #: 775626

Sample: 539093-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 08:34

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.156	0.200	78	35-164	

Lab Batch #: 775626

Sample: 539093-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 09:13

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.168	0.200	84	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775626

Sample: 346398-001 S / MS

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/30/09 09:51	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH DRO by SW-846 8015						
Analytes						
o-Terphenyl		0.181	0.200	91	35-164	

Lab Batch #: 775626

Sample: 346398-001 SD / MSD

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/30/09 10:30	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH DRO by SW-846 8015						
Analytes						
o-Terphenyl		0.180	0.200	90	35-164	

Lab Batch #: 775626

Sample: 345939-001 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/30/09 15:52	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH DRO by SW-846 8015						
Analytes						
o-Terphenyl		0.181	0.200	91	35-164	

Lab Batch #: 775626

Sample: 345939-002 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/30/09 16:30	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH DRO by SW-846 8015						
Analytes						
o-Terphenyl		0.151	0.200	76	35-164	

Lab Batch #: 775626

Sample: 345939-003 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/30/09 17:09	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH DRO by SW-846 8015						
Analytes						
o-Terphenyl		0.258	0.200	129	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775626

Sample: 345939-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 17:47

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.221	0.200	111	35-164	

Lab Batch #: 775626

Sample: 345939-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 18:26

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.163	0.200	82	35-164	

Lab Batch #: 775626

Sample: 345939-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 19:05

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.241	0.200	121	35-164	

Lab Batch #: 775626

Sample: 345939-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 19:43

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.189	0.200	95	35-164	

Lab Batch #: 775626

Sample: 345939-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 20:22

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.209	0.200	105	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775626

Sample: 345939-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 21:00

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.177	0.200	89	35-164	

Lab Batch #: 775626

Sample: 345939-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 21:39

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.240	0.200	120	35-164	

Lab Batch #: 775626

Sample: 345939-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 22:55

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.170	0.200	85	35-164	

Lab Batch #: 775626

Sample: 345939-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/30/09 23:33

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.190	0.200	95	35-164	

Lab Batch #: 775626

Sample: 345939-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 00:11

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.177	0.200	89	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775626

Sample: 345939-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 00:49

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.156	0.200	78	35-164	

Lab Batch #: 775626

Sample: 345939-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 01:27

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.201	0.200	101	35-164	

Lab Batch #: 775632

Sample: 539094-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 17:26

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.173	0.200	87	35-164	

Lab Batch #: 775632

Sample: 539094-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 18:05

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.158	0.200	79	35-164	

Lab Batch #: 775632

Sample: 539094-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 18:43

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.176	0.200	88	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775632

Sample: 345939-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 20:00

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.150	0.200	75	35-164	

Lab Batch #: 775632

Sample: 345939-017 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 20:38

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.140	0.200	70	35-164	

Lab Batch #: 775632

Sample: 345939-018 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 21:17

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.183	0.200	92	35-164	

Lab Batch #: 775632

Sample: 345939-019 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 21:57

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.134	0.200	67	35-164	

Lab Batch #: 775632

Sample: 345939-020 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 22:35

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.162	0.200	81	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775632

Sample: 345939-021 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 23:13

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.151	0.200	76	35-164	

Lab Batch #: 775632

Sample: 345939-022 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 23:52

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.095	0.200	48	35-164	

Lab Batch #: 775632

Sample: 345939-023 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 00:30

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.162	0.200	81	35-164	

Lab Batch #: 775632

Sample: 345939-024 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 01:08

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.141	0.200	71	35-164	

Lab Batch #: 775632

Sample: 345939-025 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 01:47

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.129	0.200	65	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775632

Sample: 345939-026 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 03:03

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.141	0.200	71	35-164	

Lab Batch #: 775632

Sample: 345939-027 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 03:42

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.123	0.200	62	35-164	

Lab Batch #: 775632

Sample: 345939-028 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 04:20

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.143	0.200	72	35-164	

Lab Batch #: 775632

Sample: 345939-029 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 04:58

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.183	0.200	92	35-164	

Lab Batch #: 775632

Sample: 345939-030 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 05:36

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.160	0.200	80	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775632

Sample: 345939-031 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 06:15

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.160	0.200	80	35-164	

Lab Batch #: 775632

Sample: 345939-032 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 06:54

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.161	0.200	81	35-164	

Lab Batch #: 775632

Sample: 345939-033 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 07:32

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.153	0.200	77	35-164	

Lab Batch #: 775632

Sample: 345939-034 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/02/09 08:10

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.168	0.200	84	35-164	

Lab Batch #: 775635

Sample: 539097-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 02:05

## SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.176	0.200	88	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775635

Sample: 539097-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 02:44

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.229	0.200	115	35-164	

Lab Batch #: 775635

Sample: 346548-001 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 03:22

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.236	0.200	118	35-164	

Lab Batch #: 775635

Sample: 346548-001 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 04:00

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.204	0.200	102	35-164	

Lab Batch #: 775635

Sample: 345939-035 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 05:55

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.206	0.200	103	35-164	

Lab Batch #: 775635

Sample: 345939-036 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 10/01/09 06:33

### SURROGATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.170	0.200	85	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 539290-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 15:49

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.53	30.00	98	70-130	
Dibromofluoromethane	29.26	30.00	98	70-130	
Toluene-D8	30.10	30.00	100	70-130	

Lab Batch #: 775263

Sample: 539290-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 17:01

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.17	30.00	101	70-130	
Dibromofluoromethane	30.34	30.00	101	70-130	
Toluene-D8	29.54	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 17:23

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.63	30.00	102	70-130	
Dibromofluoromethane	30.85	30.00	103	70-130	
Toluene-D8	29.37	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-002 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 17:46

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.05	30.00	104	70-130	
Dibromofluoromethane	30.14	30.00	100	70-130	
Toluene-D8	29.64	30.00	99	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 345939-003 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 18:09

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.74	30.00	102	70-130	
Dibromofluoromethane	31.17	30.00	104	70-130	
Toluene-D8	29.64	30.00	99	70-130	

Lab Batch #: 775263

Sample: 345939-004 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 18:32

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.58	30.00	102	70-130	
Dibromofluoromethane	30.42	30.00	101	70-130	
Toluene-D8	29.66	30.00	99	70-130	

Lab Batch #: 775263

Sample: 345939-005 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 18:55

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.01	30.00	103	70-130	
Dibromofluoromethane	30.92	30.00	103	70-130	
Toluene-D8	29.39	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-006 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 19:18

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.36	30.00	105	70-130	
Dibromofluoromethane	30.26	30.00	101	70-130	
Toluene-D8	29.48	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 345939-007 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 19:41

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.38	30.00	105	70-130	
Dibromofluoromethane	30.21	30.00	101	70-130	
Toluene-D8	29.32	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-008 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 20:03

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.94	30.00	103	70-130	
Dibromofluoromethane	30.45	30.00	102	70-130	
Toluene-D8	29.39	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-009 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 20:26

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.05	30.00	104	70-130	
Dibromofluoromethane	30.96	30.00	103	70-130	
Toluene-D8	29.54	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-010 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 20:49

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.20	30.00	104	70-130	
Dibromofluoromethane	29.94	30.00	100	70-130	
Toluene-D8	29.93	30.00	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 345939-012 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 21:35

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.92	30.00	106	70-130	
Dibromofluoromethane	30.94	30.00	103	70-130	
Toluene-D8	29.35	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-013 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 21:57

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.83	30.00	106	70-130	
Dibromofluoromethane	31.05	30.00	104	70-130	
Toluene-D8	29.44	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-014 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 22:20

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.85	30.00	103	70-130	
Dibromofluoromethane	30.37	30.00	101	70-130	
Toluene-D8	29.36	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-015 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 22:43

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.83	30.00	103	70-130	
Dibromofluoromethane	31.63	30.00	105	70-130	
Toluene-D8	29.23	30.00	97	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 345939-016 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 23:06

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.90	30.00	106	70-130	
Dibromofluoromethane	30.73	30.00	102	70-130	
Toluene-D8	29.48	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-017 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 23:29

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	32.00	30.00	107	70-130	
Dibromofluoromethane	31.07	30.00	104	70-130	
Toluene-D8	29.28	30.00	98	70-130	

Lab Batch #: 775263

Sample: 345939-018 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/01/09 23:52

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.47	30.00	102	70-130	
Dibromofluoromethane	30.63	30.00	102	70-130	
Toluene-D8	29.23	30.00	97	70-130	

Lab Batch #: 775263

Sample: 345939-020 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 00:37

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.57	30.00	105	70-130	
Dibromofluoromethane	29.59	30.00	99	70-130	
Toluene-D8	29.71	30.00	99	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775263

Sample: 345939-001 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 01:00

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.04	30.00	100	70-130	
Dibromofluoromethane	29.67	30.00	99	70-130	
Toluene-D8	29.96	30.00	100	70-130	

Lab Batch #: 775263

Sample: 345939-001 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 01:23

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.84	30.00	99	70-130	
Dibromofluoromethane	29.69	30.00	99	70-130	
Toluene-D8	29.85	30.00	100	70-130	

Lab Batch #: 775595

Sample: 539454-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 16:30

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.82	30.00	96	70-130	
Dibromofluoromethane	28.63	30.00	95	70-130	
Toluene-D8	29.66	30.00	99	70-130	

Lab Batch #: 775595

Sample: 539454-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 17:53

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.86	30.00	100	70-130	
Dibromofluoromethane	30.76	30.00	103	70-130	
Toluene-D8	29.73	30.00	99	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775595

Sample: 345939-011 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 19:57

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.69	30.00	106	70-130	
Dibromofluoromethane	30.43	30.00	101	70-130	
Toluene-D8	29.30	30.00	98	70-130	

Lab Batch #: 775595

Sample: 345939-019 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 20:22

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	32.18	30.00	107	70-130	
Dibromofluoromethane	31.22	30.00	104	70-130	
Toluene-D8	29.33	30.00	98	70-130	

Lab Batch #: 775595

Sample: 345939-002 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 21:36

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.61	30.00	105	70-130	
Dibromofluoromethane	31.18	30.00	104	70-130	
Toluene-D8	29.43	30.00	98	70-130	

Lab Batch #: 775595

Sample: 345939-003 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 22:01

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.09	30.00	100	70-130	
Dibromofluoromethane	31.42	30.00	105	70-130	
Toluene-D8	29.40	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775595

Sample: 345939-004 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 22:25

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.03	30.00	103	70-130	
Dibromofluoromethane	31.04	30.00	103	70-130	
Toluene-D8	29.52	30.00	98	70-130	

Lab Batch #: 775595

Sample: 345939-005 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 22:50

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.04	30.00	100	70-130	
Dibromofluoromethane	31.84	30.00	106	70-130	
Toluene-D8	29.81	30.00	99	70-130	

Lab Batch #: 775595

Sample: 345939-006 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 23:15

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.05	30.00	104	70-130	
Dibromofluoromethane	31.18	30.00	104	70-130	
Toluene-D8	29.66	30.00	99	70-130	

Lab Batch #: 775595

Sample: 345939-007 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/02/09 23:39

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.90	30.00	103	70-130	
Dibromofluoromethane	31.42	30.00	105	70-130	
Toluene-D8	29.68	30.00	99	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775595

Sample: 345939-008 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 00:04

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.83	30.00	99	70-130	
Dibromofluoromethane	32.34	30.00	108	70-130	
Toluene-D8	29.22	30.00	97	70-130	

Lab Batch #: 775595

Sample: 345939-009 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 00:28

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.26	30.00	104	70-130	
Dibromofluoromethane	32.10	30.00	107	70-130	
Toluene-D8	29.62	30.00	99	70-130	

Lab Batch #: 775595

Sample: 345939-010 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 00:53

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.85	30.00	103	70-130	
Dibromofluoromethane	31.61	30.00	105	70-130	
Toluene-D8	29.42	30.00	98	70-130	

Lab Batch #: 775595

Sample: 345939-018 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 01:18

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.40	30.00	101	70-130	
Dibromofluoromethane	32.05	30.00	107	70-130	
Toluene-D8	29.31	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775595

Sample: 345939-020 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 01:42

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.21	30.00	101	70-130	
Dibromofluoromethane	31.33	30.00	104	70-130	
Toluene-D8	28.96	30.00	97	70-130	

Lab Batch #: 775595

Sample: 345939-011 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 02:31

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.47	30.00	98	70-130	
Dibromofluoromethane	31.08	30.00	104	70-130	
Toluene-D8	29.95	30.00	100	70-130	

Lab Batch #: 775595

Sample: 345939-011 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/03/09 02:56

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.00	30.00	100	70-130	
Dibromofluoromethane	30.53	30.00	102	70-130	
Toluene-D8	29.41	30.00	98	70-130	

Lab Batch #: 775813

Sample: 539555-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 08:55

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.39	30.00	105	70-130	
Dibromofluoromethane	30.18	30.00	101	70-130	
Toluene-D8	30.84	30.00	103	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775813

Sample: 539555-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 10:09

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	32.82	30.00	109	70-130	
Dibromofluoromethane	29.76	30.00	99	70-130	
Toluene-D8	31.08	30.00	104	70-130	

Lab Batch #: 775813

Sample: 345939-021 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 12:42

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	32.09	30.00	107	70-130	
Dibromofluoromethane	31.18	30.00	104	70-130	
Toluene-D8	30.32	30.00	101	70-130	

Lab Batch #: 775813

Sample: 345939-022 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 13:06

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	34.42	30.00	115	70-130	
Dibromofluoromethane	30.57	30.00	102	70-130	
Toluene-D8	30.72	30.00	102	70-130	

Lab Batch #: 775813

Sample: 345939-023 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 13:30

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.98	30.00	107	70-130	
Dibromofluoromethane	31.17	30.00	104	70-130	
Toluene-D8	30.90	30.00	103	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775813

Sample: 345939-024 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 13:53

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.89	30.00	100	70-130	
Dibromofluoromethane	30.71	30.00	102	70-130	
Toluene-D8	30.21	30.00	101	70-130	

Lab Batch #: 775813

Sample: 345939-025 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 14:17

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.47	30.00	105	70-130	
Dibromofluoromethane	30.37	30.00	101	70-130	
Toluene-D8	30.66	30.00	102	70-130	

Lab Batch #: 775813

Sample: 346041-001 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 15:04

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.94	30.00	96	70-130	
Dibromofluoromethane	31.28	30.00	104	70-130	
Toluene-D8	31.33	30.00	104	70-130	

Lab Batch #: 775813

Sample: 346041-001 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 15:27

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.53	30.00	98	70-130	
Dibromofluoromethane	30.80	30.00	103	70-130	
Toluene-D8	30.61	30.00	102	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775964

Sample: 539751-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 16:48

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.10	30.00	97	70-130	
Dibromofluoromethane	30.30	30.00	101	70-130	
Toluene-D8	30.27	30.00	101	70-130	

Lab Batch #: 775964

Sample: 347209-001 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 17:22

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.65	30.00	96	70-130	
Dibromofluoromethane	30.34	30.00	101	70-130	
Toluene-D8	31.25	30.00	104	70-130	

Lab Batch #: 775964

Sample: 347209-001 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 17:47

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.65	30.00	96	70-130	
Dibromofluoromethane	29.57	30.00	99	70-130	
Toluene-D8	29.77	30.00	99	70-130	

Lab Batch #: 775964

Sample: 539751-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 19:01

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.44	30.00	101	70-130	
Dibromofluoromethane	29.76	30.00	99	70-130	
Toluene-D8	29.26	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



## Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775964

Sample: 345939-027 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 21:06

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.15	30.00	104	70-130	
Dibromofluoromethane	30.07	30.00	100	70-130	
Toluene-D8	29.88	30.00	100	70-130	

Lab Batch #: 775964

Sample: 345939-028 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 21:31

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.15	30.00	104	70-130	
Dibromofluoromethane	30.51	30.00	102	70-130	
Toluene-D8	29.20	30.00	97	70-130	

Lab Batch #: 775964

Sample: 345939-029 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 21:56

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.18	30.00	104	70-130	
Dibromofluoromethane	30.91	30.00	103	70-130	
Toluene-D8	29.60	30.00	99	70-130	

Lab Batch #: 775967

Sample: 539694-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 09:24

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.97	30.00	97	70-130	
Dibromofluoromethane	29.77	30.00	99	70-130	
Toluene-D8	30.21	30.00	101	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775967

Sample: 539694-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 10:40

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.37	30.00	98	70-130	
Dibromofluoromethane	31.72	30.00	106	70-130	
Toluene-D8	29.83	30.00	99	70-130	

Lab Batch #: 775967

Sample: 345939-030 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 11:57

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.59	30.00	105	70-130	
Dibromofluoromethane	31.66	30.00	106	70-130	
Toluene-D8	30.31	30.00	101	70-130	

Lab Batch #: 775967

Sample: 345939-031 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 12:22

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.99	30.00	103	70-130	
Dibromofluoromethane	31.69	30.00	106	70-130	
Toluene-D8	29.83	30.00	99	70-130	

Lab Batch #: 775967

Sample: 345939-032 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 12:48

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.82	30.00	103	70-130	
Dibromofluoromethane	30.87	30.00	103	70-130	
Toluene-D8	30.11	30.00	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775967

Sample: 345939-035 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 13:13

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.42	30.00	105	70-130	
Dibromofluoromethane	31.79	30.00	106	70-130	
Toluene-D8	29.84	30.00	99	70-130	

Lab Batch #: 775967

Sample: 345939-036 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 13:38

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.32	30.00	104	70-130	
Dibromofluoromethane	31.97	30.00	107	70-130	
Toluene-D8	29.52	30.00	98	70-130	

Lab Batch #: 775967

Sample: 345939-033 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 14:03

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.95	30.00	103	70-130	
Dibromofluoromethane	31.38	30.00	105	70-130	
Toluene-D8	29.28	30.00	98	70-130	

Lab Batch #: 775967

Sample: 345939-034 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 14:28

## SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	30.72	30.00	102	70-130	
Dibromofluoromethane	31.37	30.00	105	70-130	
Toluene-D8	29.53	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 775967

Sample: 345939-030 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 14:54

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.59	30.00	99	70-130	
Dibromofluoromethane	31.74	30.00	106	70-130	
Toluene-D8	30.14	30.00	100	70-130	

Lab Batch #: 775967

Sample: 345939-030 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/06/09 15:19

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.28	30.00	98	70-130	
Dibromofluoromethane	30.77	30.00	103	70-130	
Toluene-D8	30.11	30.00	100	70-130	

Lab Batch #: 776348

Sample: 539847-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/07/09 08:10

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	28.56	30.00	95	70-130	
Dibromofluoromethane	29.60	30.00	99	70-130	
Toluene-D8	30.21	30.00	101	70-130	

Lab Batch #: 776348

Sample: 539847-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/07/09 09:27

### SURROGATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.12	30.00	104	70-130	
Dibromofluoromethane	30.32	30.00	101	70-130	
Toluene-D8	29.47	30.00	98	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 345939,

Project ID: 15541 New Hampshire

Lab Batch #: 776348

Sample: 345939-026 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/07/09 09:52

SURROGATE RECOVERY STUDY					
VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	31.48	30.00	105	70-130	
Dibromofluoromethane	30.92	30.00	103	70-130	
Toluene-D8	29.84	30.00	99	70-130	

Lab Batch #: 776348

Sample: 345939-026 S / MS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/07/09 14:31

SURROGATE RECOVERY STUDY					
VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.34	30.00	98	70-130	
Dibromofluoromethane	28.79	30.00	96	70-130	
Toluene-D8	29.90	30.00	100	70-130	

Lab Batch #: 776348

Sample: 345939-026 SD / MSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 10/07/09 14:57

SURROGATE RECOVERY STUDY					
VOAs by SW-846 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	29.62	30.00	99	70-130	
Dibromofluoromethane	28.88	30.00	96	70-130	
Toluene-D8	29.92	30.00	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



**Blank Summary** **345939**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>539093-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539093-1-BLK</b>	

Analytical Method: <b>TPH DRO by SW-846 8015</b>	Prep Method: <b>SW3510C</b>
Date Analyzed: Sep-30-09 08:34    Analyst: <b>ROR</b>	Date Prep: Sep-29-09 18:00    Tech: <b>LER</b>
Seq Number: <b>775626</b>	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020





**Blank Summary** **345939**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>539094-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539094-1-BLK</b>	

Analytical Method: <b>TPH DRO by SW-846 8015</b>	Prep Method: <b>SW3510C</b>
Date Analyzed: Oct-01-09 17:26     Analyst: <b>ROR</b>	Date Prep: Sep-30-09 09:00     Tech: <b>HEE</b>
Seq Number: <b>775632</b>	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



**Blank Summary** **345939**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>539097-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539097-1-BLK</b>	

<b>Analytical Method: TPH DRO by SW-846 8015</b>		Prep Method: SW3510C	
Date Analyzed: Oct-01-09 02:05	Analyst: ROR	Date Prep: Sep-30-09 09:00	Tech: HEA
Seq Number: 775635			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>539212-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539212-1-BLK</b>	

<b>Analytical Method:</b> TPH GRO by SW846 8015 Modified	Prep Method: SW5030B
Date Analyzed: Sep-29-09 19:15     Analyst: BRL	Date Prep: Sep-28-09 16:00     Tech: BRL
Seq Number: 774876	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539290-1-BLK Matrix: WATER
Lab Sample Id: 539290-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-01-09 17:01 Analyst: GEJ Date Prep: Oct-01-09 10:03 Tech: GEJ
Seq Number: 775263

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

Project: Groundwater & Environmental Services, Inc. Crofton, MD



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539290-1-BLK Matrix: WATER
Lab Sample Id: 539290-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-01-09 17:01 Analyst: GEJ Date Prep: Oct-01-09 10:03 Tech: GEJ
Seq Number: 775263

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>539326-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539326-1-BLK</b>	

<b>Analytical Method:</b> TPH GRO by SW846 8015 Modified	Prep Method: SW5030B
Date Analyzed: Oct-29-09 15:00	Analyst: BRL
Seq Number: 775286	Date Prep: Sep-29-09 09:00
	Tech: BRL

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1



**Blank Summary** **345939**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>539332-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539332-1-BLK</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>			Prep Method: SW5030B		
Date Analyzed: Sep-30-09 10:06	Analyst: BRL	Date Prep: Sep-30-09 08:00	Tech: BRL		
Seq Number: 775242					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.020

Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>539454-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539454-1-BLK</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	Prep Method: SW5030B
Date Analyzed: Oct-02-09 17:53	Analyst: ROL
Seq Number: 775595	Date Prep: Oct-02-09 15:47
	Tech: GEJ

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539454-1-BLK Matrix: WATER
Lab Sample Id: 539454-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-02-09 17:53 Analyst: ROL Date Prep: Oct-02-09 15:47 Tech: GEJ
Seq Number: 775595

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539555-1-BLK Matrix: WATER
Lab Sample Id: 539555-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-06-09 10:09 Analyst: GEJ Date Prep: Oct-05-09 10:20 Tech: GEJ
Seq Number: 775813

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

Project: Groundwater & Environmental Services, Inc. Crofton, MD



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539555-1-BLK Matrix: WATER
Lab Sample Id: 539555-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-06-09 10:09 Analyst: GEJ Date Prep: Oct-05-09 10:20 Tech: GEJ
Seq Number: 775813

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539694-1-BLK Matrix: WATER
Lab Sample Id: 539694-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-06-09 10:40 Analyst: MEZ Date Prep: Oct-06-09 08:52 Tech: GEJ
Seq Number: 775967

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

Project: Groundwater & Environmental Services, Inc. Crofton, MD



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539694-1-BLK Matrix: WATER
Lab Sample Id: 539694-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-06-09 10:40 Analyst: MEZ Date Prep: Oct-06-09 08:52 Tech: GEJ
Seq Number: 775967

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>539751-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>539751-1-BLK</b>	

<b>Analytical Method: VOAs by SW-846 8260B</b>	<b>Prep Method: SW5030B</b>
Date Analyzed: Oct-06-09 19:01	Analyst: ROL
	Date Prep: Oct-06-09 14:25
	Tech: GEJ
	Seq Number: 775964

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.243	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	2.00	0.306	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	5.00	1.23	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	2.00	0.359	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	5.00	1.09	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	4.00	0.823	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	4.00	0.859	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	2.00	0.298	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	2.00	0.434	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.235	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.199	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.193	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.194	ug/L	U	1
2-Butanone	78-93-3	U	20.0	4.80	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
2-Chlorotoluene	95-49-8	U	2.00	0.296	ug/L	U	1
2-Hexanone	591-78-6	U	15.0	3.61	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.223	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	40.0	10.0	ug/L	U	1
Acetone	67-64-1	U	15.0	3.74	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromobenzene	108-86-1	U	2.00	0.381	ug/L	U	1
Bromochloromethane	74-97-5	U	2.00	0.382	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Bromomethane	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Disulfide	75-15-0	U	8.00	1.91	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Chloromethane	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	2.00	0.362	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539751-1-BLK Matrix: WATER
Lab Sample Id: 539751-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-06-09 19:01 Analyst: ROL Date Prep: Oct-06-09 14:25 Tech: GEJ
Seq Number: 775964

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539847-1-BLK Matrix: WATER
Lab Sample Id: 539847-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-07-09 09:27 Analyst: MEZ Date Prep: Oct-07-09 07:17 Tech: MEZ
Seq Number: 776348

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

Project: Groundwater & Environmental Services, Inc. Crofton, MD





Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 539847-1-BLK Matrix: WATER
Lab Sample Id: 539847-1-BLK

Analytical Method: VOAs by SW-846 8260B Prep Method: SW5030B
Date Analyzed: Oct-07-09 09:27 Analyst: MEZ Date Prep: Oct-07-09 07:17 Tech: MEZ
Seq Number: 776348

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 345939**

**Project ID: 15541 New Hampshire**

**Lab Batch #: 774876**

**Sample: 539212-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/29/2009**

**Date Prepared: 09/28/2009**

**Analyst: BRL**

**Reporting Units: mg/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

TPH GRO by SW846 8015 Modified  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
TPH-GRO (Gasoline Range Organics)	<0.013	2.00	2.04	102	55-164	

**Lab Batch #: 775242**

**Sample: 539332-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/30/2009**

**Date Prepared: 09/30/2009**

**Analyst: BRL**

**Reporting Units: mg/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

TPH GRO by SW846 8015 Modified  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
TPH-GRO (Gasoline Range Organics)	<0.013	2.00	2.05	103	55-164	

**Lab Batch #: 775286**

**Sample: 539326-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/29/2009**

**Date Prepared: 09/29/2009**

**Analyst: BRL**

**Reporting Units: mg/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

TPH GRO by SW846 8015 Modified  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
TPH-GRO (Gasoline Range Organics)	<0.013	2.00	2.08	104	55-164	

**Lab Batch #: 775626**

**Sample: 539093-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/30/2009**

**Date Prepared: 09/29/2009**

**Analyst: ROR**

**Reporting Units: mg/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

TPH DRO by SW-846 8015  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
TPH-DRO (Diesel Range Organics)	<0.036	2.00	1.86	93	35-164	

**Lab Batch #: 775635**

**Sample: 539097-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/01/2009**

**Date Prepared: 09/30/2009**

**Analyst: ROR**

**Reporting Units: mg/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

TPH DRO by SW-846 8015  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
TPH-DRO (Diesel Range Organics)	<0.036	2.00	2.08	104	35-164	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 345939**

**Project ID: 15541 New Hampshire**

**Lab Batch #: 775263**

**Sample: 539290-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/01/2009**

**Date Prepared: 10/01/2009**

**Analyst: GEJ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	54.0	108	70-130	
Benzene	<0.211	50.0	52.0	104	70-130	
Chlorobenzene	<0.245	50.0	51.1	102	70-130	
Toluene	<0.247	50.0	51.7	103	70-130	
Trichloroethene	<0.305	50.0	52.9	106	70-130	

**Lab Batch #: 775595**

**Sample: 539454-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/02/2009**

**Date Prepared: 10/02/2009**

**Analyst: ROL**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	51.9	104	70-130	
Benzene	<0.211	50.0	50.2	100	70-130	
Chlorobenzene	<0.245	50.0	49.9	100	70-130	
Toluene	<0.247	50.0	50.1	100	70-130	
Trichloroethene	<0.305	50.0	51.1	102	70-130	

**Lab Batch #: 775813**

**Sample: 539555-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/06/2009**

**Date Prepared: 10/05/2009**

**Analyst: GEJ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	52.4	105	70-130	
Benzene	<0.211	50.0	49.2	98	70-130	
Chlorobenzene	<0.245	50.0	49.8	100	70-130	
Toluene	<0.247	50.0	50.6	101	70-130	
Trichloroethene	<0.305	50.0	47.8	96	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 345939**

**Project ID: 15541 New Hampshire**

**Lab Batch #: 775964**

**Sample: 539751-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/06/2009**

**Date Prepared: 10/06/2009**

**Analyst: ROL**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	49.5	99	70-130	
Benzene	<0.211	50.0	47.7	95	70-130	
Chlorobenzene	<0.245	50.0	49.1	98	70-130	
Toluene	<0.247	50.0	49.4	99	70-130	
Trichloroethene	<0.305	50.0	50.0	100	70-130	

**Lab Batch #: 775967**

**Sample: 539694-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/06/2009**

**Date Prepared: 10/06/2009**

**Analyst: MEZ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	52.7	105	70-130	
Benzene	<0.211	50.0	48.4	97	70-130	
Chlorobenzene	<0.245	50.0	49.0	98	70-130	
Toluene	<0.247	50.0	49.3	99	70-130	
Trichloroethene	<0.305	50.0	50.2	100	70-130	

**Lab Batch #: 776348**

**Sample: 539847-1-BKS**

**Matrix: Water**

**Date Analyzed: 10/07/2009**

**Date Prepared: 10/07/2009**

**Analyst: MEZ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<0.269	50.0	54.2	108	70-130	
Benzene	<0.211	50.0	49.3	99	70-130	
Chlorobenzene	<0.245	50.0	49.8	100	70-130	
Toluene	<0.247	50.0	50.2	100	70-130	
Trichloroethene	<0.305	50.0	50.4	101	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



# BS / BSD Recoveries



**Project Name: 15541 New Hampshire Ave**

**Work Order #: 345939**

**Analyst: ROR**

**Date Prepared: 09/30/2009**

**Project ID: 15541 New Hampshire**

**Date Analyzed: 10/01/2009**

**Lab Batch ID: 775632**

**Sample: 539094-1-BKS**

**Batch #: 1**

**Matrix: Water**

**Units: mg/L**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH DRO by SW-846 8015  Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<0.036	2.00	1.49	75	2	1.91	96	25	35-164	29	

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 345939

Project ID: 15541 New Hampshire

Lab Batch ID: 774876

QC- Sample ID: 345939-015 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/29/2009

Date Prepared: 09/28/2009

Analyst: BRL

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<0.100	2.00	1.81	91	2.00	1.89	95	4	55-164	20	

Lab Batch ID: 775242

QC- Sample ID: 345939-033 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/30/2009

Date Prepared: 09/30/2009

Analyst: BRL

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	0.074	2.00	2.16	104	2.00	2.10	101	3	55-164	20	

Lab Batch ID: 775286

QC- Sample ID: 345939-016 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/29/2009

Date Prepared: 09/29/2009

Analyst: BRL

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<0.100	2.00	2.01	101	2.00	1.99	100	1	55-164	20	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit



# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 345939

Project ID: 15541 New Hampshire

Lab Batch ID: 775626

QC- Sample ID: 346398-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/30/2009

Date Prepared: 09/29/2009

Analyst: ROR

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<0.800	2.00	1.93	97	2.00	1.67	84	14	35-164	29	

Lab Batch ID: 775635

QC- Sample ID: 346548-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/01/2009

Date Prepared: 09/30/2009

Analyst: ROR

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH DRO by SW-846 8015 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<0.800	2.00	2.06	103	2.00	2.01	101	2	35-164	29	

Lab Batch ID: 775263

QC- Sample ID: 345939-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/02/2009

Date Prepared: 10/01/2009

Analyst: GEJ

Reporting Units: ug/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	52.7	105	50.0	55.1	110	4	70-130	22	
Benzene	<1.00	50.0	52.4	105	50.0	53.1	106	1	70-130	21	
Chlorobenzene	<1.00	50.0	51.4	103	50.0	53.0	106	3	70-130	21	
Toluene	0.280	50.0	52.2	104	50.0	53.1	106	2	70-130	21	
Trichloroethene	<2.00	50.0	52.8	106	50.0	53.3	107	1	70-130	24	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit



# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 345939

Project ID: 15541 New Hampshire

Lab Batch ID: 775595

QC- Sample ID: 345939-011 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/03/2009

Date Prepared: 10/02/2009

Analyst: ROL

Reporting Units: ug/L

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	50.5	101	50.0	46.6	93	8	70-130	22	
Benzene	<1.00	50.0	48.5	97	50.0	45.1	90	7	70-130	21	
Chlorobenzene	<1.00	50.0	48.0	96	50.0	44.8	90	7	70-130	21	
Toluene	<1.00	50.0	48.0	96	50.0	44.6	89	7	70-130	21	
Trichloroethene	<2.00	50.0	48.8	98	50.0	45.8	92	6	70-130	24	

Lab Batch ID: 775813

QC- Sample ID: 346041-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/06/2009

Date Prepared: 10/05/2009

Analyst: GEJ

Reporting Units: ug/L

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	46.0	92	50.0	53.0	106	14	70-130	22	
Benzene	<1.00	50.0	44.8	90	50.0	50.5	101	12	70-130	21	
Chlorobenzene	11.6	50.0	56.0	89	50.0	63.0	103	12	70-130	21	
Toluene	0.310	50.0	45.3	90	50.0	50.9	101	12	70-130	21	
Trichloroethene	<2.00	50.0	41.9	84	50.0	48.2	96	14	70-130	24	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit





# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 345939

Project ID: 15541 New Hampshire

Lab Batch ID: 775964

QC- Sample ID: 347209-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/06/2009

Date Prepared: 10/06/2009

Analyst: ROL

Reporting Units: ug/L

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	55.6	111	50.0	51.8	104	7	70-130	22	
Benzene	<1.00	50.0	50.4	101	50.0	50.0	100	1	70-130	21	
Chlorobenzene	<1.00	50.0	50.4	101	50.0	50.2	100	0	70-130	21	
Toluene	<1.00	50.0	52.8	106	50.0	50.5	101	4	70-130	21	
Trichloroethene	<2.00	50.0	50.9	102	50.0	50.8	102	0	70-130	24	

Lab Batch ID: 775967

QC- Sample ID: 345939-030 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/06/2009

Date Prepared: 10/06/2009

Analyst: MEZ

Reporting Units: ug/L

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	53.3	107	50.0	51.2	102	4	70-130	22	
Benzene	<1.00	50.0	50.6	101	50.0	49.6	99	2	70-130	21	
Chlorobenzene	<1.00	50.0	51.5	103	50.0	50.4	101	2	70-130	21	
Toluene	<1.00	50.0	52.1	104	50.0	50.2	100	4	70-130	21	
Trichloroethene	<2.00	50.0	54.1	108	50.0	51.9	104	4	70-130	24	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit



# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 345939

Project ID: 15541 New Hampshire

Lab Batch ID: 776348

QC- Sample ID: 345939-026 S

Batch #: 1 Matrix: Water

Date Analyzed: 10/07/2009

Date Prepared: 10/07/2009

Analyst: MEZ

Reporting Units: ug/L

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<2.00	50.0	49.0	98	50.0	48.1	96	2	70-130	22	
Benzene	<1.00	50.0	48.0	96	50.0	47.6	95	1	70-130	21	
Chlorobenzene	<1.00	50.0	49.4	99	50.0	48.7	97	1	70-130	21	
Toluene	<1.00	50.0	48.8	98	50.0	47.8	96	2	70-130	21	
Trichloroethene	<2.00	50.0	47.7	95	50.0	47.9	96	0	70-130	24	

Matrix Spike Percent Recovery  $[D] = 100 * (C - A) / B$   
Relative Percent Difference  $RPD = 200 * (C - F) / (C + F)$

Matrix Spike Duplicate Percent Recovery  $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit

LAB (LOCATION)

XENCO ( )  
 CALSCIENCE ( )  
 TEST AMERICA ( )  
 SPL ( )  
 OTHER ( )



# Shell Oil Products Chain Of Custody Record

**Please Check Appropriate Box:**

ENV. SERVICES  
 MOTIVA RETAIL  
 CONSULTANT  
 SHELL PIPELINE  
 SHELL RETAIL  
 MOTIVA SDBACH  
 SHELL PIPING  
 OTHER \_\_\_\_\_

**Print Bill To Contact Name:**  
**A. Ashley Bell**  
 PO # \_\_\_\_\_  
 SAP # \_\_\_\_\_  
 DATE: **9/25/09**  
 PAGE: **1** of **4**

**INCIDENT # (ENV. SERVICES):**  
 9 7 4 3 6 9 7 7  
 1 3 7 6 7 5

**CONSULTANT COMPANY:**  
 Groundwater & Environmental Services, Inc.  
 ADDRESS: 2142 Priest Bridge Ct, Suite 1  
 CITY: Crofton, MD

**PHONE/FAX/EMAIL:**  
 TELEPHONE: 800-220-3606  
 FAX: 410-721-3733  
 EMAIL: labell@gesonline.com  
 PREICHAARDT@gesonline.com  
 TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (14 DAY)  5 DAYS  3 DAYS  2 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND

**DELIVERABLES:**  LEVEL 1  LEVEL 2  LEVEL 3  LEVEL 4  OTHER (SPECIFY) \_\_\_\_\_

**TEMPERATURE ON RECEIPT C°:** Cooler #1 \_\_\_\_\_ Cooler #2 \_\_\_\_\_ Cooler #3 \_\_\_\_\_

**SPECIAL INSTRUCTIONS OR NOTES:**  
 SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 PROVIDE LEDD DISK

**CONTACT INFO:**  
 gbaker@gesonline.com  
 kwarner@gesonline.com

FIELD SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (GW, DW, SOIL, AIR, Carbon)	HCL	H2O2	H2SO4	PRESERVATIVE			NO. OF CONT.
							INDIE	OTHER	OTHER	
MW-65	9/24/09	1840	GW	X						4
MW-12		1845	↓							
MW-18		1900	↓							
MW-135		1320	↓							
MW-130		1350	↓							
MW-145		1230	↓							
MW-140		1245	↓							
MW-155		1030	↓							
MW-150		1100	↓							
MW-165		1120	↓							

**RECEIVED BY (SIGNATURE):** *FG*  
**DATE:** 9/24/9  
**TIME:** 12:00

**RECEIVED BY (SIGNATURE):** \_\_\_\_\_  
**DATE:** \_\_\_\_\_  
**TIME:** \_\_\_\_\_

# Shell Oil Products Chain Of Custody Record



LAB (LOCATION)  
 VENCO (Sales) Noten  
 CALSCEANCE  
 TEST AMERICA  
 SPL  
 OTHER

Please Check Appropriate Box:  
 ENV. SERVICES  
 MOTIVA RETAIL  
 SHELL RETAIL  
 MOTIVA SOBACH  
 CONSULTANT  
 SHELL PIPELINE  
 OTHER

Print Bill To Contact Name:  
**A. Ashley Bell**  
 PO # \_\_\_\_\_  
 SAP # \_\_\_\_\_

INCIDENT # (ENVY SERVICES) \_\_\_\_\_  
 DATE: 9/27/19  
 PAGE: 2 of 4  
 CHECK IF NO INCIDENT # APPLIES

0402316-000037-870M01  
 15541 New Hampshire Avenue, Silver Spring, MD  
 CONSULTANT PROJECT CONTACT (Name):  
**Ashley Bell, Pete Reichardt, Gina Baker, Kenan Warner**  
 15541 New Hampshire Ave  
 LAB USE ONLY  
345939

Groundwater & Environmental Services, Inc.  
 2142 Priest Bridge Ct, Suite 1  
 Crofton, MD  
 TEL: 800-220-3606 FAX: 410-721-3733  
 EMAIL: abell@gesonline.com preichardt@gesonline.com  
 TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (14 DAY)  3 DAYS  5 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND  
 DELIVERABLES:  LEVEL 1  LEVEL 2  LEVEL 3  LEVEL 4  OTHER (SPECIFY) \_\_\_\_\_  
 TEMPERATURE ON RECEIPT C° Cooler #1 \_\_\_\_\_ Cooler #2 \_\_\_\_\_ Cooler #3 \_\_\_\_\_

**REQUESTED ANALYSIS**

LAB USE ONLY	SAMPLING		MATRIX (GW, DW, SOIL, AIR, Gas/soil)	PRESERVATIVE			No. of CONT.	Container PID Readings or Laboratory Notes
	DATE	TIME		HCL	HNO3	H2SO4		
MW-70	9/27/19	0935	GW	X			4	
MW-75		0930						
MW-11R		1115						
MW-11D		1120						
MW-11S		1125						
MW-5R		1025						
MW-5D		1030						
MW-5S		1035						
MW-6R		1220						
MW-6D		1215						

RECEIVED BY (SIGNATURE) \_\_\_\_\_ Date: \_\_\_\_\_  
 RECEIVED BY (SIGNATURE) \_\_\_\_\_ Date: \_\_\_\_\_  
 RECEIVED BY (SIGNATURE) \_\_\_\_\_ Date: \_\_\_\_\_



LAB (LOCATION) Boca Raton  
 XENCO ( )  
 CALSCEANCE ( )  
 TEST AMERICA ( )  
 SPL ( )  
 OTHER ( )



# Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:  
 ENV. SERVICES  
 MOTIVA RETAIL  
 MOTIVA SHOP  
 SHELL PIPELINE  
 SHELL RETAIL  
 CONSULTANT  
 OTHER

Print Bill To Contact Name: **A. Ashley Bell**  
 PO # \_\_\_\_\_  
 SAP # \_\_\_\_\_

CHECK IF NO INCIDENT # APPLIES  
 DATE: 9/23/09  
 PAGE: 4 of 4

INCIDENT # (ENV SERVICES)	9	7	4	3	6	9	7	7
---------------------------	---	---	---	---	---	---	---	---

CONSULTANT COMPANY  
**Groundwater & Environmental Services, Inc.**  
 2142 Priest Bridge Ct, Suite 1  
 Crofton, MD

CONSULTANT PROJECT NO.  
 0402316-000037-870M01

SITE ADDRESS (Street, City and State)  
 15541 New Hampshire Avenue, Silver Spring, MD

CONSULTANT PROJECT CONTACT (Report to)  
 Ashley Bell, Pete Reichardt, Gina Baker, Kenan Warner

SAMPLER NAME (Print)  
*Jeff Plummer*

15541 New Hampshire Ave  
 LAB USE ONLY  
 345939

TELEPHONE: 800-220-3606 FAX: 410-721-3733 EMAIL: abell@gesonline.com preichardt@gesonline.com

TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (14 DAY)  3 DAYS  5 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND

DELIVERABLES:  LEVEL 1  LEVEL 2  LEVEL 3  LEVEL 4  OTHER (SPECIFY) \_\_\_\_\_

TEMPERATURE ON RECEIPT C° Cooler #1 \_\_\_\_\_ Cooler #3 \_\_\_\_\_

**SPECIAL INSTRUCTIONS OR NOTES :**  
 SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 PROVIDE LEDD DISK

gbaker@gesonline.com  
 kwamer@gesonline.com

## REQUESTED ANALYSIS

LAB USE ONLY	FIELD SAMPLE IDENTIFICATION	SAMPLING		MATRIX (GW, DW, SOIL, AIR, Carbon)	PRESERVATIVE				NO. OF CONT.	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	HNO3	H2SO4	NONE		
	RW-3	9/23/09	1210	GW	X				4	
	RW-10	9/23/09	1220	GW	X				4	
	MW-160		1145							
	MW-175		0720							
	MW-170		1210							
	MW-17W		0945							

Requested by (Signature): *Jeff Plummer* Date: 9/23/09 Time: 1517

Received by (Signature): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by (Signature): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



Prelogin/Nonconformance Report- Sample Log-In

Client: GES-Crofton  
 Date/ Time: 9/24/09  
 Lab ID #: 345 939  
 Initials: FG

Sample Receipt Checklist

#1 Temperature of cooler?			4.0	°C
#2 Shipping container in good condition?	<input checked="" type="radio"/> YES	No	None	
#3 Samples received on ice?	<input checked="" type="radio"/> YES	No	N/A	Blue/Water
#4 Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	No	N/A	
#5 Custody Seals intact on sample bottles/ container?	Yes	No	<input checked="" type="radio"/> N/A	
#6 Chain of Custody present?	<input checked="" type="radio"/> YES	No		
#7 Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> YES	No		
#8 Any missing/extra samples?	Yes	<input checked="" type="radio"/> NO		
#9 Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> YES	No		
#10 Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> YES	No		
#11 Container label(s) legible and intact?	<input checked="" type="radio"/> YES	No		
#12 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> YES	No		
#13 Samples in proper container/ bottle?	<input checked="" type="radio"/> YES	No		
#14 Samples properly preserved?	<input checked="" type="radio"/> YES	No	N/A	
#15 Sample container(s) intact?	<input checked="" type="radio"/> YES	No		
#16 Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> YES	No		
#17 All samples received within sufficient hold time?	<input checked="" type="radio"/> YES	No		
#18 Subcontract of sample(s)?	Yes	<input checked="" type="radio"/> NO		
#19 VOC samples have zero headspace?	YES	No	<input checked="" type="radio"/> N/A	

Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that Apply:
- Client understands and would like to proceed with analysis
  - Cooling process had begun shortly after sampling event

# Analytical Report 344573

for

**Groundwater and Environmental Services, Inc.**

**Project Manager: Ashley Bell**

**15541 New Hampshire Ave**

**25-SEP-09**



**3231 NW 7th Avenue, Boca Raton, FL 33431**

**Ph:(561) 447-7373 Fax:(561) 447-7374**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)

Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)

New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)

Rhode Island (LAC000308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)

Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)





25-SEP-09

Project Manager: **Ashley Bell**  
**Groundwater and Environmental Services, Inc.**  
2142 Priest Bridge Ct., Suite 1  
Crofton, MD 21114

Reference: XENCO Report No: **344573**  
**15541 New Hampshire Ave**  
Project Address: Silver Spring, MD

**Ashley Bell:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 344573. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 344573 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Rossy Guima**  
Project Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.*

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



## Sample Cross Reference 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**

15541 New Hampshire Ave

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
621 Bryants Nursery	W	Sep-10-09 08:10		344573-001
640 Bryants Nursery	W	Sep-10-09 08:05		344573-002
700 Bryants Nursery	W	Sep-10-09 08:40		344573-003
651 Bryants Nursery	W	Sep-10-09 09:10		344573-004
660 Bryants Nursery	W	Sep-10-09 09:30		344573-005
670 Bryants Nursery	W	Sep-10-09 10:00		344573-006
661 Bryants Nursery	W	Sep-10-09 08:34		344573-007
600 Bryants Nursery	W	Sep-10-09 09:25		344573-008
610 Bryants Nursery	W	Sep-10-09 09:05		344573-009
611 Bryants Nursery	W	Sep-10-09 09:45		344573-010
711 Bryants Nursery	W	Sep-10-09 10:15		344573-011
710 Bryants Nursery	W	Sep-10-09 11:35		344573-012
721 Bryants Nursery	W	Sep-10-09 11:50		344573-013
720 Bryants Nursery	W	Sep-10-09 12:05		344573-014
731 Bryants Nursery	W	Sep-10-09 12:22		344573-015
730 Bryants Nursery	W	Sep-10-09 12:35		344573-016



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>621 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-001</b>	Date Collected: <b>Sep-10-09 08:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-16-09 19:53    Analyst: RMU    Date Prep: Sep-16-09 08:52    Tech: RMU	
Seq Number: 772934	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>	Prep Method: SW3510C
Date Analyzed: Sep-17-09 11:51    Analyst: ROR    Date Prep: Sep-17-09 06:30    Tech: HEE	
Seq Number: 773381	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>621 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-001</b>	Date Collected: <b>Sep-10-09 08:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 16:12    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>621 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-001</b>	Date Collected: <b>Sep-10-09 08:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 16:12     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>640 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-002</b>	Date Collected: <b>Sep-10-09 08:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>			Prep Method: SW5030B		
Date Analyzed: Sep-16-09 20:16	Analyst: RMU	Date Prep: Sep-16-09 08:54	Tech: RMU		
Seq Number: 772934					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>			Prep Method: SW3510C		
Date Analyzed: Sep-17-09 12:30	Analyst: ROR	Date Prep: Sep-17-09 06:30	Tech: HEE		
Seq Number: 773381					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>640 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-002</b>	Date Collected: <b>Sep-10-09 08:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 16:35     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>640 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-002</b>	Date Collected: <b>Sep-10-09 08:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 16:35     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>700 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-003</b>	Date Collected: <b>Sep-10-09 08:40</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-16-09 23:25    Analyst: RMU    Date Prep: Sep-16-09 09:10    Tech: RMU	
Seq Number: 772913	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>	Prep Method: SW3510C
Date Analyzed: Sep-17-09 13:08    Analyst: ROR    Date Prep: Sep-17-09 06:30    Tech: HEE	
Seq Number: 773381	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>700 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-003</b>	Date Collected: <b>Sep-10-09 08:40</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 16:58	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>700 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-003</b>	Date Collected: <b>Sep-10-09 08:40</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 16:58	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	2.06	0.500	0.200	ug/L		1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>651 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-004</b>	Date Collected: <b>Sep-10-09 09:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>			Prep Method: SW5030B		
Date Analyzed: Sep-17-09 00:59	Analyst: RMU	Date Prep: Sep-16-09 09:18	Tech: RMU		
Seq Number: 772913					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>			Prep Method: SW3510C		
Date Analyzed: Sep-17-09 13:47	Analyst: ROR	Date Prep: Sep-17-09 06:30	Tech: HEE		
Seq Number: 773381					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>651 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-004</b>	Date Collected: <b>Sep-10-09 09:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 17:21	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	0.280	0.500	0.200	ug/L	I	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>651 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-004</b>	Date Collected: <b>Sep-10-09 09:10</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 17:21     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>660 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-005</b>	Date Collected: <b>Sep-10-09 09:30</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-17-09 01:22     Analyst: RMU     Date Prep: Sep-16-09 09:20     Tech: RMU	
Seq Number: 772913	

<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>PQL</b>	<b>MDL</b>	<b>Units</b>	<b>Flag</b>	<b>Dil</b>
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>	Prep Method: SW3510C
Date Analyzed: Sep-17-09 14:25     Analyst: ROR     Date Prep: Sep-17-09 06:30     Tech: HEE	
Seq Number: 773381	

<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>PQL</b>	<b>MDL</b>	<b>Units</b>	<b>Flag</b>	<b>Dil</b>
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>660 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-005</b>	Date Collected: <b>Sep-10-09 09:30</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 17:44    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>PQL</b>	<b>MDL</b>	<b>Units</b>	<b>Flag</b>	<b>Dil</b>
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>660 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-005</b>	Date Collected: <b>Sep-10-09 09:30</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 17:44    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>670 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-006</b>	Date Collected: <b>Sep-10-09 10:00</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-17-09 01:46	Analyst: RMU	Date Prep: Sep-16-09 09:22		Tech: RMU			
	Seq Number: 772913						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 15:04	Analyst: ROR	Date Prep: Sep-17-09 06:30		Tech: HEE			
	Seq Number: 773381						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>670 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-006</b>	Date Collected: <b>Sep-10-09 10:00</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 18:07     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>670 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-006</b>	Date Collected: <b>Sep-10-09 10:00</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 18:07    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>661 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-007</b>	Date Collected: <b>Sep-10-09 08:34</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-17-09 02:10	Analyst: RMU	Date Prep: Sep-16-09 09:24		Tech: RMU			
	Seq Number: 772913						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 15:44	Analyst: ROR	Date Prep: Sep-17-09 06:30		Tech: HEE			
	Seq Number: 773381						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>661 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-007</b>	Date Collected: <b>Sep-10-09 08:34</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 18:30	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>661 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-007</b>	Date Collected: <b>Sep-10-09 08:34</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 18:30    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>600 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-008</b>	Date Collected: <b>Sep-10-09 09:25</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-17-09 02:33	Analyst: RMU	Date Prep: Sep-16-09 09:26		Tech: RMU			
	Seq Number: 772913						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 16:21	Analyst: ROR	Date Prep: Sep-17-09 06:30		Tech: HEE			
	Seq Number: 773381						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010





# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>600 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-008</b>	Date Collected: <b>Sep-10-09 09:25</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 18:53    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>600 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-008</b>	Date Collected: <b>Sep-10-09 09:25</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 18:53	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>610 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-009</b>	Date Collected: <b>Sep-10-09 09:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-17-09 02:57	Analyst: RMU	Date Prep: Sep-16-09 09:28		Tech: RMU			
	Seq Number: 772913						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 16:59	Analyst: ROR	Date Prep: Sep-17-09 06:30		Tech: HEE			
	Seq Number: 773381						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

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Version: 1.010



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>610 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-009</b>	Date Collected: <b>Sep-10-09 09:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 19:16    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>610 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-009</b>	Date Collected: <b>Sep-10-09 09:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 19:16     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>611 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-010</b>	Date Collected: <b>Sep-10-09 09:45</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-17-09 03:21    Analyst: RMU    Date Prep: Sep-16-09 09:30    Tech: RMU	
Seq Number: 772913	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>	Prep Method: SW3510C
Date Analyzed: Sep-17-09 20:39    Analyst: ROR    Date Prep: Sep-17-09 06:30    Tech: HEE	
Seq Number: 773381	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>611 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-010</b>	Date Collected: <b>Sep-10-09 09:45</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>		Prep Method: E524P	
Date Analyzed: Sep-17-09 19:39	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>611 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-010</b>	Date Collected: <b>Sep-10-09 09:45</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 19:39    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>711 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-011</b>	Date Collected: <b>Sep-10-09 10:15</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-17-09 03:44	Analyst: RMU	Date Prep: Sep-16-09 09:32		Tech: RMU			
	Seq Number: 772913						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 21:16	Analyst: ROR	Date Prep: Sep-17-09 06:30		Tech: HEE			
	Seq Number: 773381						

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010

**Groundwater and Environmental Services, Inc., Crofton, MD**

15541 New Hampshire Ave

Sample Id: <b>711 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-011</b>	Date Collected: <b>Sep-10-09 10:15</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 20:02     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>PQL</b>	<b>MDL</b>	<b>Units</b>	<b>Flag</b>	<b>Dil</b>
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>711 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-011</b>	Date Collected: <b>Sep-10-09 10:15</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 20:02     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	0.470	0.500	0.200	ug/L	I	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>710 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-012</b>	Date Collected: <b>Sep-10-09 11:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>	Prep Method: SW5030B
Date Analyzed: Sep-17-09 04:08    Analyst: RMU    Date Prep: Sep-16-09 09:34    Tech: RMU	
Seq Number: 772913	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>	Prep Method: SW3510C
Date Analyzed: Sep-17-09 21:55    Analyst: ROR    Date Prep: Sep-17-09 06:30    Tech: HEE	
Seq Number: 773381	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010

**Groundwater and Environmental Services, Inc., Crofton, MD**  
 15541 New Hampshire Ave

Sample Id: <b>710 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-012</b>	Date Collected: <b>Sep-10-09 11:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>			<b>Prep Method: E524P</b>		
Date Analyzed: Sep-17-09 20:25	Analyst: GEJ	Date Prep: Sep-17-09 12:33	Tech: GEJ		
Seq Number: 772962					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater &amp; Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
 15541 New Hampshire Ave

Sample Id: <b>710 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-012</b>	Date Collected: <b>Sep-10-09 11:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 20:25    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	3.26	0.500	0.200	ug/L		1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>721 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-013</b>	Date Collected: <b>Sep-10-09 11:50</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>			Prep Method: SW5030B		
Date Analyzed: Sep-23-09 03:56	Analyst: RMU	Date Prep: Sep-22-09 11:24	Tech: RMU		
Seq Number: 774082					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>			Prep Method: SW3510C		
Date Analyzed: Sep-17-09 22:33	Analyst: ROR	Date Prep: Sep-17-09 06:30	Tech: HEE		
Seq Number: 773381					

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

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Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Table with 3 columns: Sample Info, Matrix, and Moisture. Row 1: Sample Id: 721 Bryants Nursery, Matrix: WATER, % Moisture: Lab Sample Id: 344573-013, Date Collected: Sep-10-09 11:50, Date Received: Sep-14-09 11:00

Table with 2 columns: Analytical Method and Prep Method. Row 1: Analytical Method: Volatile Organic Compounds by EPA 524.2, Prep Method: E524P. Row 2: Date Analyzed: Sep-17-09 20:48, Analyst: GEJ, Date Prep: Sep-17-09 12:33, Tech: GEJ, Seq Number: 772962

Main data table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds like Benzene, Chloroform, etc., with their respective values and flags.

Project: Groundwater & Environmental Services, Inc. Crofton, MD





# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>721 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-013</b>	Date Collected: <b>Sep-10-09 11:50</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 20:48    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	U	0.500	0.200	ug/L	U	1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

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**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>720 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-014</b>	Date Collected: <b>Sep-10-09 12:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>		Prep Method: SW5030B	
Date Analyzed: Sep-23-09 05:31	Analyst: RMU	Date Prep: Sep-22-09 11:32	Tech: RMU
Seq Number: 774082			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>		Prep Method: SW3510C	
Date Analyzed: Sep-17-09 23:11	Analyst: ROR	Date Prep: Sep-17-09 06:30	Tech: HEE
Seq Number: 773381			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

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Version: 1.010



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Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>720 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-014</b>	Date Collected: <b>Sep-10-09 12:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:11    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

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# Certificate of Analytical Results 344573



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>720 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-014</b>	Date Collected: <b>Sep-10-09 12:05</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:11     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	0.560	0.500	0.200	ug/L		1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>731 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-015</b>	Date Collected: <b>Sep-10-09 12:22</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-23-09 05:54		Analyst: RMU		Date Prep: Sep-22-09 11:34		Tech: RMU	
Seq Number: 774082							

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-17-09 23:50		Analyst: ROR		Date Prep: Sep-17-09 06:30		Tech: HEE	
Seq Number: 773381							

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

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## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>731 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-015</b>	Date Collected: <b>Sep-10-09 12:22</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:33    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	0.270	0.500	0.200	ug/L	I	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>731 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-015</b>	Date Collected: <b>Sep-10-09 12:22</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:33    Analyst: GEJ	Date Prep: Sep-17-09 12:33    Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	1.26	0.500	0.200	ug/L		1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



**Certificate of Analytical Results 344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>730 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-016</b>	Date Collected: <b>Sep-10-09 12:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: TPH GRO by SW846 8015 Modified</b>				Prep Method: SW5030B			
Date Analyzed: Sep-23-09 06:18		Analyst: RMU		Date Prep: Sep-22-09 11:36		Tech: RMU	
Seq Number: 774082							

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>				Prep Method: SW3510C			
Date Analyzed: Sep-18-09 00:28		Analyst: ROR		Date Prep: Sep-17-09 06:30		Tech: HEE	
Seq Number: 773381							

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010





# Certificate of Analytical Results 344573



## Groundwater and Environmental Services, Inc., Crofton, MD

15541 New Hampshire Ave

Sample Id: <b>730 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-016</b>	Date Collected: <b>Sep-10-09 12:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:56     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Certificate of Analytical Results 344573



**Groundwater and Environmental Services, Inc., Crofton, MD**  
 15541 New Hampshire Ave

Sample Id: <b>730 Bryants Nursery</b>	Matrix: <b>WATER</b>	% Moisture:
Lab Sample Id: <b>344573-016</b>	Date Collected: <b>Sep-10-09 12:35</b>	
	Date Received: <b>Sep-14-09 11:00</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 21:56     Analyst: GEJ	Date Prep: Sep-17-09 12:33     Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
isopropylbenzene	98-82-8	U	0.500	0.200	ug/L	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	U	0.500	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.400	ug/L	U	1
MTBE	1634-04-4	1.96	0.500	0.200	ug/L		1
Naphthalene	91-20-3	U	0.500	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	0.500	0.200	ug/L	U	1
Styrene	100-42-5	U	0.500	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.500	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	0.500	0.200	ug/L	U	1
Toluene	108-88-3	U	0.500	0.200	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.500	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.500	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.200	ug/L	U	1
Trichloroethylene	79-01-6	U	0.500	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	0.500	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.200	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.200	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.200	ug/L	U	1
m,p-Xylene	179601-23-1	U	0.500	0.400	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	U	0.500	0.400	ug/L	U	1
Di Isopropyl Ether *	108-20-3	U	4.00	1.00	ug/L	U	1
Ethanol +	64-17-5	U	100	25.0	ug/L	U	1
Ethyl tert butyl Ether *	637-92-3	U	8.00	2.00	ug/L	U	1
tert-Amyl methyl Ether *	994-05-8	U	8.00	2.00	ug/L	U	1
tert-butyl alcohol +	75-65-0	U	25.0	15.0	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



# Flagging Criteria

## FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .
  - J1: No known quality control criteria exist for the component;
  - J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);
  - J3: The sample matrix interfered with the ability to make any accurate determination;
  - J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).
  - J5: The field calibration verification did not meet calibration acceptance criteria.
  - J6: QC protocol not followed.

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(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



# Flagging Criteria

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
  1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
  2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
  1. The component has been tentatively identified based on mass spectral library search; or
  2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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# Flagging Criteria

- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present (TNTC); the numeric value represents the filtration volume.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- \* Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.

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# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 748291

Sample: ICB-BLK / ICB

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 01/23/09 19:30

SURROGATE RECOVERY STUDY					
TPH GRO by EPA 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 771180

Sample: ICB-01 / ICB

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/04/09 14:28

SURROGATE RECOVERY STUDY					
TPH GRO by EPA 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0327	0.0300	109	80-120	
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 772913

Sample: 538071-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 21:50

SURROGATE RECOVERY STUDY					
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 538071-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 22:14

SURROGATE RECOVERY STUDY					
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 538071-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 23:01

SURROGATE RECOVERY STUDY					
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

**Project Name: 15541 New Hampshire Ave**

**Work Orders :** 344573,

**Project ID:** GROWEMD

**Lab Batch #:** 772913

**Sample:** 344573-003 / SMP

**Batch:** 1 **Matrix:** Water

Units: mg/L	Date Analyzed: 09/16/09 23:25	SURROGATE RECOVERY STUDY			
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

**Lab Batch #:** 772913

**Sample:** 344573-003 S / MS

**Batch:** 1 **Matrix:** Water

Units: mg/L	Date Analyzed: 09/16/09 23:48	SURROGATE RECOVERY STUDY			
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

**Lab Batch #:** 772913

**Sample:** 344573-003 SD / MSD

**Batch:** 1 **Matrix:** Water

Units: mg/L	Date Analyzed: 09/17/09 00:12	SURROGATE RECOVERY STUDY			
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

**Lab Batch #:** 772913

**Sample:** 344573-004 / SMP

**Batch:** 1 **Matrix:** Water

Units: mg/L	Date Analyzed: 09/17/09 00:59	SURROGATE RECOVERY STUDY			
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

**Lab Batch #:** 772913

**Sample:** 344573-005 / SMP

**Batch:** 1 **Matrix:** Water

Units: mg/L	Date Analyzed: 09/17/09 01:22	SURROGATE RECOVERY STUDY			
TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

\* Surrogate outside of Laboratory QC limits  
 \*\* Surrogates outside limits; data and surrogates confirmed by reanalysis  
 \*\*\* Poor recoveries due to dilution  
 Surrogate Recovery [D] = 100 \* A / B  
 All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772913

Sample: 344573-006 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 01:46					
TPH GRO by SW846 8015 Modified		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 344573-007 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 02:10					
TPH GRO by SW846 8015 Modified		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 344573-008 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 02:33					
TPH GRO by SW846 8015 Modified		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 344573-009 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 02:57					
TPH GRO by SW846 8015 Modified		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 344573-010 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 03:21					
TPH GRO by SW846 8015 Modified		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772913

Sample: 344573-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 03:44

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 772913

Sample: 344573-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 04:08

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 772934

Sample: 538080-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 08:52

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	
1,4-Difluorobenzene	0.0306	0.0300	102	70-130	

Lab Batch #: 772934

Sample: 538080-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 09:15

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0308	0.0300	103	70-130	
1,4-Difluorobenzene	0.0301	0.0300	100	70-130	

Lab Batch #: 772934

Sample: 538080-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/16/09 10:03

## SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772934

Sample: 343842-010 S / MS

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/16/09 10:50	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
4-Bromofluorobenzene		0.0305	0.0300	102	70-130	
1,4-Difluorobenzene		0.0290	0.0300	97	70-130	

Lab Batch #: 772934

Sample: 343842-010 SD / MSD

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/16/09 11:14	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
4-Bromofluorobenzene		0.0301	0.0300	100	70-130	
1,4-Difluorobenzene		0.0293	0.0300	98	70-130	

Lab Batch #: 772934

Sample: 344573-001 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/16/09 19:53	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 772934

Sample: 344573-002 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/16/09 20:16	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 538763-1-BKS / BKS

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 02:21	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 774082

Sample: 538763-1-BSD / BSD

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 02:45	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 538763-1-BLK / BLK

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 03:32	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 344573-013 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 03:56	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 344573-013 S / MS

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 04:20	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 344573-013 SD / MSD

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/23/09 04:43	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH GRO by SW846 8015 Modified						
Analytes						
a,a,a-Trifluorotoluene		0.030	0.030	100	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 774082

Sample: 344573-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/23/09 05:31

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 344573-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/23/09 05:54

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 774082

Sample: 344573-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/23/09 06:18

### SURROGATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.030	0.030	100	70-130	

Lab Batch #: 773381

Sample: 537904-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 09:50

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.164	0.200	82	35-164	

Lab Batch #: 773381

Sample: 537904-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 10:28

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.181	0.200	91	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 773381

Sample: 537904-1-BSD / BSD

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 11:13	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
<b>TPH-Diesel Range Organics by SW-846 8015B</b>						
<b>Analytes</b>						
o-Terphenyl		0.162	0.200	81	35-164	

Lab Batch #: 773381

Sample: 344573-001 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 11:51	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
<b>TPH-Diesel Range Organics by SW-846 8015B</b>						
<b>Analytes</b>						
o-Terphenyl		0.163	0.200	82	35-164	

Lab Batch #: 773381

Sample: 344573-002 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 12:30	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
<b>TPH-Diesel Range Organics by SW-846 8015B</b>						
<b>Analytes</b>						
o-Terphenyl		0.143	0.200	72	35-164	

Lab Batch #: 773381

Sample: 344573-003 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 13:08	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
<b>TPH-Diesel Range Organics by SW-846 8015B</b>						
<b>Analytes</b>						
o-Terphenyl		0.172	0.200	86	35-164	

Lab Batch #: 773381

Sample: 344573-004 / SMP

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: mg/L	Date Analyzed: 09/17/09 13:47	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
<b>TPH-Diesel Range Organics by SW-846 8015B</b>						
<b>Analytes</b>						
o-Terphenyl		0.151	0.200	76	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 773381

Sample: 344573-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 14:25

## SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.168	0.200	84	35-164	

Lab Batch #: 773381

Sample: 344573-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 15:04

## SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.163	0.200	82	35-164	

Lab Batch #: 773381

Sample: 344573-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 15:44

## SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.173	0.200	87	35-164	

Lab Batch #: 773381

Sample: 344573-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 16:21

## SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.146	0.200	73	35-164	

Lab Batch #: 773381

Sample: 344573-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 16:59

## SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.133	0.200	67	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 773381

Sample: 344573-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 20:39

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.177	0.200	89	35-164	

Lab Batch #: 773381

Sample: 344573-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 21:16

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.155	0.200	78	35-164	

Lab Batch #: 773381

Sample: 344573-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 21:55

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.203	0.200	102	35-164	

Lab Batch #: 773381

Sample: 344573-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 22:33

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.159	0.200	80	35-164	

Lab Batch #: 773381

Sample: 344573-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 23:11

### SURROGATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.138	0.200	69	35-164	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 773381

Sample: 344573-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/17/09 23:50

SURROGATE RECOVERY STUDY					
TPH-Diesel Range Organics by SW-846 8015B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.168	0.200	84	35-164	

Lab Batch #: 773381

Sample: 344573-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 09/18/09 00:28

SURROGATE RECOVERY STUDY					
TPH-Diesel Range Organics by SW-846 8015B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	0.161	0.200	81	35-164	

Lab Batch #: 772962

Sample: 538012-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 14:38

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds by EPA 524.2  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	25.86	30.00	86	70-130	
1,2-Dichlorobenzene-D4	0.026	0.025	102	70-130	

Lab Batch #: 772962

Sample: 538012-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 15:49

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds by EPA 524.2  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.71	30.00	79	70-130	
1,2-Dichlorobenzene-D4	0.023	0.030	77	70-130	

Lab Batch #: 772962

Sample: 344573-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 16:12

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds by EPA 524.2  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.59	30.00	79	70-130	
1,2-Dichlorobenzene-D4	23	30	77	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.





# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772962

Sample: 344573-002 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 16:35

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.67	30.00	79	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-003 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 16:58

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.53	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	76	70-130	

Lab Batch #: 772962

Sample: 344573-004 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 17:21

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.61	30.00	79	70-130	
1,2-Dichlorobenzene-D4	24	30	79	70-130	

Lab Batch #: 772962

Sample: 344573-005 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 17:44

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.42	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	77	70-130	

Lab Batch #: 772962

Sample: 344573-006 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 18:07

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.79	30.00	79	70-130	
1,2-Dichlorobenzene-D4	24	30	79	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772962

Sample: 344573-007 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 18:30

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.53	30.00	78	70-130	
1,2-Dichlorobenzene-D4	24	30	79	70-130	

Lab Batch #: 772962

Sample: 344573-008 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 18:53

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.62	30.00	79	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-009 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 19:16

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.70	30.00	79	70-130	
1,2-Dichlorobenzene-D4	24	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-010 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 19:39

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.29	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	77	70-130	

Lab Batch #: 772962

Sample: 344573-011 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 20:02

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.45	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	77	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 772962

Sample: 344573-012 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 20:25

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.60	30.00	79	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-013 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 20:48

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.52	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-014 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 21:11

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.12	30.00	77	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

Lab Batch #: 772962

Sample: 344573-015 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 21:33

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.34	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	77	70-130	

Lab Batch #: 772962

Sample: 344573-016 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 09/17/09 21:56

## SURROGATE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	23.30	30.00	78	70-130	
1,2-Dichlorobenzene-D4	23	30	78	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: 15541 New Hampshire Ave

Work Orders : 344573,

Project ID: GROWEMD

Lab Batch #: 773239

Sample: 538016-1-BKS / BKS

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: ug/L	Date Analyzed: 09/18/09 14:41	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Volatile Organic Compounds by EPA 524.2						
Analytes						
4-Bromofluorobenzene		25.85	30.00	86	70-130	
1,2-Dichlorobenzene-D4		0.024	0.025	98	70-130	

Lab Batch #: 773239

Sample: 538016-1-BLK / BLK

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: ug/L	Date Analyzed: 09/18/09 15:58	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Volatile Organic Compounds by EPA 524.2						
Analytes						
4-Bromofluorobenzene		23.28	30.00	78	70-130	
1,2-Dichlorobenzene-D4		0.022	0.030	74	70-130	

Lab Batch #: 773239

Sample: 344573-013 / DL

Batch: 1 Matrix: Water

SURROGATE RECOVERY STUDY						
Units: ug/L	Date Analyzed: 09/18/09 20:34	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Volatile Organic Compounds by EPA 524.2						
Analytes						
4-Bromofluorobenzene		21.77	30.00	73	70-130	
1,2-Dichlorobenzene-D4		22	30	74	70-130	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes.



**Blank Summary** **344573**



**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>537904-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>537904-1-BLK</b>	

<b>Analytical Method: TPH-Diesel Range Organics by SW-846 8015B</b>		Prep Method: SW3510C	
Date Analyzed: Sep-17-09 09:50	Analyst: ROR	Date Prep: Sep-17-09 06:30	Tech: HEE
Seq Number: 773381			

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	68334-30-5	U	0.800	0.036	mg/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD

Version: 1.010

**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>538012-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>538012-1-BLK</b>	

<b>Analytical Method: Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-17-09 15:49	Analyst: GEJ
Date Prep: Sep-17-09 12:33	Tech: GEJ
Seq Number: 772962	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acetone	67-64-1	U	0.500	2.00	ug/L	U	1
Acrylonitrile	107-13-1	U	0.500	1.00	ug/L	U	1
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
Total Trihalomethanes		U	0.500	0.200	ug/L	U	1
Methyl ethyl ketone	78-93-3	U	0.500	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethyl Methacrylate	97-63-2	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD



Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 538012-1-BLK Matrix: WATER
Lab Sample Id: 538012-1-BLK

Analytical Method: Volatile Organic Compounds by EPA 524.2 Prep Method: E524P
Date Analyzed: Sep-17-09 15:49 Analyst: GEJ Date Prep: Sep-17-09 12:33 Tech: GEJ
Seq Number: 772962

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Rows include various chemical compounds like Ethylbenzene, Hexachlorobutadiene, etc.

Project: Groundwater & Environmental Services, Inc. Crofton, MD

**Groundwater and Environmental Services, Inc., Crofton, MD**  
15541 New Hampshire Ave

Sample Id: <b>538016-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>538016-1-BLK</b>	

Analytical Method: <b>Volatile Organic Compounds by EPA 524.2</b>	Prep Method: E524P
Date Analyzed: Sep-18-09 15:58     Analyst: GEJ	Date Prep: Sep-17-09 13:27     Tech: GEJ
Seq Number: 773239	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acetone	67-64-1	U	0.500	2.00	ug/L	U	1
Acrylonitrile	107-13-1	U	0.500	1.00	ug/L	U	1
Benzene	71-43-2	U	0.500	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.200	ug/L	U	1
Bromoform	75-25-2	U	0.500	0.200	ug/L	U	1
Methyl bromide	74-83-9	U	0.500	0.200	ug/L	U	1
Total Trihalomethanes		U	0.500	0.200	ug/L	U	1
Methyl ethyl ketone	78-93-3	U	0.500	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	0.500	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	0.500	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	0.500	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	0.500	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.200	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.200	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	0.500	0.200	ug/L	U	1
Methyl Chloride	74-87-3	U	0.500	0.200	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.500	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	0.500	0.200	ug/L	U	1
1,2-Dibromoethane	106-93-4	U	0.500	0.200	ug/L	U	1
Methylene bromide	74-95-3	U	0.500	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.200	ug/L	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.500	0.200	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.500	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.500	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.500	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.500	0.200	ug/L	U	1
Ethyl Methacrylate	97-63-2	U	0.500	0.200	ug/L	U	1

Project: Groundwater & Environmental Services, Inc. Crofton, MD





Groundwater and Environmental Services, Inc., Crofton, MD
15541 New Hampshire Ave

Sample Id: 538016-1-BLK Matrix: WATER
Lab Sample Id: 538016-1-BLK

Analytical Method: Volatile Organic Compounds by EPA 524.2 Prep Method: E524P
Date Analyzed: Sep-18-09 15:58 Analyst: GEJ Date Prep: Sep-17-09 13:27 Tech: GEJ
Seq Number: 773239

Table with 8 columns: Parameter, Cas Number, Result, PQL, MDL, Units, Flag, Dil. Lists various chemical compounds and their detection results.



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>538071-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>538071-1-BLK</b>	

<b>Analytical Method:</b> TPH GRO by SW846 8015 Modified	Prep Method: SW5030B
Date Analyzed: Sep-16-09 23:01     Analyst: RMU	Date Prep: Sep-16-09 09:08     Tech: RMU
Seq Number: 772913	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>538080-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>538080-1-BLK</b>	

<b>Analytical Method:</b> TPH GRO by SW846 8015 Modified	Prep Method: SW5030B
Date Analyzed: Sep-16-09 10:03     Analyst: RMU	Date Prep: Sep-16-09 08:02     Tech: RMU
Seq Number: 772934	

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1



Groundwater and Environmental Services, Inc., Crofton, MD  
15541 New Hampshire Ave

Sample Id: <b>538763-1-BLK</b>	Matrix: <b>WATER</b>
Lab Sample Id: <b>538763-1-BLK</b>	

<b>Analytical Method:</b> TPH GRO by SW846 8015 Modified	Prep Method: SW5030B
Date Analyzed: Sep-23-09 03:32	Analyst: RMU
Seq Number: 774082	Date Prep: Sep-22-09 11:22
	Tech: RMU

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	8006-61-9	U	0.100	0.013	mg/L	U	1

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 344573**

**Project ID:**

**GROWEMD**

**Lab Batch #: 772962**

**Sample: 538012-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/17/2009**

**Date Prepared: 09/17/2009**

**Analyst: GEJ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

Volatile Organic Compounds by EPA 524.2  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	25.0	23.1	92	70-130	
Benzene	<0.200	5.00	5.02	100	70-130	
Bromobenzene	<0.200	5.00	4.75	95	70-130	
Bromochloromethane	<0.200	5.00	4.88	98	70-130	
Bromodichloromethane	<0.200	5.00	4.94	99	70-130	
Bromoform	<0.200	5.00	4.83	97	70-130	
Methyl bromide	<0.200	5.00	5.90	118	70-130	
Methyl ethyl ketone	<1.00	25.0	24.1	96	70-130	
tert-Butylbenzene	<0.200	5.00	3.73	75	70-130	
Sec-Butylbenzene	<0.200	5.00	3.93	79	70-130	
n-Butylbenzene	<0.200	5.00	3.67	73	70-130	
Carbon Disulfide	<0.200	5.00	4.91	98	70-130	
Carbon Tetrachloride	<0.200	5.00	4.77	95	70-130	
Chlorobenzene	<0.200	5.00	4.84	97	70-130	
Chloroethane	<0.200	5.00	4.10	82	70-130	
Chloroform	<0.200	5.00	5.16	103	70-130	
Methyl Chloride	<0.200	5.00	4.86	97	70-130	
2-Chlorotoluene	<0.200	5.00	4.88	98	70-130	
4-Chlorotoluene	<0.200	5.00	5.04	101	70-130	
1,2-Dibromo-3-Chloropropane	<0.200	5.00	4.78	96	70-130	
Dibromochloromethane	<0.200	5.00	4.92	98	70-130	
1,2-Dibromoethane	<0.200	5.00	4.80	96	70-130	
Methylene bromide	<0.200	5.00	5.00	100	70-130	
1,2-Dichlorobenzene	<0.200	5.00	4.81	96	70-130	
1,3-Dichlorobenzene	<0.200	5.00	4.98	100	70-130	
1,4-Dichlorobenzene	<0.200	5.00	4.83	97	70-130	
Dichlorodifluoromethane	<0.200	5.00	4.14	83	70-130	
1,1-Dichloroethane	<0.200	5.00	5.13	103	70-130	
1,2-Dichloroethane	<0.200	5.00	5.19	104	70-130	
cis-1,2-Dichloroethylene	<0.200	5.00	5.02	100	70-130	
trans-1,2-dichloroethylene	<0.200	5.00	5.28	106	70-130	
1,1-Dichloroethene	<0.200	5.00	4.50	90	70-130	
1,2-Dichloropropane	<0.200	5.00	5.00	100	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 344573**

**Project ID:**

**GROWEMD**

**Lab Batch #: 772962**

**Sample: 538012-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/17/2009**

**Date Prepared: 09/17/2009**

**Analyst: GEJ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

Volatile Organic Compounds by EPA 524.2  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,3-Dichloropropane	<0.200	5.00	4.83	97	70-130	
2,2-Dichloropropane	<0.200	5.00	5.48	110	70-130	
1,1-Dichloropropene	<0.200	5.00	4.44	89	70-130	
cis-1,3-Dichloropropene	<0.200	5.00	4.91	98	70-130	
trans-1,3-dichloropropene	<0.200	5.00	5.23	105	70-130	
Ethylbenzene	<0.200	5.00	4.12	82	70-130	
Hexachlorobutadiene	<0.200	5.00	5.29	106	70-130	
2-Hexanone	<1.00	25.0	20.3	81	70-130	
isopropylbenzene	<0.200	5.00	3.84	77	70-130	
p-Cymene (p-Isopropyltoluene)	<0.200	5.00	3.66	73	70-130	
Methylene Chloride	<0.400	5.00	3.85	77	70-130	
MTBE	<0.200	10.0	10.1	101	70-130	
Naphthalene	<0.200	5.00	3.92	78	70-130	
n-Propylbenzene	<0.200	5.00	5.11	102	70-130	
Styrene	<0.200	5.00	4.03	81	70-130	
1,1,1,2-Tetrachloroethane	<0.200	5.00	5.14	103	70-130	
1,1,2,2-Tetrachloroethane	<0.200	5.00	4.90	98	70-130	
Tetrachloroethylene	<0.200	5.00	5.18	104	70-130	
Toluene	<0.200	5.00	4.71	94	70-130	
1,2,3-Trichlorobenzene	<0.200	5.00	4.42	88	70-130	
1,2,4-Trichlorobenzene	<0.200	5.00	4.63	93	70-130	
1,1,1-Trichloroethane	<0.200	5.00	5.65	113	70-130	
1,1,2-Trichloroethane	<0.200	5.00	5.02	100	70-130	
Trichloroethylene	<0.200	5.00	5.05	101	70-130	
Trichlorofluoromethane	<0.200	5.00	5.05	101	70-130	
1,2,3-Trichloropropane	<0.200	5.00	5.23	105	70-130	
1,2,4-Trimethylbenzene	<0.200	5.00	3.93	79	70-130	
1,3,5-Trimethylbenzene	<0.200	5.00	4.01	80	70-130	
Vinyl Acetate	<1.00	5.00	5.14	103	70-130	
Vinyl Chloride	<0.200	5.00	5.79	116	70-130	
o-Xylene	<0.200	5.00	3.90	78	70-130	
m,p-Xylene	<0.400	10.0	8.30	83	70-130	
Di Isopropyl Ether	<1.00	5.00	4.66	93	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

# Blank Spike Recovery

**Project Name: 15541 New Hampshire Ave**

**Work Order #:** 344573

**Project ID:**

GROWEMD

**Lab Batch #:** 772962

**Sample:** 538012-1-BKS

**Matrix:** Water

**Date Analyzed:** 09/17/2009

**Date Prepared:** 09/17/2009

**Analyst:** GEJ

**Reporting Units:** ug/L

**Batch #:** 1

**BLANK /BLANK SPIKE RECOVERY STUDY**

Volatile Organic Compounds by EPA 524.2  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Ethanol	<25.0	5.00	<100	0	70-130	J2
Ethyl tert butyl Ether	<2.00	5.00	5.46	109	70-130	
tert-Amyl methyl Ether	<2.00	5.00	5.32	106	70-130	
tert-butyl alcohol	<15.0	125	129	103	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

**Project Name: 15541 New Hampshire Ave**

**Work Order #: 344573**

**Project ID:**

**GROWEMD**

**Lab Batch #: 773239**

**Sample: 538016-1-BKS**

**Matrix: Water**

**Date Analyzed: 09/18/2009**

**Date Prepared: 09/17/2009**

**Analyst: GEJ**

**Reporting Units: ug/L**

**Batch #: 1**

**BLANK /BLANK SPIKE RECOVERY STUDY**

Volatile Organic Compounds by EPA 524.2  Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	25.0	22.1	88	70-130	
Benzene	<0.200	5.00	4.79	96	70-130	
Bromobenzene	<0.200	5.00	4.61	92	70-130	
Bromochloromethane	<0.200	5.00	5.04	101	70-130	
Bromodichloromethane	<0.200	5.00	4.72	94	70-130	
Bromoform	<0.200	5.00	4.47	89	70-130	
Methyl bromide	<0.200	5.00	4.38	88	70-130	
tert-Butylbenzene	<0.200	5.00	4.33	87	70-130	
Sec-Butylbenzene	<0.200	5.00	4.30	86	70-130	
n-Butylbenzene	<0.200	5.00	4.21	84	70-130	
Carbon Disulfide	<0.200	5.00	4.78	96	70-130	
Carbon Tetrachloride	<0.200	5.00	4.53	91	70-130	
Chlorobenzene	<0.200	5.00	4.81	96	70-130	
Chloroethane	<0.200	5.00	4.40	88	70-130	
Chloroform	<0.200	5.00	4.70	94	70-130	
Methyl Chloride	<0.200	5.00	4.18	84	70-130	
2-Chlorotoluene	<0.200	5.00	4.51	90	70-130	
4-Chlorotoluene	<0.200	5.00	4.57	91	70-130	
1,2-Dibromo-3-Chloropropane	<0.200	5.00	4.84	97	70-130	
Dibromochloromethane	<0.200	5.00	4.88	98	70-130	
1,2-Dibromoethane	<0.200	5.00	4.91	98	70-130	
Methylene bromide	<0.200	5.00	4.94	99	70-130	
1,2-Dichlorobenzene	<0.200	5.00	4.63	93	70-130	
1,3-Dichlorobenzene	<0.200	5.00	4.58	92	70-130	
1,4-Dichlorobenzene	<0.200	5.00	4.56	91	70-130	
Dichlorodifluoromethane	<0.200	5.00	4.21	84	70-130	
1,1-Dichloroethane	<0.200	5.00	4.92	98	70-130	
1,2-Dichloroethane	<0.200	5.00	4.94	99	70-130	
cis-1,2-Dichloroethylene	<0.200	5.00	5.25	105	70-130	
trans-1,2-dichloroethylene	<0.200	5.00	5.09	102	70-130	
1,1-Dichloroethene	<0.200	5.00	5.15	103	70-130	
1,2-Dichloropropane	<0.200	5.00	4.97	99	70-130	
1,3-Dichloropropane	<0.200	5.00	5.07	101	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit





# Blank Spike Recovery



Project Name: 15541 New Hampshire Ave

Work Order #: 344573

Project ID:

GROWEMD

Lab Batch #: 773239

Sample: 538016-1-BKS

Matrix: Water

Date Analyzed: 09/18/2009

Date Prepared: 09/17/2009

Analyst: GEJ

Reporting Units: ug/L

Batch #: 1

## BLANK /BLANK SPIKE RECOVERY STUDY

Volatile Organic Compounds by EPA 524.2 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
2,2-Dichloropropane	<0.200	5.00	5.10	102	70-130	
1,1-Dichloropropene	<0.200	5.00	5.10	102	70-130	
cis-1,3-Dichloropropene	<0.200	5.00	5.05	101	70-130	
trans-1,3-dichloropropene	<0.200	5.00	4.53	91	70-130	
Ethylbenzene	<0.200	5.00	4.50	90	70-130	
Hexachlorobutadiene	<0.200	5.00	4.90	98	70-130	
2-Hexanone	<1.00	25.0	21.3	85	70-130	
isopropylbenzene	<0.200	5.00	4.42	88	70-130	
p-Cymene (p-Isopropyltoluene)	<0.200	5.00	4.18	84	70-130	
Methylene Chloride	<0.400	5.00	5.05	101	70-130	
MTBE	<0.200	100	9.74	10	70-130	J2
Naphthalene	<0.200	5.00	5.10	102	70-130	
n-Propylbenzene	<0.200	5.00	4.35	87	70-130	
Styrene	<0.200	5.00	4.18	84	70-130	
1,1,1,2-Tetrachloroethane	<0.200	5.00	4.85	97	70-130	
1,1,2,2-Tetrachloroethane	<0.200	5.00	4.82	96	70-130	
Tetrachloroethylene	<0.200	5.00	4.85	97	70-130	
Toluene	<0.200	5.00	4.84	97	70-130	
1,2,3-Trichlorobenzene	<0.200	5.00	5.17	103	70-130	
1,2,4-Trichlorobenzene	<0.200	5.00	4.63	93	70-130	
1,1,1-Trichloroethane	<0.200	5.00	5.03	101	70-130	
1,1,2-Trichloroethane	<0.200	5.00	4.93	99	70-130	
Trichloroethylene	<0.200	5.00	4.68	94	70-130	
Trichlorofluoromethane	<0.200	5.00	4.20	84	70-130	
1,2,3-Trichloropropane	<0.200	5.00	5.04	101	70-130	
1,2,4-Trimethylbenzene	<0.200	5.00	4.27	85	70-130	
1,3,5-Trimethylbenzene	<0.200	5.00	4.29	86	70-130	
Vinyl Acetate	<1.00	5.00	6.21	124	70-130	
Vinyl Chloride	<0.200	5.00	4.57	91	70-130	
o-Xylene	<0.200	5.00	4.62	92	70-130	
m,p-Xylene	<0.400	10.0	8.84	88	70-130	
Ethyl tert butyl Ether	<2.00	5.00	5.71	114	70-130	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



# BS / BSD Recoveries



**Project Name: 15541 New Hampshire Ave**

**Work Order #: 344573**

**Analyst: RMU**

**Date Prepared: 09/16/2009**

**Project ID: GROWEMD**

**Date Analyzed: 09/16/2009**

**Lab Batch ID: 772913**

**Sample: 538071-1-BKS**

**Batch #: 1**

**Matrix: Water**

**Units: mg/L**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>TPH GRO by SW846 8015 Modified</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
TPH-GRO (Gasoline Range Organics)	<0.013	2.00	0.467	23	2	0.452	23	3	55-164	20	J2

**Analyst: RMU**

**Date Prepared: 09/16/2009**

**Date Analyzed: 09/16/2009**

**Lab Batch ID: 772934**

**Sample: 538080-1-BKS**

**Batch #: 1**

**Matrix: Water**

**Units: mg/L**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>TPH GRO by SW846 8015 Modified</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
TPH-GRO (Gasoline Range Organics)	<0.013	0.500	0.459	92	0.5	0.436	87	5	55-164	20	

**Analyst: RMU**

**Date Prepared: 09/22/2009**

**Date Analyzed: 09/23/2009**

**Lab Batch ID: 774082**

**Sample: 538763-1-BKS**

**Batch #: 1**

**Matrix: Water**

**Units: mg/L**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>TPH GRO by SW846 8015 Modified</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
TPH-GRO (Gasoline Range Organics)	<0.013	0.500	0.435	87	0.5	0.454	91	4	55-164	20	

Relative Percent Difference RPD = 200\*|(C-F)/(C+F)|

Blank Spike Recovery [D] = 100\*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100\*(F)/[E]

All results are based on MDL and Validated for QC Purposes



# BS / BSD Recoveries



**Project Name: 15541 New Hampshire Ave**

**Work Order #: 344573**

**Analyst: ROR**

**Date Prepared: 09/17/2009**

**Project ID: GROWEMD**

**Date Analyzed: 09/17/2009**

**Lab Batch ID: 773381**

**Sample: 537904-1-BKS**

**Batch #: 1**

**Matrix: Water**

**Units: mg/L**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH-Diesel Range Organics by SW-846 8015B  Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	TPH-DRO (Diesel Range Organics)	<0.036	2.00	1.90	95	2	1.66	83	13	35-164	29

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



# Form 3 - MS / MSD Recoveries



Project Name: 15541 New Hampshire Ave

Work Order #: 344573

Project ID: GROWEMD

Lab Batch ID: 772913

QC- Sample ID: 344573-003 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/16/2009

Date Prepared: 09/16/2009

Analyst: RMU

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<0.100	2.00	0.454	23	2.00	0.452	23	0	55-164	20	J3

Lab Batch ID: 772934

QC- Sample ID: 343842-010 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/16/2009

Date Prepared: 09/16/2009

Analyst: RMU

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<0.050	0.500	0.441	88	0.500	0.451	90	2	55-164	20	

Lab Batch ID: 774082

QC- Sample ID: 344573-013 S

Batch #: 1 Matrix: Water

Date Analyzed: 09/23/2009

Date Prepared: 09/22/2009

Analyst: RMU

Reporting Units: mg/L

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH GRO by SW846 8015 Modified Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<0.100	0.500	0.519	104	0.500	0.541	108	4	55-164	20	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/B  
Relative Percent Difference RPD = 200\*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit

# Shell Oil Products Chain Of Custody Record

 LAB (LOCATION)  
 X XENCO MILKMAN FL

- CALSCIENCE ( )  
 TEST AMERICA ( )  
 SPL ( )  
 OTHER ( )



**Please Check Appropriate Box:**

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SO&CH	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: **A. Ashley Bell**

INCIDENT # (ENV SERVICES): **9 7 4 3 6 9 7 7**

PO #: **0402316-000037-870M01**

SAP #: **1 3 7 6 7 5**

CHECK IF NO INCIDENT # APPLIES:

DATE: 9/10/09

PAGE: 1 of 2

CONSULTANT COMPANY: **Groundwater & Environmental Services, Inc.**

ADDRESS: **2142 Priest Bridge Ct, Suite 1**

CITY: **Crofton, MD**

TELEPHONE: **800-220-3606**

FAX: **410-721-3733**

EMAIL: **abell@gesonline.com preichardt@gesonline.com**

SITE ADDRESS (Street, City and state): **15541 New Hampshire Avenue, Silver Spring, MD**

CONSULTANT PROJECT CONTACT (Report to): **Ashley Bell, Pete Reichardt, Gina Baker, Kenan Warner**

CONSULTANT PROJECT NO.: **15541 New Hampshire Ave**

SAMPLER NAME(S) (Print): South Androssin

LAB USE ONLY: 344573

TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (14 DAY)     5 DAYS     3 DAYS     2 DAYS     24 HOURS     RESULTS NEEDED ON WEEKEND

DELIVERABLES:     LEVEL 1     LEVEL 2     LEVEL 3     LEVEL 4     OTHER (SPECIFY) \_\_\_\_\_

TEMPERATURE ON RECEIPT °C    Cooler #1    Cooler #2    Cooler #3

**SPECIAL INSTRUCTIONS OR NOTES:**

In addition to the above, please email results to the following:

**gbaker@gesonline.com**  
**kwarner@gesonline.com**

SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 PROVIDE LEDD DISK

### REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX (GW, DW, SOIL, AIR, Carbon)	PRESERVATIVE						NO. OF CONT.	BTX (Method 8240)	MTBE (Method 8240)	TBA, DPE, ETBE, TAME, MTBE (Method 8240)	TBA (Method 8240)	TAME (Method 8240)	Napthalene (Method 8240)	Benzene (Method 8240)	PUG-AT VOCs including fuel oxygenates (Method 8240)	TPH-GRO (Method 8019)	TPH-OIL (Method 8019)	Dissolved Lead (Method 84106)	Nitrate (Method 253.2)	Fuel-Air VOCs including fuel oxygenates (Method 524.2) Drinking Water	BTEX (Method 824)	MTBE (Method 824)	TPA (Method 824)	BTEX/NTO and TPH (C1-C4 and C5-C10) (Method 1104 Air Samples)	TPH (Method 1604)	Container PID Readings or Laboratory Notes	
		DATE	TIME		HCL	PN03	H2SO4	NONE	OTHER																						
	621 Bryants Nursery	9/10/09	0910	DW	X																										
	640 Bryants Nursery		0805	DW																											
	700 Bryants Nursery		0840																												
	651 Bryants Nursery		0910																												
	660 Bryants Nursery		0930																												
	670 Bryants Nursery		1000																												
	661 Bryants Nursery		0834																												
	600 Bryants Nursery		0925																												
	670 Bryants Nursery		0925																												
	611 Bryants Nursery	9/10	0915																												

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) _____	Date: <u>9/10/09</u>	Time: _____
Relinquished by: (Signature) _____	Received by: (Signature) _____	Date: _____	Time: _____
Relinquished by: (Signature) _____	Received by: (Signature) _____	Date: _____	Time: _____

# Shell Oil Products Chain Of Custody Record

LAB (LOCATION)  
 X KENCO Miramar FL  
 CALSCIENCE ( )  
 TEST AMERICA ( )  
 SPL ( )  
 OTHER ( )

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: **A. Ashley Bell**  
 INCIDENT # (ENV SERVICES): **9 7 4 3 6 9 7 7**  
 PO #: **0402316-000037-870M01**  
 SAP #: **1 3 7 6 7 5**  
 CHECK IF NO INCIDENT # APPLIES  
 DATE: 9/10/09  
 PAGE: 2 of 2

CONSULTANT COMPANY: **Groundwater & Environmental Services, Inc.**  
 ADDRESS: **2142 Priest Bridge Ct, Suite 1**  
 CITY: **Crofton, MD**  
 TELEPHONE: **800-220-3606** FAX: **410-721-3733**  
 EMAIL: **abell@gesonline.com preichardt@gesonline.com**

SITE ADDRESS (Street, City and State): **15541 New Hampshire Avenue, Silver Spring, MD**  
 CONSULTANT PROJECT CONTACT (Report by): **Ashley Bell, Pete Reichardt, Gina Baker, Kenan Warner**  
 CONSULTANT PROJECT NO.: **15541 New Hampshire Ave**  
 SALES ORDER NUMBER(S) (Print): **Sgt Andresini**  
 LAB USE ONLY: **344573**

TURNAROUND TIME (CALENDAR DAYS):  
 STANDARD (14 DAY)  5 DAYS  3 DAYS  2 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND  
 DELIVERABLES:  LEVEL 1  LEVEL 2  LEVEL 3  LEVEL 4  OTHER (SPECIFY) \_\_\_\_\_  
 TEMPERATURE ON RECEIPT °C: Cooler #1 \_\_\_\_\_ Cooler #2 \_\_\_\_\_ Cooler #3 \_\_\_\_\_

### REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES :  
 In addition to the above, please email results to the following:  
 gbaker@gesonline.com  
 kwarnar@gesonline.com  
 SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 PROVIDE LEDD DISK

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX (GW, DW, SOL, AIR, Carbon)	PRESERVATIVE					NO. OF CONT.	BTEX (Method 8260)	MTBE (Method 8210)	TBA, DPE, ETBE, TAME, MTBE (Method 8210)	TBA (Method 8210)	TAME (Method 8210)	Heptachlorene (Method 8210)	Ethanol (Method 8210)	Full list VOCs, including but not limited to (Method 8210)	TPH-CRO (Method 8215)	TPH-CRO (Method 8215)	Distilled Lead (Method 8218)	Nitrate (Method 203.2)	Full list VOCs, including but not limited to (Method 8210) Smelting Plant	BTEX (Method 824)	MTBE (Method 824)	TBA (Method 824)	BTEX and TPH (C1-C6 and C5-C10) (Method 11M) Air Samples	TPH (Method 1864)	Container PID Readings or Laboratory Notes			
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																							
	711 Bryants Nursery	9/10/09	1015	GW	X					6	X	X																				
	710 Bryants Nursery		1135																													
	721 Bryants Nursery		1150																													
	720 Bryants Nursery		1205																													
	731 Bryants Nursery		1222																													
	730 Bryants Nursery	10	1235	10	10					10	10	10																				

Relinquished by: (Signature) 	Received by: (Signature)	Date: <u>9/10/09</u>	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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Prelogin / Nonconformance Report  
Sample Log-in

Client: GES / MD  
Date / Time: 9/14/09  
Lab ID#: DAH 9/15/09 244535 344578  
Initials: MB

Sample Receipt Checklist

#1 Temperature of cooler?				
#2 Shipping container in good condition?	<input checked="" type="radio"/> Yes	No	3.0 °C	
#3 Samples received on ice?	<input checked="" type="radio"/> Yes	No	None	
#4 Custody Seals intact on sample container/cooler?	Yes	No	N/A	Blue/Water
#5 Custody Seals intact on sample bottles/containers	Yes	No	<input checked="" type="radio"/> N/A	
#6 Chain of Custody present?	<input checked="" type="radio"/> Yes	No	<input checked="" type="radio"/> N/A	
#7 Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	No		
#8 Any missing/extra samples?	Yes	<input checked="" type="radio"/> No		
#9 Chain of custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	No		
#10 Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	No		
#11 Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	No		
#12 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	No		
#13 Sample in proper container/bottle?	<input checked="" type="radio"/> Yes	No		
#14 Samples properly preserved?	<input checked="" type="radio"/> Yes	No		
#15 Sample container(s) intact?	<input checked="" type="radio"/> Yes	No	N/A	
#16 Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	No		
#17 All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No		
#18 Subcontract of sample(s)?	Yes	<input checked="" type="radio"/> No		
#19 VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	No	N/A	

Nonconformance Documentation

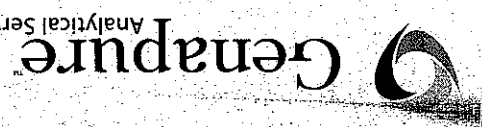
Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: sample 610 - 1 amber bottle missing label

Corrective Action Taken: \_\_\_\_\_

Check all that Apply:  Client understands and would like to proceed with analysis

Cooling process had begun shortly after sampling event





Laboratories

DATE 10/15/09

WENCO Work Order Number: 344573 Custody Seal: Broken Intact None

Cooler Temperature: 3.0°C

Custodian: B

Log-in Date: 9/14/09

Number of coolers: 1 Number of containers in this cooler: \_\_\_\_\_

Sample ID	No. of containers per sample	Matrix	Collection Method	Container Size	Container Type	Headspace		Analysis	Notes
						Preservative	pH		
1-16	2	soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		020
1-16	4	soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		<del>82200</del> S24.2/620
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		
		soil water air	composite grab unknown	VOA 125mL 250mL 500mL 1L 2oz 4oz 8oz	glass: amber \ clear plastic: hdpe \ ldppe bag: tedlar \ plastic	none HCL NaOH Sulfuric Nitric DI H <sub>2</sub> O MeOH	N Y		

EXCEPTIONS/NON-CONFORMANCES:

Client Contacted; date/time; Instructions:

Lab Project Manager:

Tampa Sample Receipt Checklist





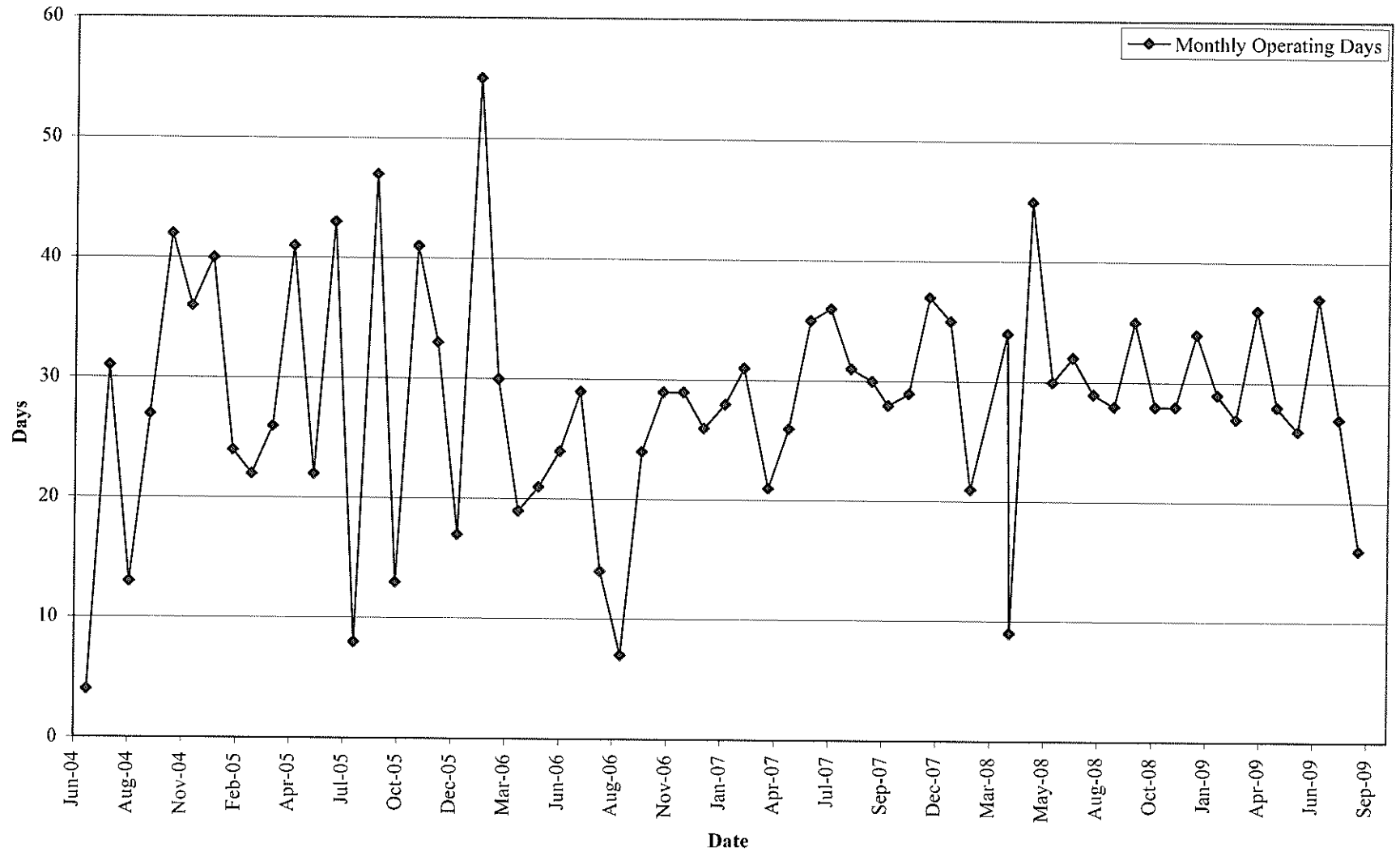
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## **APPENDIX B**

Quarterly Engineering Graphs

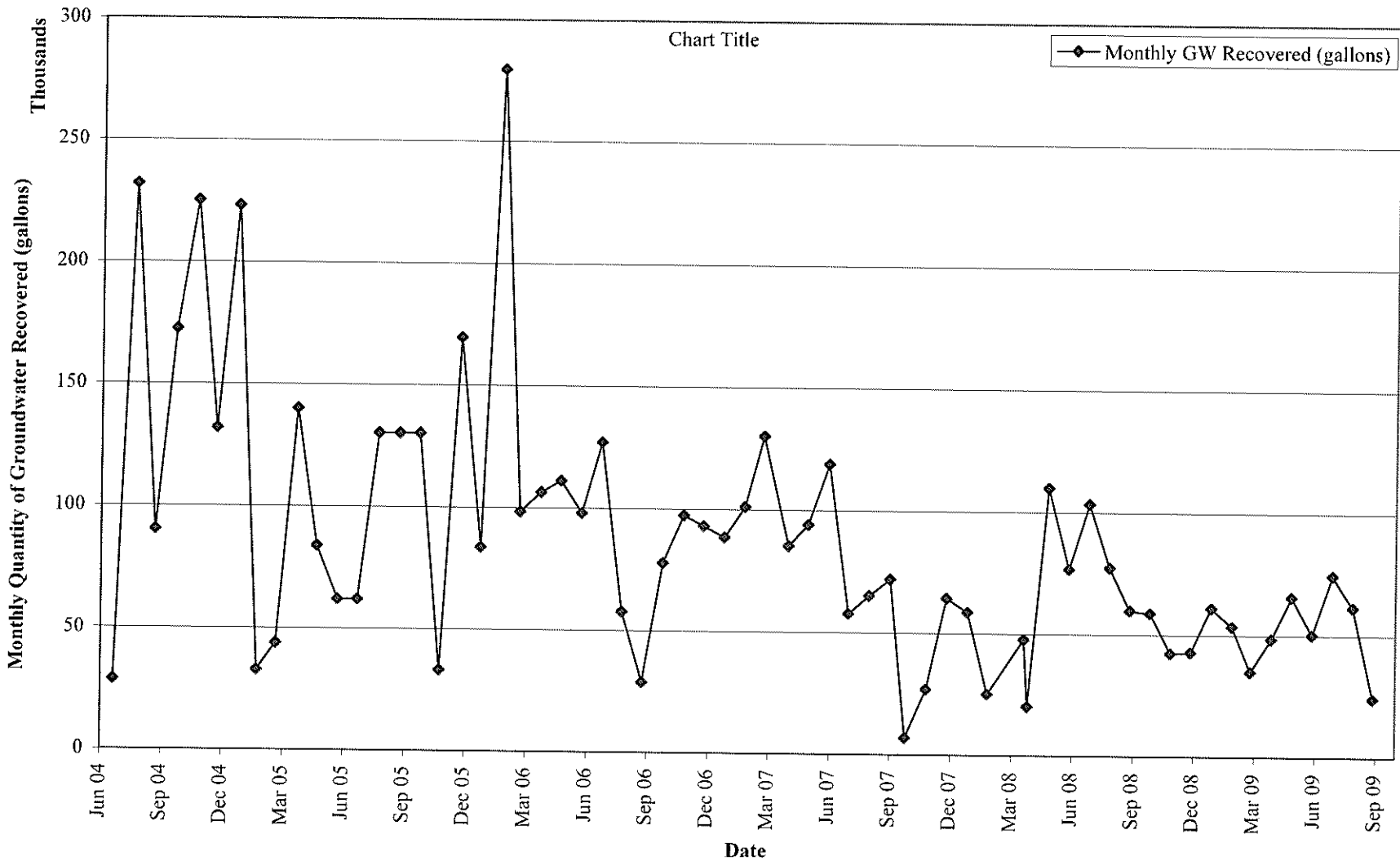
# GROUNDWATER PUMP AND TREAT OPERATIONAL DAYS

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD



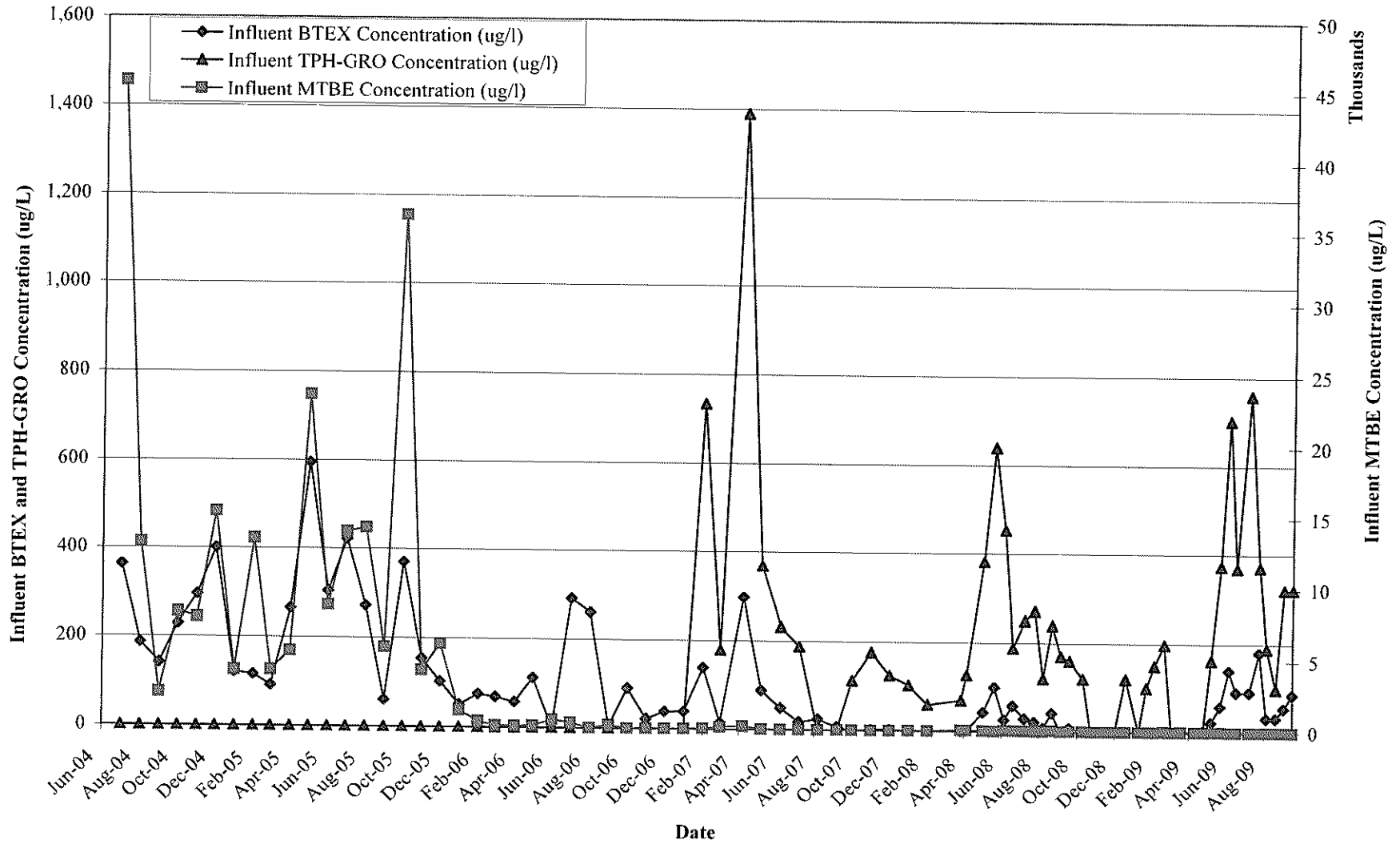
# VOLUME OF GROUNDWATER RECOVERED

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD



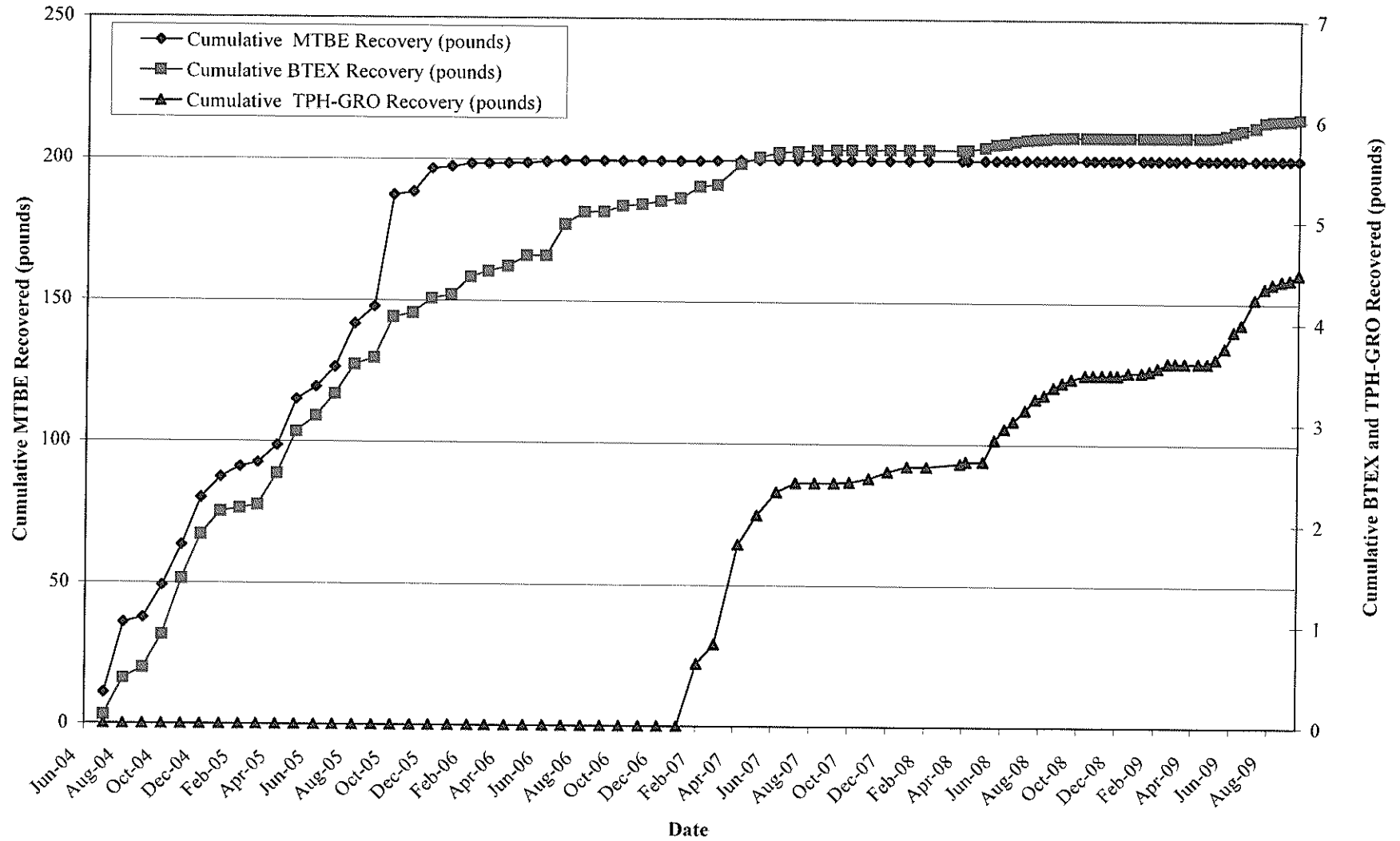
# DISSOLVED-PHASE INFLUENT HYDROCARBON CONCENTRATION

Former Shell Station #137675  
 15541 New Hampshire Avenue  
 Silver Spring, MD



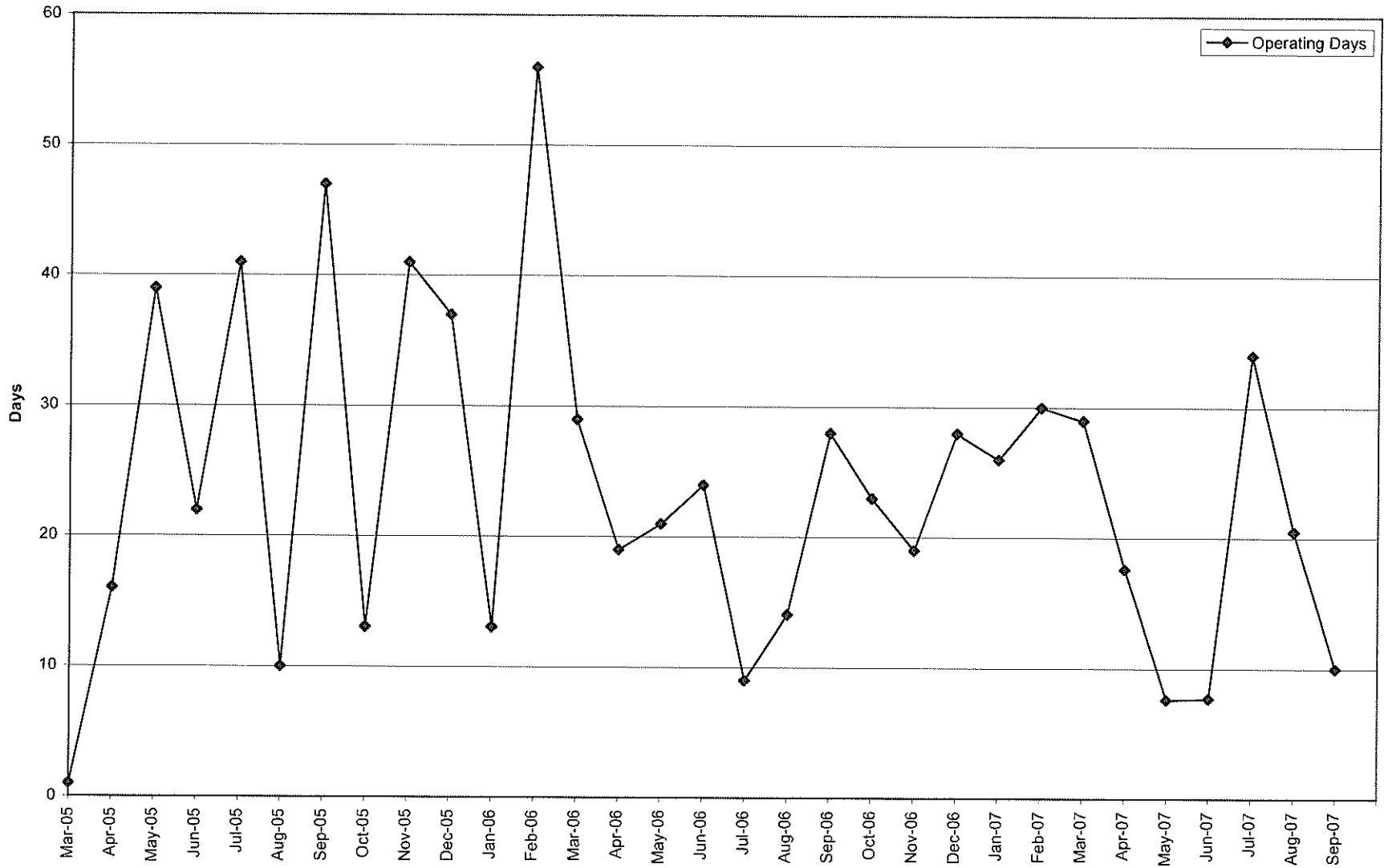
# DISSOLVED-PHASE HYDROCARBON RECOVERY TO DATE

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD



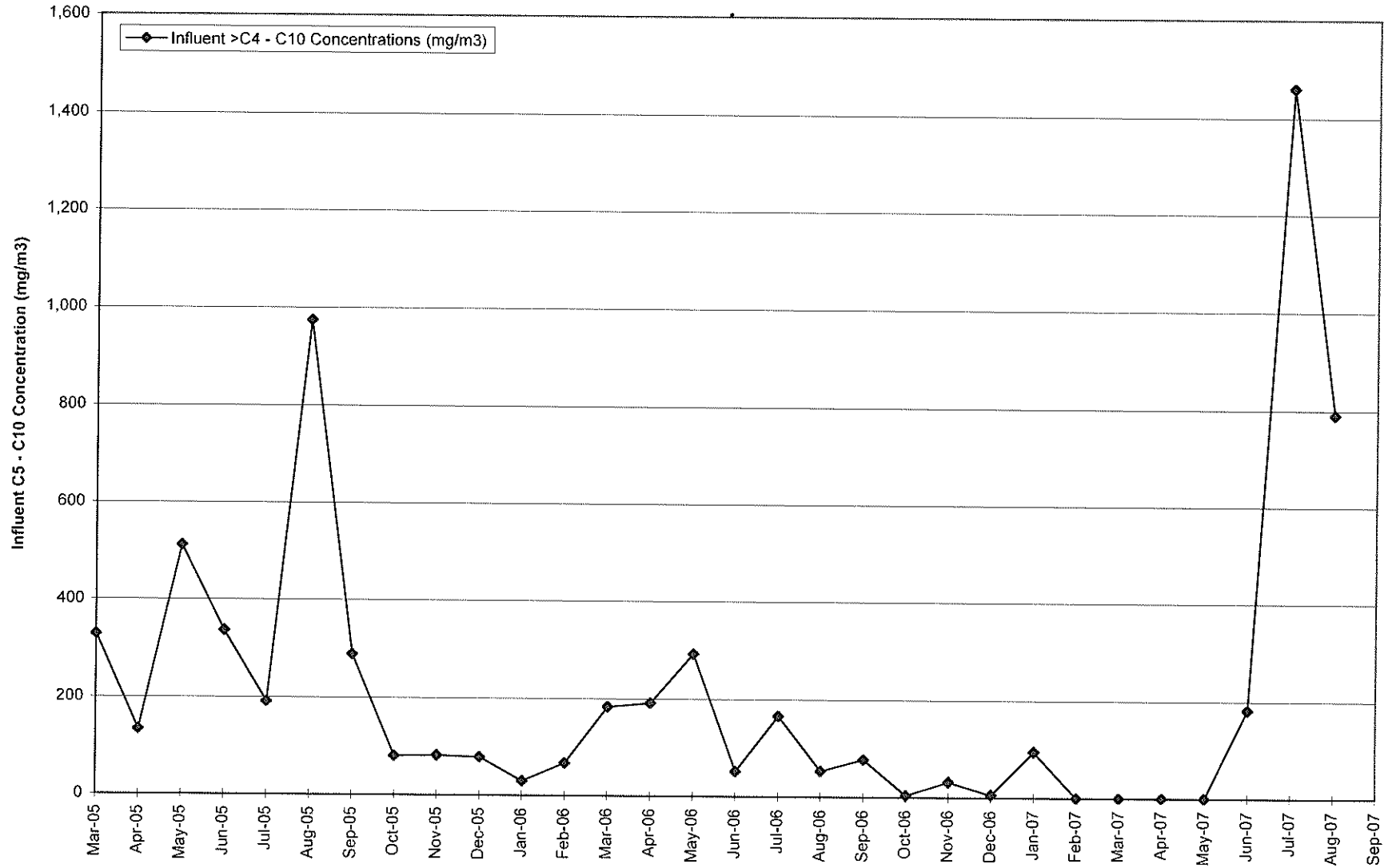
# SOIL VAPOR EXTRACTION OPERATIONAL DAYS

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD



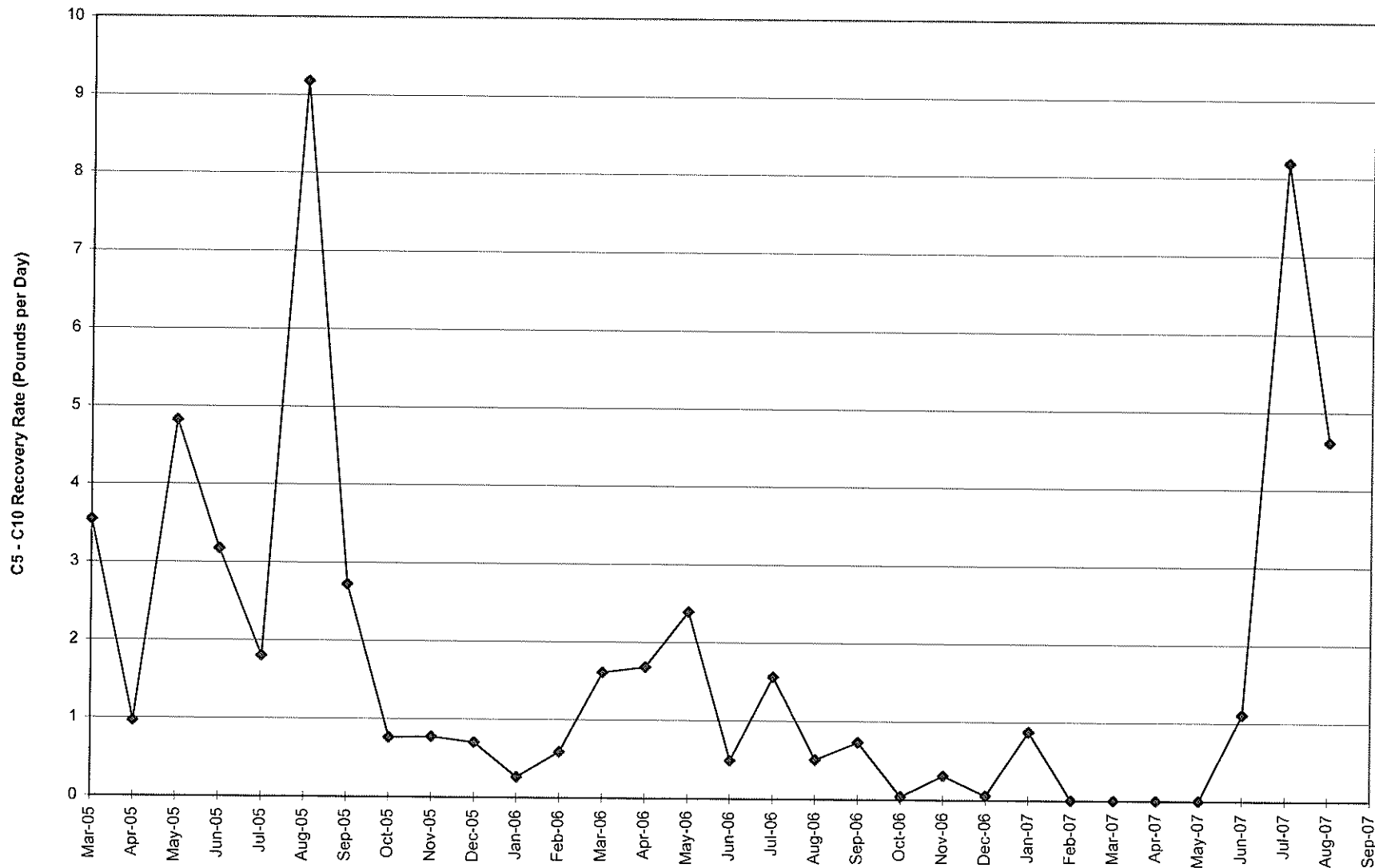
# VAPOR-PHASE INFLUENT HYDROCARBON CONCENTRATION

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD



# VAPOR-PHASE HYDROCARBON RECOVERY RATE

Former Shell Station #137675  
15541 New Hampshire Avenue  
Silver Spring, MD





# VAPOR-PHASE HYDROCARBON RECOVERY TO DATE

Former Shell Station #137675,  
15541 New Hampshire Avenue  
Silver Spring, MD

