April 2012

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

Re: First Quarter 2012 Status Report
Third Party Shell Service Station #137675
15541 New Hampshire Avenue, Silver Spring, MD
MDE Case # 03-0695MO1

Dear Mr. Arnold:

On behalf of Motiva Enterprises LLC (Motiva), URS Corporation (URS) is submitting the First Quarter 2012 Site Status Report for the above referenced site. This report presents the site activities and sampling results for the First Quarter of 2012.

If you have any questions regarding the Quarterly Status Report or require additional information, please do not hesitate to contact Mr. Doug Weimer, Motiva, at 703.272.7097 or the undersigned at 301.820.3000.

Sincerely,
URS CORPORATION

Jenna Anthony

Adrian Rogers

Jenna Anthony
Site Manager

Adriane M. Rogers
Project Manager

Attachment

Cc: Doug Weimer – Motiva Enterprises, LLC
Forest Arnold - MDE (2 additional copies w/CD)
George Rudy – owner
Philip Mitchell – Mitchell Companies
Reference Librarian – Fairland Regional Library

URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, MD 20876
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FIRST QUARTER 2012 QUARTERLY STATUS REPORT

FORMER SHELL SERVICE STATION #137675
15541 NEW HAMPSHIRE AVE.
SILVER SPRING, MD
MDE CASE #03-0695 MO1

Prepared for

Motiva Enterprises LLC
4094 Majestic Lane
PMB 224
Fairfax, VA 22033

And

Maryland Department of the Environment
Oil Control Program
1800 Washington Blvd.
Baltimore, MD 21230

April 2012

URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, MD 20876
Phone (301) 820-3000

REPORTING PERIOD: January 2012 – March 2012

AGENCY CONTACT: Mr. Forest Arnold

MOTIVA CONTACT: Mr. Doug Weimer, (703) 272-7097

URS CONTACT: Ms. Adriane M. Rogers, (301) 820-3241

1.0 SITE DESCRIPTION

Site Use: Former Shell Service Station, currently Citgo station.

Surrounding Area: The Site, as used in this report, is defined as the former shell service station located at 15541 New Hampshire Ave. The Site is located in a mixed commercial and residential area.

Lithology: The overburden sequence, which is formed as rolling upland and steep sided strike valleys, is rarely more than 100 feet thick. In the immediate site area, the overburden is 60-70 feet thick. The overburden consists of primarily micaceous saprolite and is floored by weathered schist bounding the competent bedrock zone. Monitoring wells in the weathered schist are screened approximately 63-80 ft below ground surface (bgs) (deep wells (D)), while wells screened in the bedrock aquifer are located in the range of 70-100 ft bgs (rock wells (R)). The bedrock geology in the area of the Site and surrounding area is primarily comprised of schist containing mica, quartz and garnet with pelitic origins. The overburden (saprolite) mineralogy likely consists of oxides and clay-species pseudomorphs of the original schist which have been altered during in-situ chemical weathering from both historic and current groundwater interactions. Relict foliation, evident in the saprolitic overburden, has been noted as horizontal to sub-horizontal.

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 surface water bodies in the vicinity of the Site include Bryants Nursery Run and storm water runoff ponds. There are no wetlands downgradient of the Site.

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.

2.0 SITE HISTORY

- In September 2002, the Shell Station was closed for business.
- In November 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.
- In February 2003, a Work plan and Tank Removal Report was submitted to the Maryland Department of the Environment (MDE) and recommended the installation of four monitoring wells on site.
- In August 2003, MDE gave verbal direction to Motiva to sample the area's potable

wells.

- In September 2003, the first round of potable well sampling was initiated. Samples were collected from 15526 and 15529 New Hampshire Avenue.
- In September 2003, Motiva, EnviroTrac, the station Property owner (George Rudy, DPI Properties), and MDE personnel attended a meeting at MDE office regarding the Site.
- In October 2003, the second round of potable well sampling was initiated. Samples were collected from seventeen (17) potable wells on Bryants Nursery Road (611, 621, 650, 651, 660, 661, 670, 700, 710, 711, 720, 721, 730, 731, 740, 741, and 751) located adjacent from the station across New Hampshire Avenue and one (1) potable well on Snider Lane (715) located northeast of the station.
- In November 2003, Point of Entry Treatment (POET) filtration systems were installed on potable wells of three (3) homes on Bryants Nursery Road (720, 730, and 731).
- From December 2003 to January 2004, monitoring wells MW-01 through MW-06 were installed.
- In February 2004, monitoring wells MW-05S, MW-06S, MW-06D, MW-07S, MW-08S, MW-08D, and MW09S were installed.
- In March 2004, monitoring wells MW-05D, MW-07D, MW-09D, and MW-10 were installed.
- In March 2004, a soil vapor extraction (SVE) test was conducted onsite.
- In April 2004, monitoring wells MW-11S and MW-11D were installed.
- In June 2004, bedrock wells MW-05R, MW-06R, and MW-11R were installed, including rock coring, packer & geophysical testing.
- In June 2004, a groundwater pump and treat system was installed onsite. The system was connected to monitoring wells MW-01, MW-03, and MW-10 and consisted of two (2) 2,000-lb liquid phase granular activated carbon (LGAC) units prior to discharge.
- In July 2004, the onsite groundwater pump and treat system was started.
- In August 2004, pump tests were completed to determine the radius of influence of monitoring wells MW-05D and MW-06D.
- In September 2004, an SVE pilot test was performed on monitoring wells MW-01, MW-03, and MW-10.
- In March 2005, the onsite SVE system was started.
- In July 2005, three (3) nested wells were installed (750 BNR, 750 BND, and 750 BNS) at 750 Bryants Nursery Rd.
- In September 2005, MDE approved the proposed extension of the groundwater pump and treat system across New Hampshire Avenue to monitoring wells MW-05S, MW-11S, MW-06D, and MW-08D, if further remediation was needed.
- In December 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 MW-05S, MW-11S, MW-06D, and MW-08D located across New Hampshire Avenue.
- In August 2006, the environmental management was transferred from EnviroTrac to Groundwater Environmental Services (GES). MDE sent an update letter regarding the Site to the Cloverly Civic Association.
- In March 2007, 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 hydro-fracturing during the installation of their new potable well might have contributed to the initial detections of petroleum constituents in their new well.

- In March 2007, MDE issued a letter indicating that the remediation shed must be upgraded by March 30, 2007.
- In May 2007, a Subsurface Investigation Work Plan was prepared recommending that deep and rock groundwater monitoring points be installed in the vicinity of the former potable well at 730 Bryants Nursery Road. A Pilot Test Work Plan to address the offsite impacts in the deep groundwater aquifer was submitted. The Work Plan recommended using vacuum enhanced groundwater extraction (VEGE) technology to complete a Pilot Test using existing monitoring well MW-06D and a new well to be installed in the vicinity of monitoring wells MW-06D and MW-06R. The plans were approved by MDE with no modifications.
- In June 2007, monitoring well MW-12 was installed in the vicinity of monitoring wells MW-06S, MW-06D, and MW-06R to conduct pilot testing activities.
- In June 2007, pilot testing activities of the deep offsite aquifer were conducted as proposed in the May 2007 Pilot Test Work Plan.
- In August 2007, a SVE system shut-down request was submitted to MDE and approved.
- In September 2007, the SVE system was shut-down.
- In May 2008, MDE issued a directive with deadlines for several project milestones. The following milestones were included: (1) prepare a Corrective Action Plan (CAP) Addendum including pilot test results and preliminary offsite system design; (2) complete additional pump testing; (3) complete a Pilot Test Report/Extent of System Capture and Final Offsite System Design Report; and (3) provide an estimated offsite system start-up date.
- In September 2008, GES submitted a Subsurface Investigation Work Plan of Wooded Property (Goblin Property, located on Bryants Nursery Road across from the Site). The Work Plan proposed the installation of two sets of temporary deep and shallow 2-inch monitoring well clusters (4 wells total) in order to determine if the groundwater flowing beneath the Property was impacted by the operation of the Former Shell Station.
- In October 2008, MDE approved the Subsurface Investigation Work Plan of Wooded Property with the following modifications: (1) an additional cluster of monitoring wells must be installed on the Property; and (2) the monitoring wells must be installed as permanent wells.
- From October to November 2008, monitoring wells MW-13S, MW-13D, MW-14S, MW-14D, MW-15S, and MW-15D were installed in the wooded property on Bryants Nursery Road.
- In December 2008, GES submitted a Wooded Lot Site Assessment Report to MDE containing a recommendation for additional delineation by installing two additional monitoring well clusters on the Property.
- In January 2009, MDE approved the recommendation to install two additional well clusters on the wooded property with no modifications. MDE noted that the monitoring wells on the wooded lot should be sampled quarterly.
- In March 2009, monitoring wells MW-16S, MW-16D, MW-17S, and MW-17D were installed in the wooded lot on Bryants Nursery Road and monitoring well MW-18 was installed in front of the residence on the church Property.

- In March 2009, MDE sent a Site Status Letter to the wooded property owner, P. Golkin, to inform him of the history of the Site.
- In July 2009, a Revised Pump Test Work Plan was submitted to MDE. The Work Plan proposed the completion of a short term weathered rock zone pumping test and a longer term overburden pumping test in the area of the proposed remediation system (Bryants Nursery Road on the church property across from the wooded lot) to evaluate aquifer parameters and vertical and horizontal flow in this area.
- In August 2009, MDE approved the Revised Pump Test Work Plan with modifications to the groundwater sampling analyses and the requirement that a CAP Addendum must be submitted within 60 days of the completion of the pump test.
- In August 2009, a pump test was conducted as outlined in the Revised Pump Test Work Plan.
- In November 2009, a CAP Addendum was submitted to MDE. The corrective action proposed within the CAP Addendum was the installation of an offsite groundwater extraction remediation system on the church Property and the installation of an offsite recovery well network that would spatially cover the width of the delineated plume and address the shallow and deep overburden zones.
- In March 2010, MDE approved the CAP Addendum Work Plan with the following modifications: (1) submittal of a detailed implementation plan; and (2) one additional recovery well to be installed on the wooded property, two additional monitoring well clusters to be installed on the wooded property, and two additional monitoring well clusters to be installed further down Bryants Nursery Road beyond the proposed recovery wells.
- From June 2010 to July 2010, monitoring wells 730 BNS, 730 BND, and recovery well RW-22 were installed.
- In September 2010, MDE approved the CAP Implementation Plan with no modifications.
- In September 2010, construction activities for the offsite groundwater recovery system being installed on the wooded area of the 15600 New Hampshire Avenue Property (church) began.
- In September 2010, recovery well RW-19 was installed.
- From October 2010 to November 2010, recovery wells RW-20, RW-21, and RW-23 were installed. All recovery wells (RW-19 through RW-23) were connected to the offsite system. Monitoring well clusters MW-24S, MW-24D, MW-25S, MW-25D, MW-26S, and MW-26D were also installed.
- In December 2010, the offsite groundwater recovery system was started.
- In January 2011, the environmental management was transferred from GES to URS Corporation (URS).
- In March 2011, a Supplemental Site Assessment Report was submitted to MDE. The report detailed the installation of the recovery wells and monitoring well clusters required by the CAP Addendum and CAP Addendum approval.
- In November 2011, a Request to Modify Groundwater Sampling Schedule was submitted to MDE.
- In December 2011, MDE approved the Request to Modify Groundwater Sampling Schedule as follows: collect samples from the eight groundwater recovery wells (RW-01, RW-03, RW-10, and RW-19 through RW-23), the most down-gradient well clusters on each side of Bryants Nursery Road (MW-26S, MW-26D, 730 BNS,

and 730 BND), and all former potable wells (710 BNR, 711 BNR, 720 BNR, 721 BNR, 731 BNR, and 740 BNR) on a quarterly basis & analyze for BTEX, MTBE, and Oxy 5 by EPA Method 8260B. During the quarterly groundwater sampling event, all site monitoring, recovery, and former potable wells will be gauged. On a biannual basis a groundwater sample will be collected from every monitoring, recovery, and former potable well. Each sample will be analyzed for BTEX, MTBE, and Oxy 5 by EPA Method 8260B. Drinking water samples will continue to be collected quarterly from potable wells along Bryants Nursery Road and analyzed for full-suite volatile organic compounds (VOCs), and Oxy5 using EPA Method 523.2

- On January 16, 2012, a Recovery Well Installation and Delineation Work Plan was submitted to MDE.
- On January 30, 2012, at the Cloverly Civic Association Community Meeting Motiva and URS presented the current status of the Site to the attendees.
- On January 31, 2012, MDE approved the Recovery Well Installation and Delineation Work Plan.
- On February 2, 2012, the onsite groundwater extraction system was shut down.
- On February 10, 2012, a Request for Access letter was sent to the residence of 721 Bryants Nursery Road for installation of two sentinel wells in their yard.
- On March 12 -14, 2012, recovery well RW-27 was installed.

Previous Reports

- Work Plan & Tank Removal Report, February 2003
- Road Opening Permit, December 2005
- Subsurface Investigation Work Plan, May 2007
- Pilot Test Work Plan, May 2007
- Corrective Action Plan, May 2008
- Subsurface Investigation Work Plan, September 2008
- Wooded Lot Site Assessment Report, December 2008
- Revised Pump Test Work Plan, July 2009
- Corrective Action Plan, November 2009
- Corrective Action Plan Addendum, March 2010
- Corrective Action Plan Implementation Plan, September 2010
- Supplemental Site Assessment Report, March 2011
- Request to Modify Groundwater Sampling Schedule, November 2011
- Recovery Well Installation and Delineation Work Plan, January 2012

3.0 ACTIVITIES THIS QUARTER

Groundwater Gauging and Monitoring

All monitoring wells were gauged on February 1, 2012 during this quarter, and routinely gauged on a quarterly basis. During this quarter, depth to water measurements recorded from site wells ranged from 6.00 feet bgs in monitoring well MW-09S on February 1, 2012 to 49.95 feet bgs in recovery well RW-22 on February 1, 2012. The groundwater gauging data is included as Table 1. The shallow hydraulic

gradient for this quarter is illustrated on Figure 4. The deep overburden hydraulic gradient for this quarter is illustrated on Figure 5. The bedrock hydraulic gradient for this quarter is illustrated on Figure 6. Based on the gauging data, the groundwater flow direction in all three zones is consistent, towards the northwest from the Site.

Weekly gauging is also completed on select monitoring wells located down gradient of the station along Bryants Nursery Road (BNR) 710 BNR, 711 BNR, 720 BNR, 721 BNR, and 740 BNR). These select monitoring wells are gauged weekly to monitor the influence that the residential system has on the water resource that supplies the residential potable wells while it is pumping groundwater. Based on the weekly gauging events, the offsite groundwater pump and treat system is not influencing the water resource supplying the residential potable wells. A graph showing the groundwater elevation trends over time for these wells is in Appendix B.

Liquid Phase Hydrocarbon (LPH) Detection

LPH was not observed in any monitoring wells during the First Quarter 2012. LPH has never been observed at this site.

Groundwater Sampling

During the First Quarter 2012, groundwater samples were collected from the eight groundwater recovery wells (RW-01, RW-03, RW-10 and RW-19 through RW-23), the most downgradient well clusters on each side of Bryants Nursery Road (MW-24S, MW-24D, MW-25S, MW-25D, MW-26S, MW-26D, 730 BNS and 730 BND), and all former potable wells (710 BNR, 711 BNR, 720 BNR, 721 BNR, 731 BNR, and 740 BNR). The samples were submitted to Accutest Laboratories (New Jersey) under chain of custody for analysis of BTEX, MTBE and Oxy 5 by EPA Method 8260B.

The laboratory analytical results are summarized in Tables 2. Benzene, toluene, ethylbenzene, xylenes, total BTEX, and MTBE concentrations are presented on Figure 7. The laboratory analytical reports are provided in Appendix C. The maximum dissolved phase hydrocarbon concentrations, in micrograms per liter (µg/L), of select analytes detected in the groundwater samples collected during this quarter are as follows:

- Benzene: 14.3 µg/L (RW-10) Sector: onsite
- Toluene: 0.80 J µg/L (RW-01) Sector: onsite
- Ethylbenzene: 3.8 µg/L (RW-01) Sector: onsite
- Total Xylenes: 18.7 µg/L (RW-01) Sector: onsite
- Total BTEX: 26.42 µg/L (RW-10) Sector: onsite
- MTBE: 5,320 µg/L (RW-22) Sector: 240-640 feet from site

Onsite Groundwater Concentration Trends

Based upon review of historical analytical groundwater data, chemical concentrations in groundwater samples from onsite monitoring wells indicate generally decreasing dissolved-phase concentrations. Results for analytes with the lab flag “I” are between the report limit and method detection limit. For benzene, total BTEX, and MTBE concentrations, the following trends have been observed for onsite monitoring wells:

- Monitoring well MW-02: Benzene concentrations have generally remained below the detection limits from January 6, 2004 to November 3, 2011. Total BTEX concentrations have generally remained below the detection limits from January 6, 2004 to November 3, 2011. MTBE concentrations have decreased from 8.9 µg/L on January 6, 2004 to 0.31 µg/L on November 3, 2011.
- Monitorin well MW-04: Benzene concentrations have decreased from a concentration of 3.9 µg/L on January 6, 2004 to below the detection limits on November 3, 2011. Total BTEX concentrations have decreased from a concentration of 5.5 µg/L on January 6, 2004 to below the detection limits on November 3, 2011. MTBE concentrations have decreased from a concentration of 49.3 µg/L on January 6, 2004 to 1.1 µg/L on November 3, 2011.

- Recovery well RW-01: Benzene concentrations have decreased from a concentration of 17.4 µg/L on January 6, 2004 to a concentration of 1.1 µg/L on February 1, 2012. Total BTEX concentrations have decreased from a concentration 62.2 µg/L on January 6, 2004 to 24.4 µg/L on February 1, 2012. MTBE concentrations have decreased from a concentration 156 µg/L on January 6, 2004 to 2.9 µg/L on February 1, 2012.
- Recovery well RW-03: Benzene concentrations have generally remained below the detection limit of 22 µg/L on January 6, 2004 to 1.1 µg/L on Febrary 1, 2012. Total BTEX concentrations have decreased from a concentration of 191 µg/L on January 6, 2004 to 18.92 µg/L on February 1, 2012. MTBE concentrations have decreased from a concentration of 67,600 µg/L on January 6, 2004 to 3.0 µg/L on February 1, 2012.
- Recovery well RW-10: Benzene concentrations have decreased from a concentration of 354 µg/L on April 5, 2004 to 14.3 µg/L on February 1, 2012. Total BTEX concentrations have decreased from a concentration of 898 µg/L on April 5, 2004 to 26.42 µg/L on February 1, 2012. MTBE concentrations have decreased from a concentration of 43,500 µg/L on April 5, 2004 to 16.1 µg/L on February 1, 2012.
- Tank field well TF-01: Benzene concentrations have decreased from a maximum of 265 µg/L on April 13, 2005 to 0.46 I µg/L on May 17, 2010. Total BTEX concentrations have decreased from a maximum of 867.7 µg/L on April 13, 2005 to 0.46 µg/L on May 17, 2010. MTBE concentrations have decreased from a maximum of 93,500 µg/L on August 17, 2005 to 0.56 µg/L on May 17, 2010
- Tank field well TF-02: Benzene concentrations have decreased from a maximum of 481 µg/L on April 13, 2005 to 0.28 I µg/L on May 17, 2010. Total BTEX concentrations have decreased from a maximum of 1,524 µg/L on April 13, 2005 to 0.61 µg/L on May 17, 2010. MTBE concentrations have decreased from a maximum of 148,000 µg/L on October 5, 2004 to 0.9 µg/L on May 17, 2010.

Offsite Groundwater Concentration Trends

80-240 feet from Site

Based upon review of historical analytical groundwater data, chemical concentrations in groundwater samples from monitoring wells located 80-240 feet from the Site indicate generally decreasing dissolved-phase concentrations and concentrations below detection limits at well locations for benzene, BTEX, and MTBE. For benzene, total BTEX, and MTBE concentrations, the following trends have been observed for monitoring wells located 80-240 feet from the Site:

- Monitoring well MW-05D: Benzene concentrations have remained constant, with a 0.3 µg/L concentration on April 5, 2004 to below the detection limit of 1.0 µg/L on November 1, 2011. Total BTEX concentrations have remained constant, with a 0.99 µg/L concentration on April 5, 2004 to below the detection limit of 4.0 on November 1, 2011. MTBE concentrations have decreased from 241 µg/L on April 5, 2004 to an estimated value of 0.72 on November 1, 2011.
- Monitoring well MW-05R: Benzene concentrations have generally remained below the detection limits from July 8, 2004 to November 1, 2011. Total BTEX concentrations have remained constant, with a 0.21 µg/L concentration on July 8, 2004 to below the detection limit of 4.0 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 61.8 µg/L on July 8, 2004 to an estimated value of 0.27 on November 1, 2011.
- Monitoring well MW-05S: Benzene concentrations have decreased from a concentration of 9.2 µg/L on January 6, 2004 to an estimated value of 0.24 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 10.5 µg/L on January 6, 2004 to 0.24 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 7,630 µg/L on January 6, 2004 to 679 µg/L on November 1, 2011.
- Monitoring well MW-07D: Benzene concentrations have generally remained below the detection limits from April 5, 2004 to November 1, 2011. Total BTEX concentrations have generally remained below the detection limits from April 5, 2004 to November 1, 2011. MTBE concentrations have decreased from a concentration of 9.5 µg/L on April 5, 2004 to below the detection limits on November 1, 2011.
- Monitoring well MW-07S: Benzene concentrations have generally remained below the detection limits from April 5, 2004 to November 1, 2011. Total BTEX concentrations have

generally remained below the detection limits from April 5, 2004 to November 1, 2011. MTBE concentrations have decreased from a concentration of 189 µg/L on April 5, 2004 to 32.3 µg/L on November 1, 2011.

- Monitoring well MW-09D: Benzene concentrations have generally remained below the detection limits from April 5, 2004 to November 2, 2011. Total BTEX concentrations have generally remained below the detection limits from April 5, 2004 to November 2, 2011. MTBE concentrations have decreased from a concentration of 3 µg/L on April 5, 2004 to below the detection limit of 1 µg/L on November 2, 2011.
- Monitoring well MW-09S: Benzene concentrations have generally remained below the detection limits from April 5, 2004 to November 2, 2011. Total BTEX concentrations have generally remained below the detection limits from April 5, 2004 to November 2, 2011. MTBE concentrations have decreased from a concentration of 0.66 µg/L on April 5, 2004 to below detection limits on November 2, 2011.
- Monitoring well MW-11D: Benzene concentrations have generally remained below the detection limits from July 8, 2004 to November 1, 2011. Total BTEX concentrations have generally remained below the detection limit from July 8, 2004 to November 1, 2011. MTBE concentrations have decreased from a concentration of 62.2 µg/L on July 8, 2004 to an estimated concentration of 0.33 µg/L on November 1, 2011.
- Monitoring well MW-11R: Benzene concentrations have generally remained below the detection limits from July 1, 2004 to November 1, 2011. Total BTEX concentrations have generally remained below the detection limits from July 1, 2004 to November 1, 2011. MTBE concentrations have decreased from a concentration of 26.4 µg/L on July 1, 2004 to an estimated concentration of 0.43 µg/L on November 1, 2011.
- Monitoring well MW-11S: Benzene concentrations have decreased from a concentration of 14.1 µg/L on July 8, 2004 to 1.1 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration 14.1 µg/L on July 8, 2004 to 1.1 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 12,000 µg/L on July 8, 2004 to 943 µg/L on November 1, 2011.

<u>240-640 feet from The Site</u>

Based upon review of historical analytical groundwater data, chemical concentrations in groundwater samples from monitoring wells located 240-640 feet from the Site indicate generally decreasing dissolved-phase concentrations and concentrations below detection limits at well locations for benzene, BTEX, and MTBE. Results for analytes with the lab flag “I” are between the report limit and method detection limit. For benzene, total BTEX, and MTBE concentrations, the following trends have been observed for monitoring wells located 240-640 feet from the Site:

- Monitoring well 750 BND: Benzene concentrations have generally remained below the detection limits from June 22, 2005 to November 2, 2011. Total BTEX concentrations generally remained below the detection limits from June 22, 2005 to November 2, 2011. MTBE concentrations have decreased from a maximum concentration of 1,660 µg/L on March11, 2010 to 136 µg/L on November 2, 2011.
- Monitoring well 750 BNS: Benzene concentrations have remained below detection limits from June 22, 2005 to August 9, 2011. Total BTEX concentrations have generally remained below detection limits from June 22, 2005 to August 9, 2011. MTBE concentrations have decreased from a maximum concentration of 3.13 µg/L on March 30, 2006 to an estimated value of 0.64 µg/L on August 9, 2011.
- Monitoring well 750 BNR: Benzene concentrations have generally remained below detection limits from October 3, 2003 to November 2, 2011. Total BTEX concentrations have remained constant, with a 0.23 µg/L concentration on June 22, 2005 to 0.291 µg/L on November 2, 2011. MTBE concentrations have decreased from 51 µg/L on October 3, 2003 to 39.4 µg/L on November 2, 2011.
- Monitoring well MW-06D: Benzene concentrations have increased from below the detection limits on April 5, 2004 to 5.7 µg/L on November 2, 2011. Total BTEX concentrations have decreased from a maximum concentration of 119.7 µg/L on October 4, 2004 to 6.14 µg/L on November 2, 2011. MTBE concentrations have decreased from a maximum concentration of 19,000 µg/L on June 24, 2008 to 3,950 µg/L on November 2, 2011.

- Monitoring well MW-06R: Benzene concentrations have generally remained below the detection limits from July 8, 2004 to November 1, 2011. Total BTEX concentrations have decreased from a concentration of 76.6 µg/L on July 8, 2004 to below the detection limit of 4.0 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 74.9 µg/L on July 8, 2004 to an estimated value of 0.6 µg/L on November 1, 2011.
- Monitoring well MW-06S: Benzene concentrations have generally remained below the detection limits from January 6, 2004 to November 2, 2011. Total BTEX concentrations have also generally remained below the detection limits from January 6, 2004 to November 2, 2011. MTBE concentrations have decreased from a concentration of 135 µg/L on January 6, 2004 to 29.1 µg/L on November 2, 2011.
- Monitoring well MW-08D: Benzene concentrations have remained stable with a concentration of 2.525 µg/L on February 20, 2009 and 2.1 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a maximum concentration of 17.345 µg/L on February 20, 2009 to 6.1 µg/L on November 1, 2011. MTBE concentrations have increased from a concentration of 80 µg/L on April 5, 2004 to 3,110 µg/L on November 1, 2011.
- Monitoring well MW-08S: Benzene concentrations have generally remained below the detection limits from April 5, 2004 to November 1, 2011. Total BTEX concentrations have generally remained below the detection limits from April 5, 2004 to November 1, 2011. MTBE concentrations have decreased from a concentration of 15.6 µg/L on April 5, 2004 to 8.0 µg/L on November 1, 2011.
- Monitoring well MW-12: Benzene concentrations have decreased from a concentration 3.96 µg/L on June 22, 2007 to an estimated concentration of 0.78 µg/L on November 2, 2011. Total BTEX concentrations have decreased from 9.31 µg/L on June 22, 2007 to 0.78 µg/L on November 2, 2011. MTBE concentrations have decreased from a maximum concentration of 11,000 µg/L on March 25, 2008 to 2,960 µg/L on November 2, 2011.
- Monitoring well MW-13D: Benzene concentrations have decreased from a concentration 9.753 µg/L on November 25, 2008 to an estimated concentration of 0.4 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 12.86 µg/L on November 25, 2008 to an estimated concentration of 0.4 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 759.4 µg/L on November 25, 2008 to 216 µg/L on November 1, 2011.
- Monitoring well MW-13S: Benzene concentrations have decreased from a concentration of 29.33 µg/L on November 25, 2008 to 14.9 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 33.964 µg/L on November 25, 2008 to 16.4 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 5,527 µg/L on November 25, 2008 to 4,180 µg/L on November 1, 2011.
- Monitoring well MW-14D: Benzene concentrations have decreased from a concentration of 85.08 µg/L on November 25, 2008 to 48.1 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 110.27 µg/L on November 25, 2008 to 61 µg/L on November 1, 2011. MTBE concentrations have increased from a concentration of 1,099 µg/L on November 25, 2008 to 2,180 µg/L on November 1, 2011.
- Monitoring well MW-14S: Benzene concentrations have decreased from a concentration 32.19 µg/L on November 25, 2008 to 4.5 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration 42.36 µg/L on November 25, 2008 to 6.7 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration 6,667 µg/L on November 25, 2008 to 1,820 µg/L on November 1, 2011.
- Monitoring well MW-15D: Benzene concentrations have decreased from below a maximum concentration of 2.7 µg/L on February 17, 2011 to an estimated concentration of 0.95 µg/L on November 1, 2011. Total BTEX concentrations have also decreased from a maximum concentration of 2.7 µg/L on February 17, 2011 to an estimated concentration of 0.95 µg/L on November 1, 2011. MTBE concentrations have decreased from a maximum concentration of 768 µg/L on September 27, 2010 to 547 µg/L on November 1, 2011.
- Monitoring well MW-15S: Benzene concentrations have decreased from a concentration of 62.88 µg/L on November 25, 2008 to 12.6 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 80.57 µg/L on November 25, 2008 to 16.4 µg/L on November 1, 2011. MTBE concentrations have decreased from a concentration of 8,463 µg/L on November 25, 2008 to 3,590 µg/L on November 1, 2011.

- Monitoring well MW-16D: Benzene concentrations have decreased from a maximum concentration below of 78.9 µg/L on September 27, 2010 to 2.5 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a maximum concentration of 90.9 µg/L on September 27, 2010 to 2.93 µg/L on November 1, 2011. MTBE concentrations have decreased from a maximum concentration of 3,060 µg/L on September 27, 2010 to 471 µg/L on November 1, 2011.
- Monitoring well MW-16S: Benzene concentrations have decreased from a concentration of 87.87 µg/L on May 7, 2009 to 19.8 µg/L on November 1, 2011. Total BTEX concentrations have decreased from a concentration of 118.67 µg/L on May 7, 2009 to 21.4 µg/L on November 1, 2011. MTBE concentrations have decreased from a maximum concentration of 4,410 µg/L on August 11, 2011 to 3,130 µg/L on November 1, 2011.
- Monitoring well MW-17D: Benzene concentrations have decreased from a maximum concentration of 17 µg/L on June 3, 2011 to 8.3 µg/L on November 2, 2011. Total BTEX concentrations have decreased from a maximum concentration of 17.31 µg/L on June 3, 2011 to 8.61 µg/L on November 2, 2011. MTBE concentrations have decreased from a maximum concentration of 540 µg/L on September 27, 2010 to 250 µg/L on November 2, 2011.
- Monitoring well MW-17S: Benzene concentrations have decreased from a maximum concentration of 54.3 µg/L on December 3, 2010 to 20 µg/L on November 2, 2011. Total BTEX concentrations have decreased from a maximum concentration of 58.72 µg/L on December 3, 2010 to 21.1 µg/L on November 2, 2011. MTBE concentrations have generally remained stable with a concentration of 971.3 µg/L on May 7, 2009 and 827 µg/L on November 2, 2011.
- Monitoring well MW-17W: Benzene concentrations have decreased from a concentration of 1.06 µg/L on May 7, 2009 to below detection limits on November 2, 2011. Total BTEX concentrations have decreased from a concentration of 4.21 µg/L on May 7, 2009 to below detection limits on November 2, 2011. MTBE concentrations have decreased from a concentration of 67.23 µg/L on May 7, 2009 to 49.6 µg/L on November 2, 2011.
- Monitoring well MW-18: Benzene concentrations have generally remained below detection limits from May 7, 2009 to November 1, 2011. Total BTEX concentrations have decreased from a concentration of 2.68 µg/L on May 7, 2009 to 1.8 µg/L on November 1, 2011. MTBE concentrations have increased from a concentration of 800.8 µg/L on May 7, 2009 to 2,080 µg/L on November 1, 2011.
- Monitoring well MW-24D: Benzene concentrations have remained below detection limits from December 6, 2010 to Febrary 2, 2012. Total BTEX concentrations have remained below detection limits from December 6, 2010 to February 2, 2012. MTBE concentrations have decreased from 36.9 µg/L on December 6, 2010 to 10.5 µg/L on February 2, 2012.
- Monitoring well MW-24S: Benzene concentrations have generally remained stable with a concentration of 1.83 µg/L on December 6, 2010 and 3.3 µg/L on February 2, 2012. Total BTEX concentrations have generally remained stable with a concentration of 1.83 µg/L on December 6, 2010 and 3.3 µg/L on February 2, 2012. MTBE concentrations have generally remained stable with a concentration of 261 µg/L on December 6, 2010 and 275 µg/L on February 2, 2012.
- Monitoring well MW-25D: Benzene concentrations have remained below detection limits from December 6, 2010 to February 2, 2012. Total BTEX concentrations have remained below detection limits from December 6, 2010 to Febraury 2, 2012. MTBE concentrations have decreased from 102 µg/L on December 6, 2010 to 86.3 µg/L on February 2, 2012.
- Monitoring well MW-25S: Benzene concentrations have decreased from 4.0 I µg/L on December 6, 2010 to an estimated concentration of 0.48 µg/L on February 2, 2012. Total BTEX concentrations have decreased from 4 µg/L on December 6, 2010 to an estimated concentration of 0.48 µg/L on February 2, 2012. MTBE concentrations have decreased from 291 µg/L on December 6, 2010 to 28.4 µg/L on February 2, 2012.
- Monitoring well MW-26D: Benzene concentrations have generally remained stable with a concentration below the detection limit of 2.49 µg/L on December 6, 2010 and an estimated concentration of 2.3 µg/L on February 2, 2012. Total BTEX concentrations have decreased from a concentration of 13.36 µg/L on December 6, 2010 to an estimated concentration of 2.3 µg/L on February 2, 2012. MTBE concentrations have generally remained stable with a concentration of 1,260 µg/L on December 6, 2010 and 1,450 µg/L on February 2, 2012.

- Monitoring well MW-26S: Benzene concentrations have remained below detection limits from December 6, 2010 to February 2, 2012. Total BTEX concentrations have remained below detection limits from December 6, 2010 to February 2, 2012. MTBE concentrations have decreased from 96.7 µg/L on December 6, 2010 to 51.2 µg/L on February 2, 2012.
- Recovery well RW-19: Benzene concentrations have generally remained stable with a concentration of 2.82 µg/L on September 27, 2010 and 2.6 µg/L on February 1, 2012. Total BTEX concentrations have generally remained stable with a concentration of 4.22 µg/L on September 27, 2010 and 3.13 µg/L on February 1, 2012. MTBE concentrations have increased from 294 µg/L on September 27, 2010 to 760 µg/L on February 1, 2012.
- Recovery well RW-20: Benzene concentrations have generally remained stable with a concentration below the detection limit of 12.5 µg/L on December 6, 2010 and a concentration of 3.0 µg/L on February 1, 2012. Total BTEX concentrations have generally remained stable with a concentration below the detection limit of 67 µg/L on December 6, 2010 and a concentration of 3.0 µg/L on February 1, 2012. MTBE concentrations have decreased from a maximum of 5,430 µg/L on December 6, 2010 to 1,200 µg/L on February 1, 2012.
- Recovery well RW-21: Benzene concentrations have generally remained stable from below the detection limit of 4.99 µg/L on December 6, 2010 to 2.1 µg/L on February 1, 2012. Total BTEX concentrations have generally remained stable from below the detection limit of 26.75 µg/L on December 6, 2010 to 2.1 µg/L on February 1, 2012. MTBE concentrations have decreased from a maximum of 1,420 µg/L on December 6, 2010 to 392 µg/L on February 1, 2012.
- Recovery well RW-22: Benzene concentrations have decreased from a concentration of 25.7 µg/L on September 27, 2010 to an estimated concentration of 3.9 µg/L on February 1, 2012. Total BTEX concentrations have decreased from a concentration 36.2 µg/L on September 27, 2010 to an estimated concentration of 3.9 µg/L on February 1, 2012. MTBE concentrations have decreased from a concentration of 12,900 µg/L on September 27, 2010 to 5,320 µg/L on February 1, 2012.
- Recovery well RW-23: Benzene concentrations have generally remained stable from 12.7 µg/L on December 6, 2010 to 13.7 µg/L on February 1, 2012. Total BTEX concentrations have generally remained stable with a concentration of 12.7 µg/L on December 6, 2010 and 17.1 µg/L on February 1, 2012. MTBE concentrations have generally remained stable with a concentration of 2,300 µg/L on May 20, 2011 and 2,390 µg/L on February 1, 2012.

Greater than 640 feet from The Site

Based upon review of historical analytical groundwater data, chemical concentrations in groundwater samples from monitoring wells located greater than 640 feet from the Site indicate generally decreasing dissolved-phase concentrations and concentrations below detection limits for benzene, BTEX, and MTBE. For benzene, total BTEX, and MTBE concentrations, the following trends have been observed for monitoring wells located greater than 640 feet from the Site:

- Monitoring well 710 BNR: Benzene concentrations have generally remained below the detection limits from October 18, 2003 to February 2, 2012. Total BTEX concentrations generally remained below the detection limits from October 18, 2003 to November 2, 2011. MTBE concentrations have remained stable with a concentration of 3.2 µg/L on October 18, 2003 to 1.3 µg/L on February 2, 2012.
- Monitoring well 711 BNR: Benzene concentrations have generally remained below detection limits from October 3, 2003 to February 2, 2012. Total BTEX concentrations generally remained below the detection limits from October 3, 2003 to February 2, 2012. MTBE concentrations have generally remained below the detection limits from October 3, 2003 to February 2, 2012.
- Monitoring well 720 BNR: Benzene concentrations have generally remained below the detection limits from October 18, 2003 to February 2, 2012. Total BTEX concentrations generally remained below the detection limits from October 18, 2003 to February 2, 2012. MTBE concentrations have decreased from a concentration of 21 µg/L on October 18, 2003 to an estimated concentration of 0.35 µg/L on February 2, 2012.
- Monitoring well 721 BNR: Benzene concentrations have generally remained below the detection limits from October 3, 2003 to February 2, 2012. Total BTEX concentrations

generally remained below the detection limits from October 3, 2003 to February 2, 2012. MTBE concentrations have decreased from a concentration of 2.5 µg/L on October 3, 2003 to below the detection limits on February 2, 2012.

- Monitoring well 730 BND: Benzene concentrations have generally remained stable with a concentration below the detection limits from October 1, 2010 to February 2, 2012. Total BTEX concentrations generally remained below the detection limits from October 1, 2010 to February 2, 2012. MTBE concentrations have remained generally stable with a concentration of 3.2 µg/L on October 1, 2010 and an concentration of 2.7 µg/L on February 2, 2012.
- Monitoring well 730 BNS: Benzene concentrations have remained below detection limits from October 1, 2010 to February 2, 2012. Total BTEX concentrations have remained below the detection limits from October 1, 2010 to February 2, 2012. MTBE concentrations have generally remained stable from a concentration of 2.86 µg/L on October 1, 2010 to 1.4 µg/L on February 2, 2012.

Groundwater concentration trend graphs for Site monitoring wells and former potable wells are included in Appendix A.

Potable Well Sampling

Potable well samples were collected from thirteen (13) homes on Bryants Nursery Road (BNR) (600 BNR, 601 BNR, 610 BNR, 611 BNR, 621 BNR, 640 BNR, 650 BNR, 651 BNR, 660 BNR, 661 BNR, 670 BNR, 700 BNR, and 701 BNR) on February 1, 2012, February 2, 2012, and February 6, 2012. The samples were submitted to Accutest Laboratories (New Jersey) under chain of custody for analysis of full list VOCs and oxygenates by EPA Method 524.2 and TPH-GRO and TPH-DRO by EPA Method 8015B. The following wells displayed detections above the reporting limit:

Well Identification	Sampling Date	Detected Compound	Concentration	MDE Groundwater Clean-up Concentration	Units
621 BNR	2/1/2012	Chloroform	0.58	80	ug/L
650 BNR	2/1/2012	MTBE	0.61	20	µg/L
700 BNR	2/1/2012	MTBE	0.97	20	µg/L
700 BNR	2/1/2012	TPH-DRO	214	47	µg/L
701 BNR	2/1/2012	MTBE	0.51	20	µg/L

Although these analytes were detected above the reporting limit, all detections but TPH-DRO at 700 BNR were below their respective MDE Soil and Groundwater Cleanup Standards (revised June 2008). Benzene, toluene, ethylbenzene, xylenes, total BTEX, MTBE, TPH-GRO and TPH-DRO concentrations for the potable well sampling are presented on Figure 8. The analytical laboratory reports are presented in Appendix C.

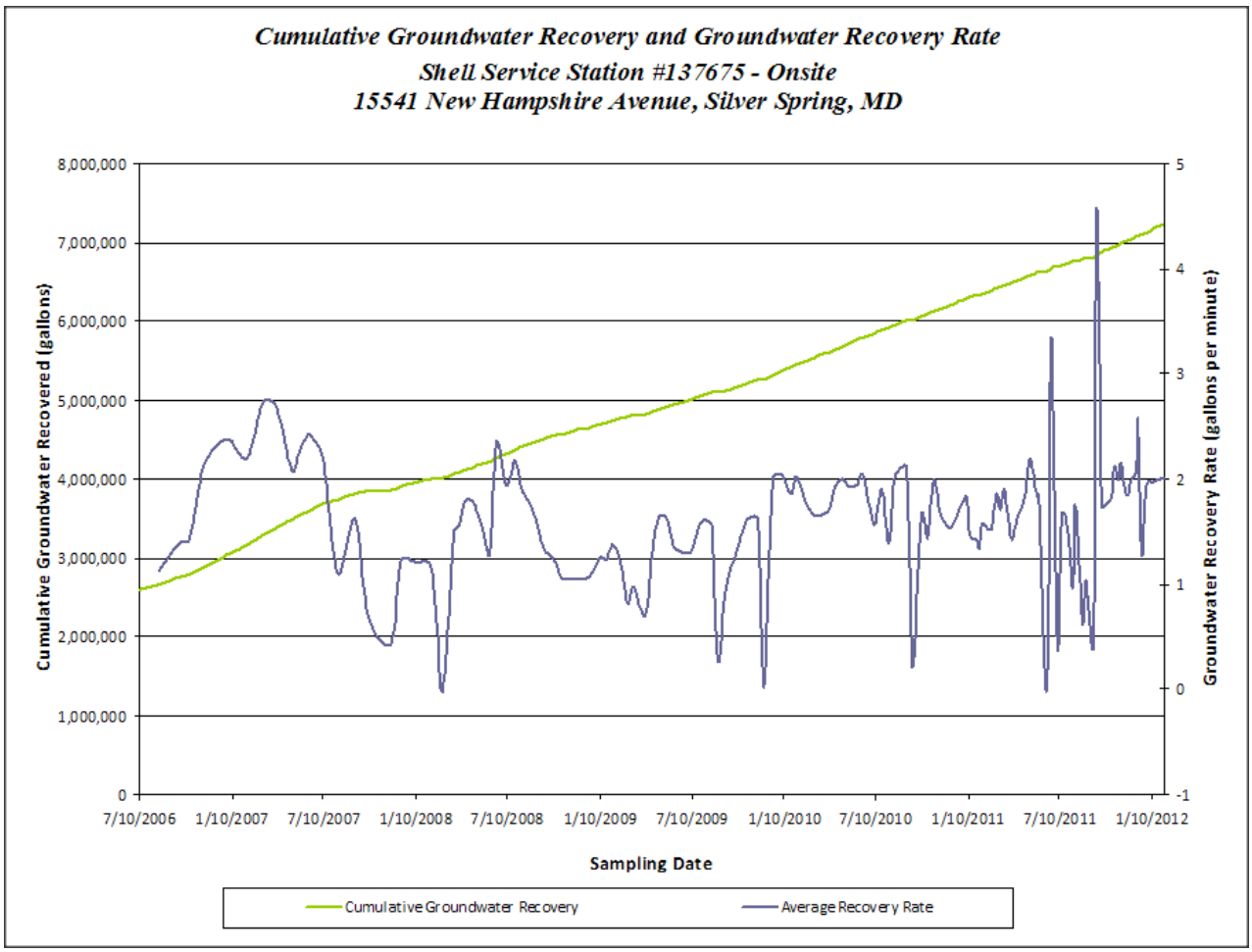
4.0 REMEDIATION SYSTEM OPERATION

Onsite Pump and Treat System

The onsite groundwater pump and treat system is connected to three (3) recovery wells (RW-01, RW-03, and RW-10). Each of the wells contains an electric submersible pump. The recovery wells are screened between 3 feet and 25 feet bgs. Recovered groundwater is treated through two (2) 2,000-pound liquid phase granular activated (LGAC) carbon units in series prior to discharge to the local storm sewer. The pump and treat system was initialized in July 2004 and was shut down with MDE approval on February 2, 2012.

During the First Quarter 2012, groundwater was recovered from recovery wells RW-01, RW-03, and RW-10. A total of 103,540 gallons of groundwater was recovered and treated by the system during the First Quarter 2012; since the system began operation, the system recovered and treated approximately 7,224,700 gallons of groundwater. Table 5 summarizes the cumulative groundwater recovery, average recovery rate, and operating recovery wells.

The below graph depicts the cumulative groundwater recovery and groundwater recovery rate since July 2006.



At the onsite location, system influent, mid-system, and effluent samples are collected to determine hydrocarbon recovery and treatment. Analytical results of these system samples are summarized in Table 4, and the laboratory analytical reports are included in Appendix E.

Since system startup in July 2004, influent groundwater concentrations have followed a generally decreasing trend.

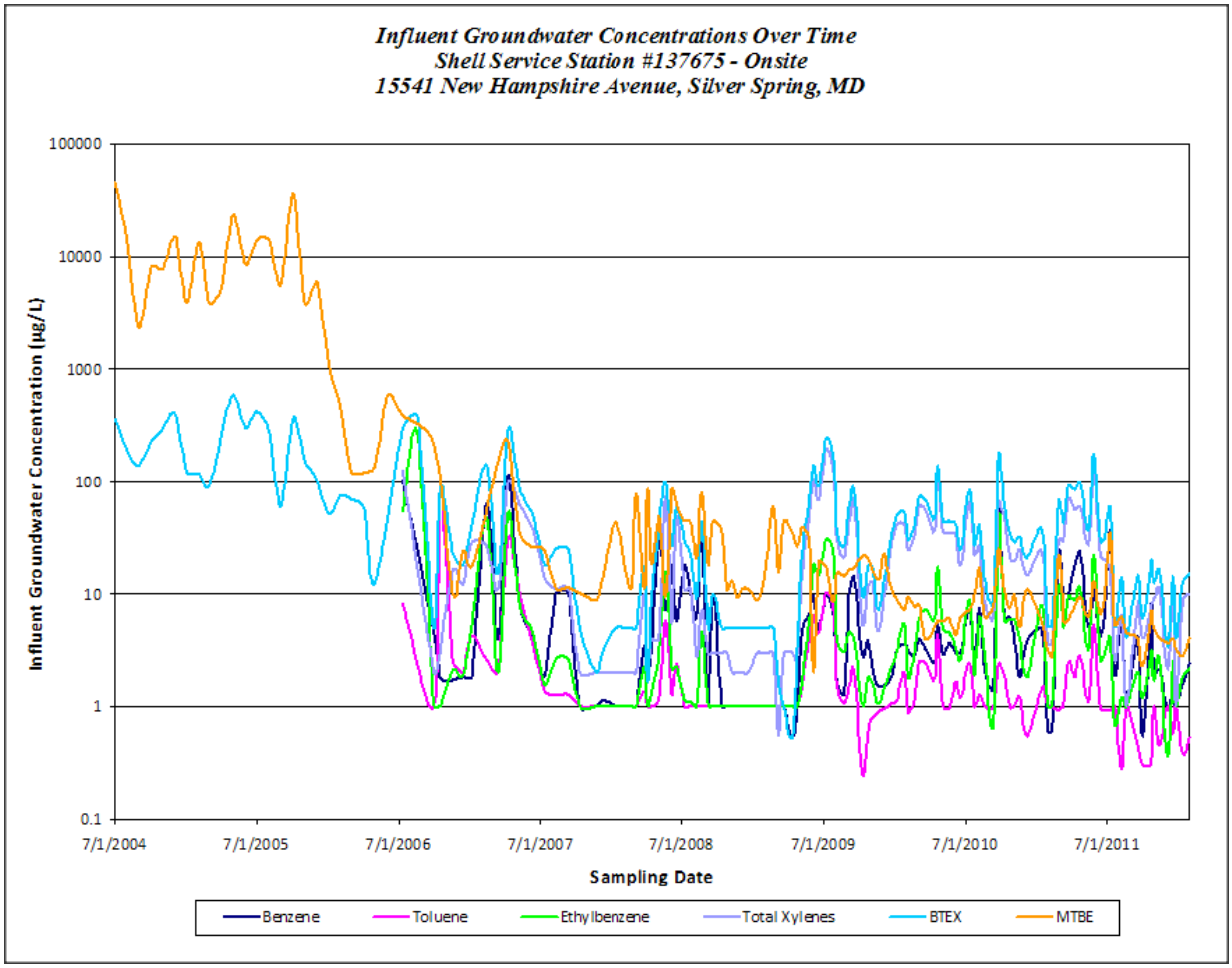
- Influent benzene concentrations have decreased from 102 µg/L on July 10, 2006 to 2.4 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent toluene concentrations decreased from 8.09 µg/L on July 10, 2006 to 0.53 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent ethylbenzene concentrations decreased from 53.4 µg/L on July 10, 2006 to 2.2 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent total xylene concentrations have decreased from 127 µg/L on July 10, 2006 to 10.0 µg/L on January 25, 2012 (the last sampling date prior to shutdown).

- Influent total BTEX concentrations have decreased from 363 µg/L on July 1, 2004 to 19.1 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent MTBE concentrations have decreased from 45,500 µg/L on July 1, 2004 to 4.0 µg/L on January 25, 2012 (the last sampling date prior to shutdown).

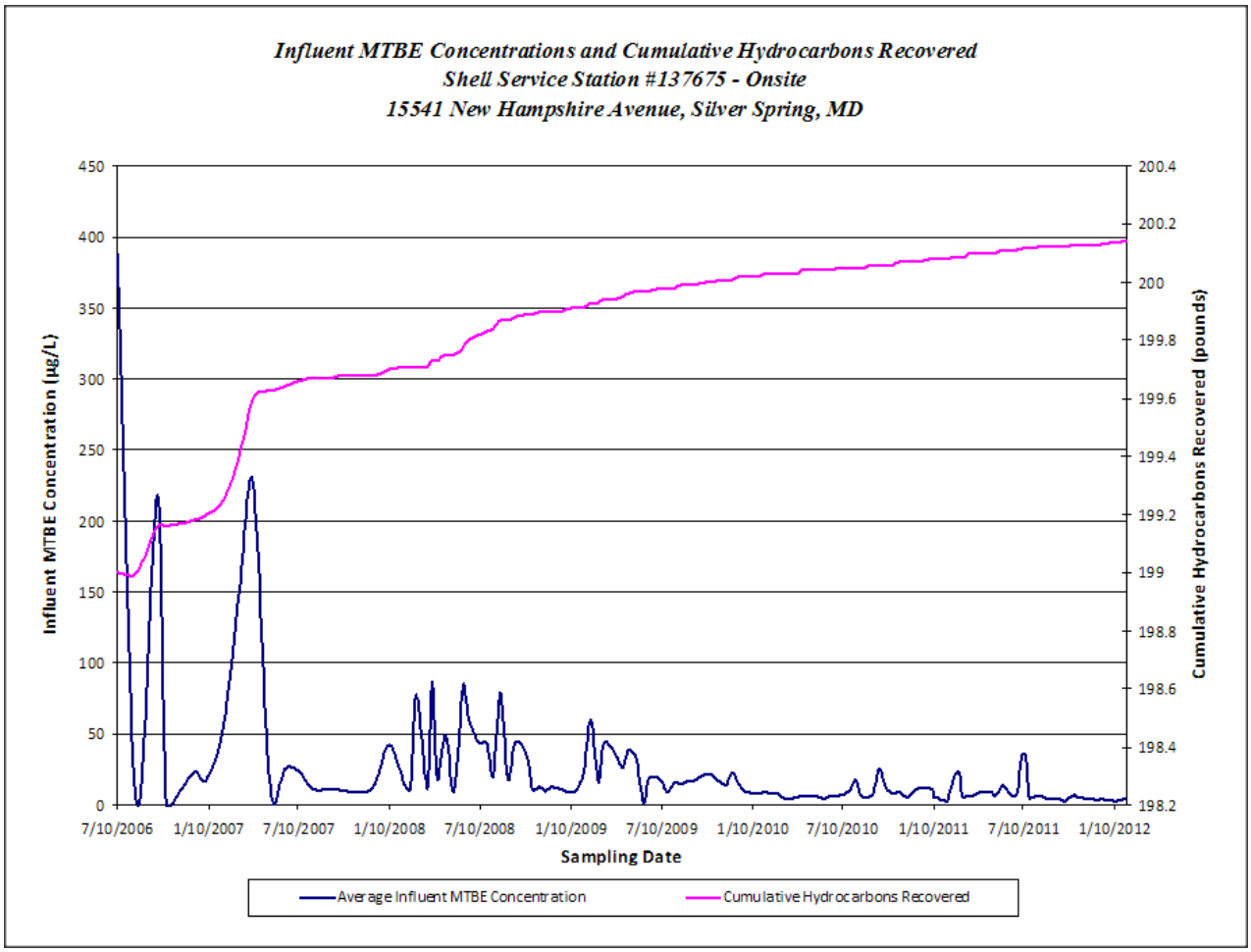
Recent influent trends have shown a more stable trend indicating that the onsite system has met its asymptotic limit.

- Influent benzene concentrations have remained generally stable from 3.11 µg/L on January 4, 2010 to 2.4 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent toluene concentrations remained generally stable from 1.12 µg/L on January 4, 2010 to 0.53 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent ethylbenzene concentrations remained generally stable from 3.01 µg/L on January 4, 2010 to 2.2 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent total xylene concentrations have remained generally stable from 41 µg/L on January 4, 2010 to 10.0 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent total BTEX concentrations have remained generally stable from 48.24 µg/L on January 4, 2010 to 19.1 µg/L on January 25, 2012 (the last sampling date prior to shutdown).
- Influent MTBE concentrations have remained generally stable from 9.01 µg/L on January 4, 2010 to 4.0 µg/L on January 25, 2012 (the last sampling date prior to shutdown).

The concentration trends of dissolved hydrocarbons in the influent groundwater samples can be observed on the below graph.



During the First Quarter 2012, approximately 0.01 pounds of MTBE were recovered in the dissolved phase; since the onsite system began operation, approximately 200.14 pounds of MTBE have been recovered in the dissolved phase from groundwater. Influent MTBE concentrations and cumulative hydrocarbons recovered are presented in the below graph.

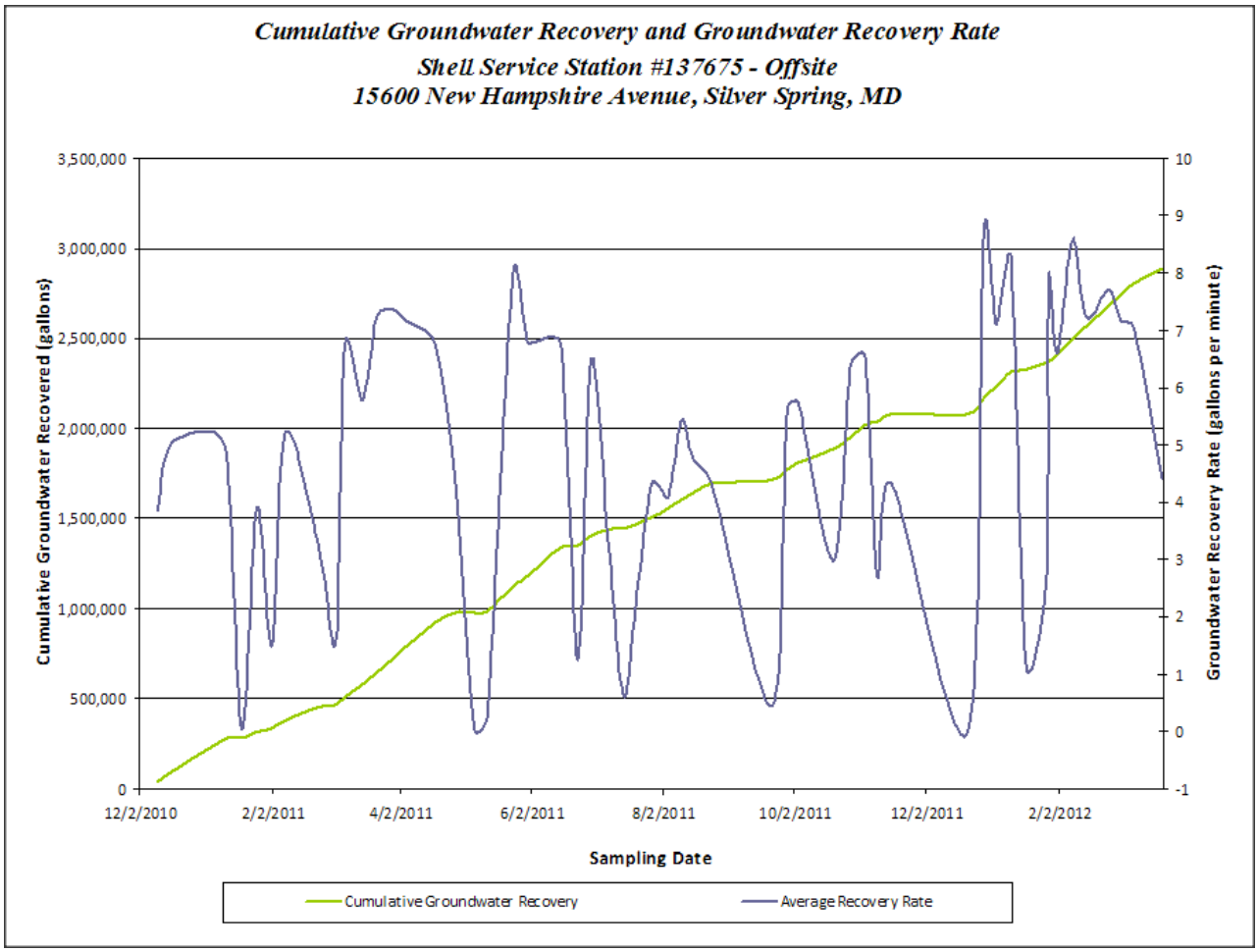


Offsite Pump and Treat System

The offsite groundwater pump and treat system is connected to five wells (RW-19 through RW-23). The recovery wells are screened between 10 and 65 feet bgs. Each well contains an electric submersible pump, which is designed to transfer fluids to the equalization (EQ) tank located inside the offsite groundwater pump and treat system trailer. After accumulating in the EQ tank, recovered groundwater is then pumped through two (2) bag filters, an air stripper, two (2) additional bag filters, and three (3) 500-pound granular activated carbon vessels in series before discharging to the storm sewer. The pump and treat system was initialized in December 2010.

During the First Quarter 2012, groundwater was recovered from recovery wells RW-19 through RW-23. A total of 713,965 gallons of groundwater was recovered and treated by the system during the First Quarter 2012; since the system began operation, the system has recovered and treated approximately 2,885,334 gallons of groundwater. Table 7 summarizes the cumulative groundwater recovery, average recovery rate, and operating recovery wells.

The below graph depicts the cumulative groundwater recovery and groundwater recovery rate since the system began operation in December 2010.

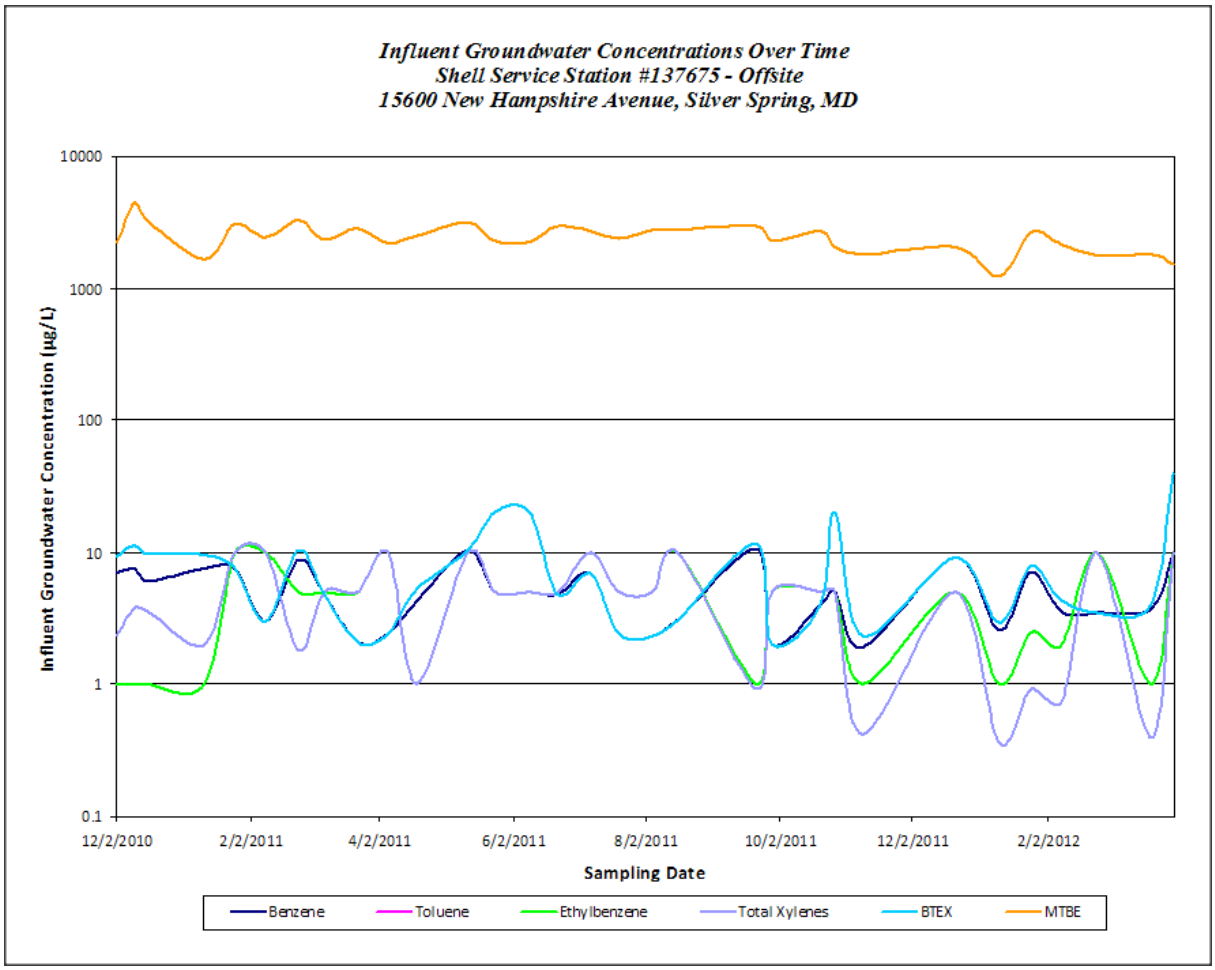


At the offsite location, system influent, mid-system 1, mid-system 2, mid-system 3, and effluent samples are collected to determine hydrocarbon recovery and treatment. Analytical results of these system samples are summarized in Table 6, and the laboratory analytical reports are included in Appendix D.

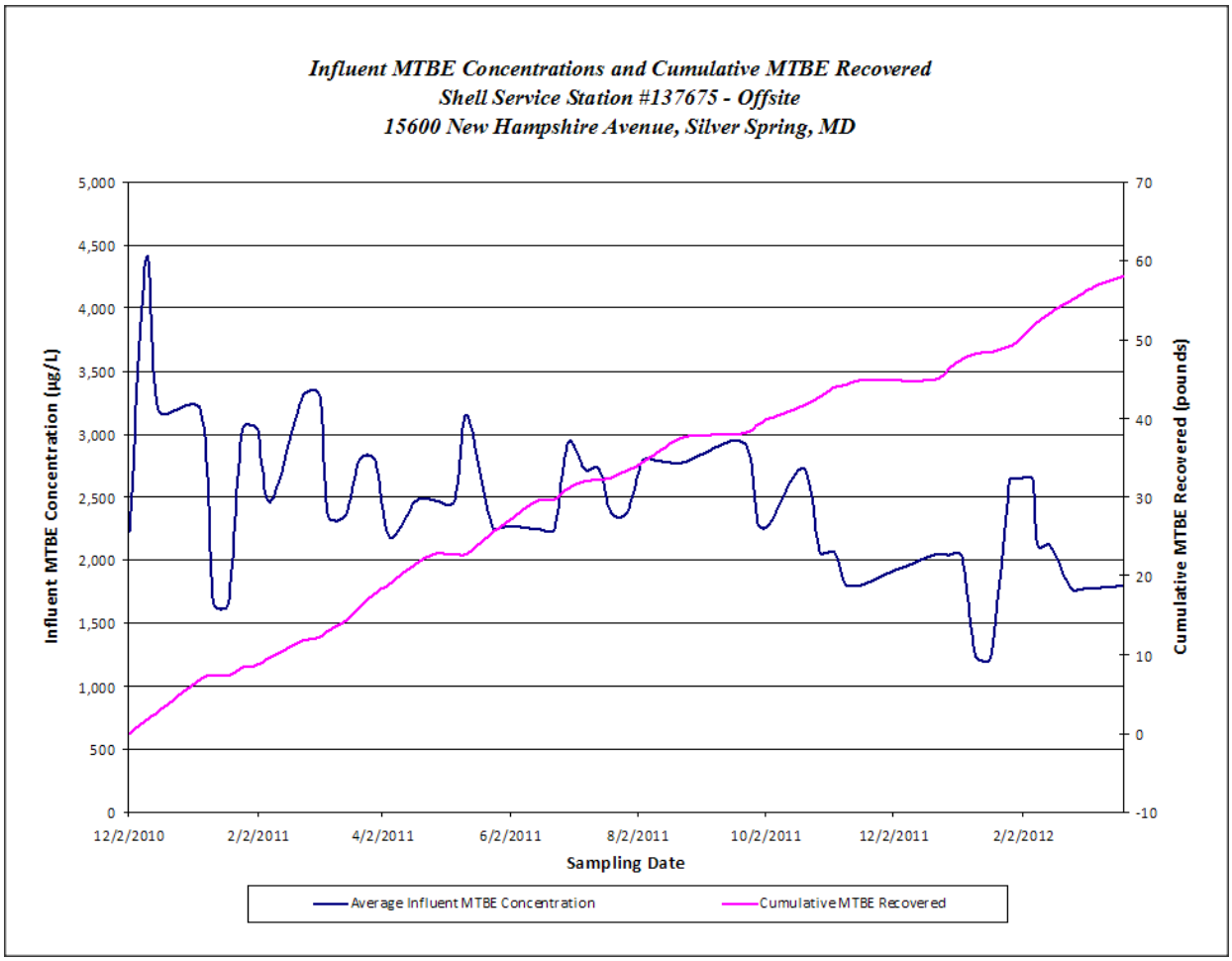
Since system startup in December 2010, influent groundwater concentrations have generally remained consistent.

- Influent benzene concentrations have decreased from a concentration of 7.08 µg/L on December 2, 2010 to below the detection limit on March 30, 2012.
- Influent toluene concentrations have remained below the detection limits from December 2, 2010 through March 30, 2012.
- Influent ethylbenzene concentrations have remained below the detection limits from December 2, 2010 through March 30, 2012.
- Influent total xylene concentrations have decreased from 2.35 µg/L on December 2, 2010 to below the detection limits on March 30, 2012.
- Influent total BTEX concentrations have decreased from a concentration of 9.43 µg/L on December 2, 2010 to below the detection limit on March 30, 2012.
- Influent MTBE concentrations have remained stable with a concentration of 2,230 µg/L on December 2, 2010 and 1,520 µg/L on March 30, 2012.

The concentration trends of dissolved-phase hydrocarbons in the influent groundwater samples can be observed on the below graph.



During the First Quarter 2012, approximately 11.64 pounds of MTBE were recovered in the dissolved phase; since the offsite system began operation, approximately 58.03 pounds of MTBE have been recovered in the dissolved phase from groundwater. Influent MTBE concentrations and cumulative MTBE recovered are presented in the below graph.



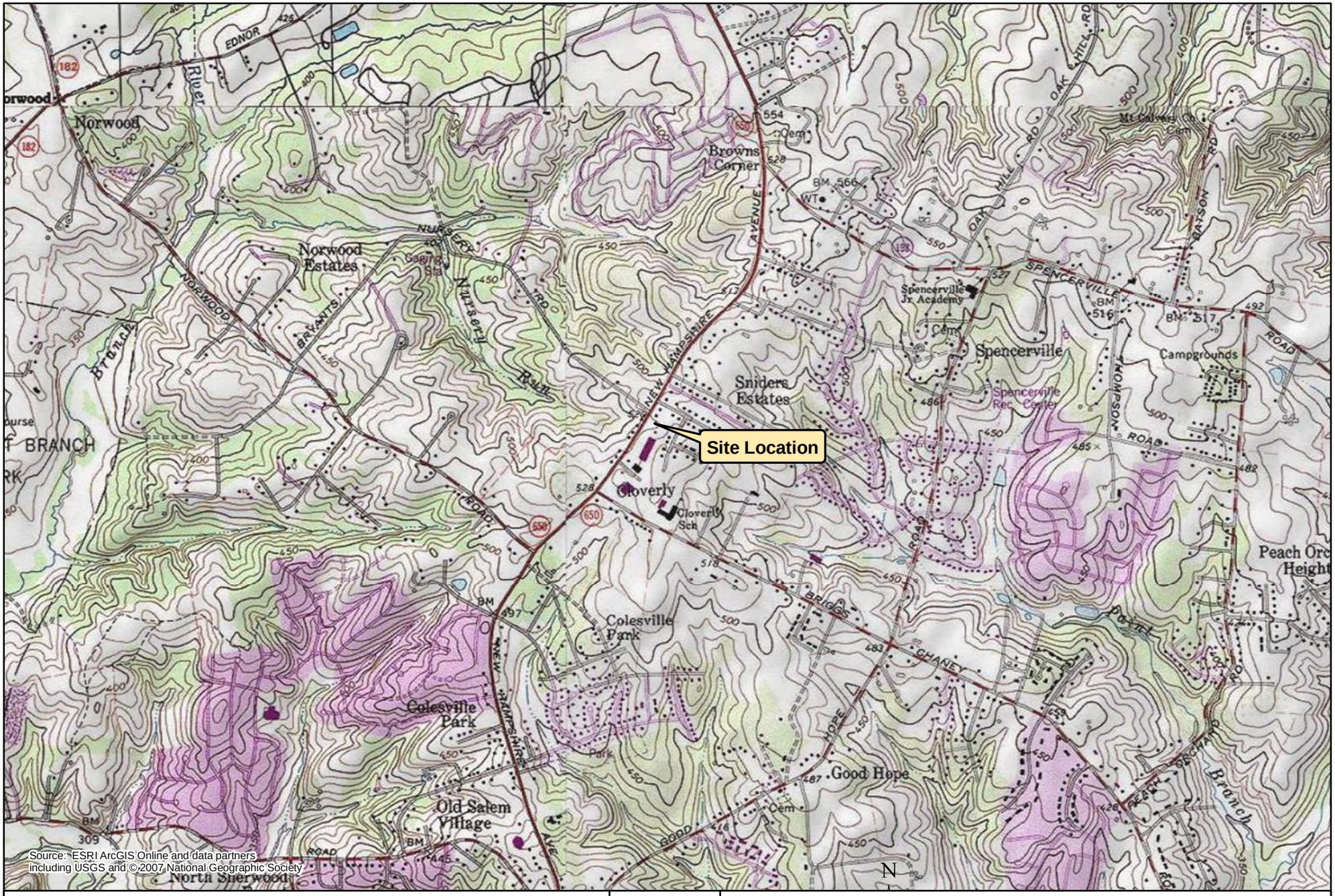
5.0 WORK PLANNED FOR SECOND QUARTER 2012

- Conduct quarterly groundwater gauging of all site monitoring wells.
- Conduct weekly O&M and bimonthly sampling of the offsite remediation system.
- Conduct weekly gauging of select offsite monitoring wells.
- Connect newly installed recovery well RW-27 to offsite remediation system.
- Install two sentinel monitoring wells in the right of way along Bryants Nursery Road close to the yard of the residence at 721 Bryants Nursery Road.

ATTACHMENTS

Figure 1	USGS Topographic Map
Figure 2	Local Area Map
Figure 3	Site Map
Figure 4	Hydraulic Gradient Map
Figure 5	Deep Overburden Groundwater Contour Map
Figure 6	Bedrock Groundwater Contour Map
Figure 7	Dissolved Phase Concentration Map
Figure 8	Potable Well Concentration Map
Table 1	Well Gauge Report
Table 2	Summary of Groundwater Analytical Results
Table 3	Potable Well Laboratory Analytical Results
Table 4	Onsite Groundwater Extraction Analytical Data
Table 5	Onsite Groundwater Extraction System Performance
Table 6	Offsite Groundwater Extraction Analytical Data
Table 7	Offsite Groundwater Extraction System Performance
Appendix A	Historical Dissolved-Phase Concentrations Graphs
Appendix B	Groundwater Elevation Trends - Weekly Gauged Wells
Appendix C	Groundwater and Potable Laboratory Analytical Reports
Appendix D	Onsite and Offsite System Laboratory Analytical Reports

FIGURES



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N

TITLE

USGS Topographic Map

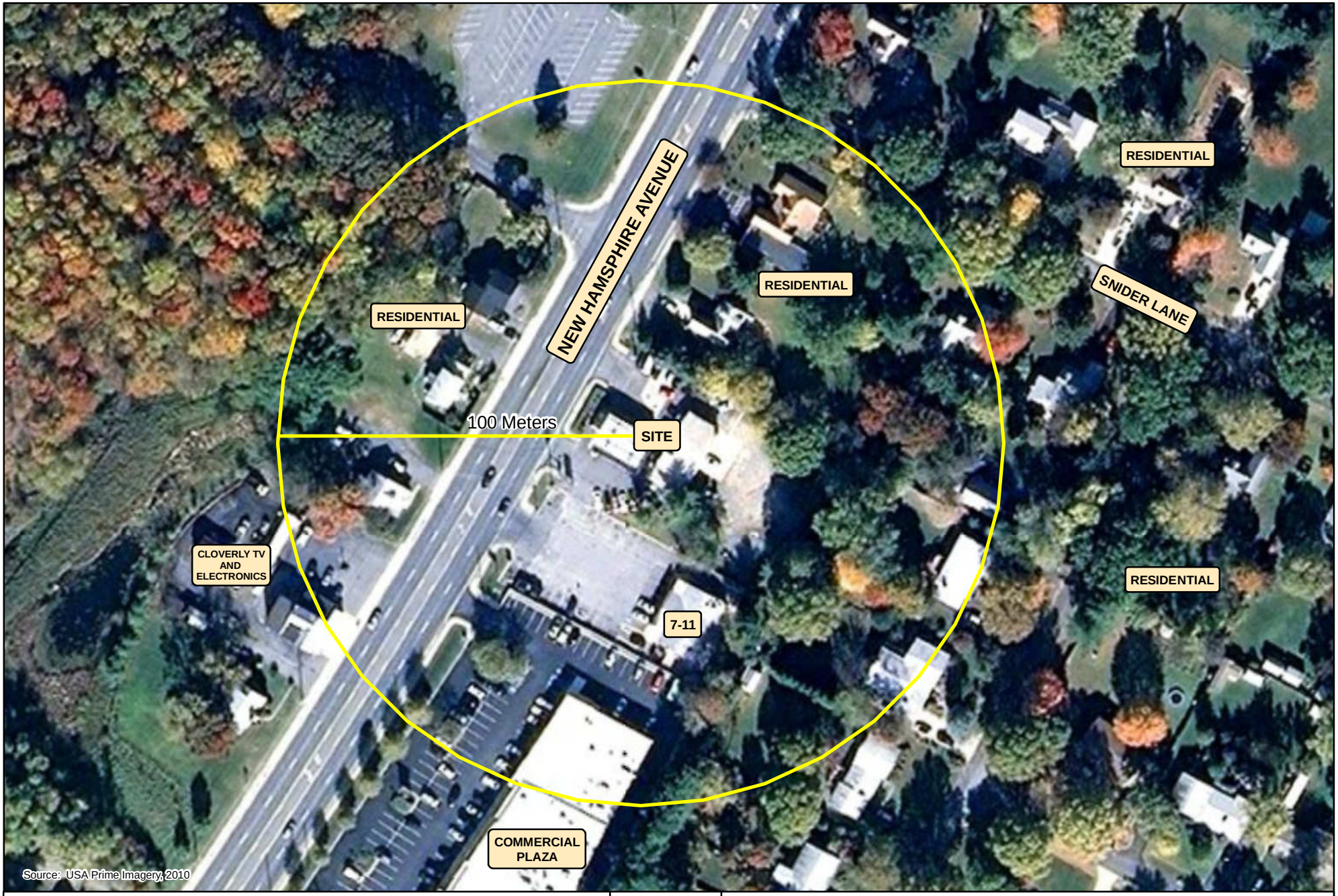
URS

12420 Milestone Center Dr
Germantown, MD 20876

Site Address:
15541 New Hampshire Avenue
Silver Spring, MD

FIGURE

1



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TITLE

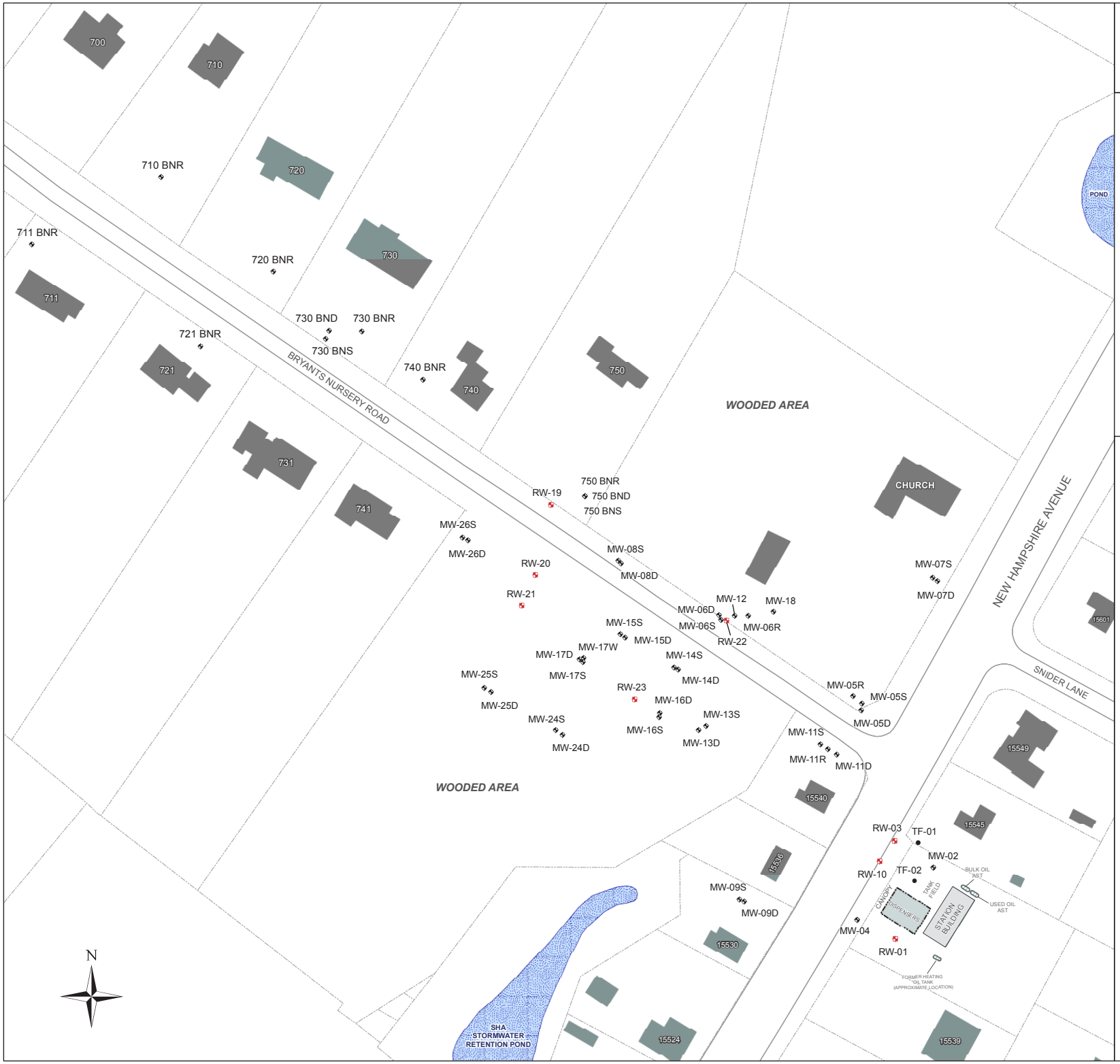
Local Area Map

URS

12420 Milestone Center Dr
Germantown, MD 20876

Site Address:
15541 New Hampshire Avenue
Silver Spring, MD

FIGURE
2



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Germantown, MD 20876

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Date: 03/11/2011
Created: JK
Checked: JA
Senior:

Legend

- Monitoring Well
- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb

0 40 80 160 Feet

1 inch = 80 feet

Figure 3
Site Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD

URS

12420 Milestone Center Drive
Germantown, MD 20876

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Senior:

Legend

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- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb

MW-02 Well ID
87.97 Groundwater Elevation (Feet)

Groundwater Contour (Feet) (dashed where inferred)

Groundwater Flow Direction

Note: Represents the shallow zone groundwater potentiometric map

NC - Not Calculated

NG - Not Gauged

Contour Interval - 5 feet

Data from: February 1, 2012

0 40 80 160 Feet

1 inch = 80 feet

Figure 4
Hyrdaulic Gradient Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD

URS

12420 Milestone Center Drive
Germantown, MD 20876

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Date: 03/05/2012
Created: JK
Checked: JA
Senior:

Legend

- Monitoring Well
- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb

MW-11D Well ID
86.13 Groundwater Elevation (Feet)

Groundwater Contour (Feet) (dashed where inferred)

Groundwater Flow Direction (under pumping conditions)

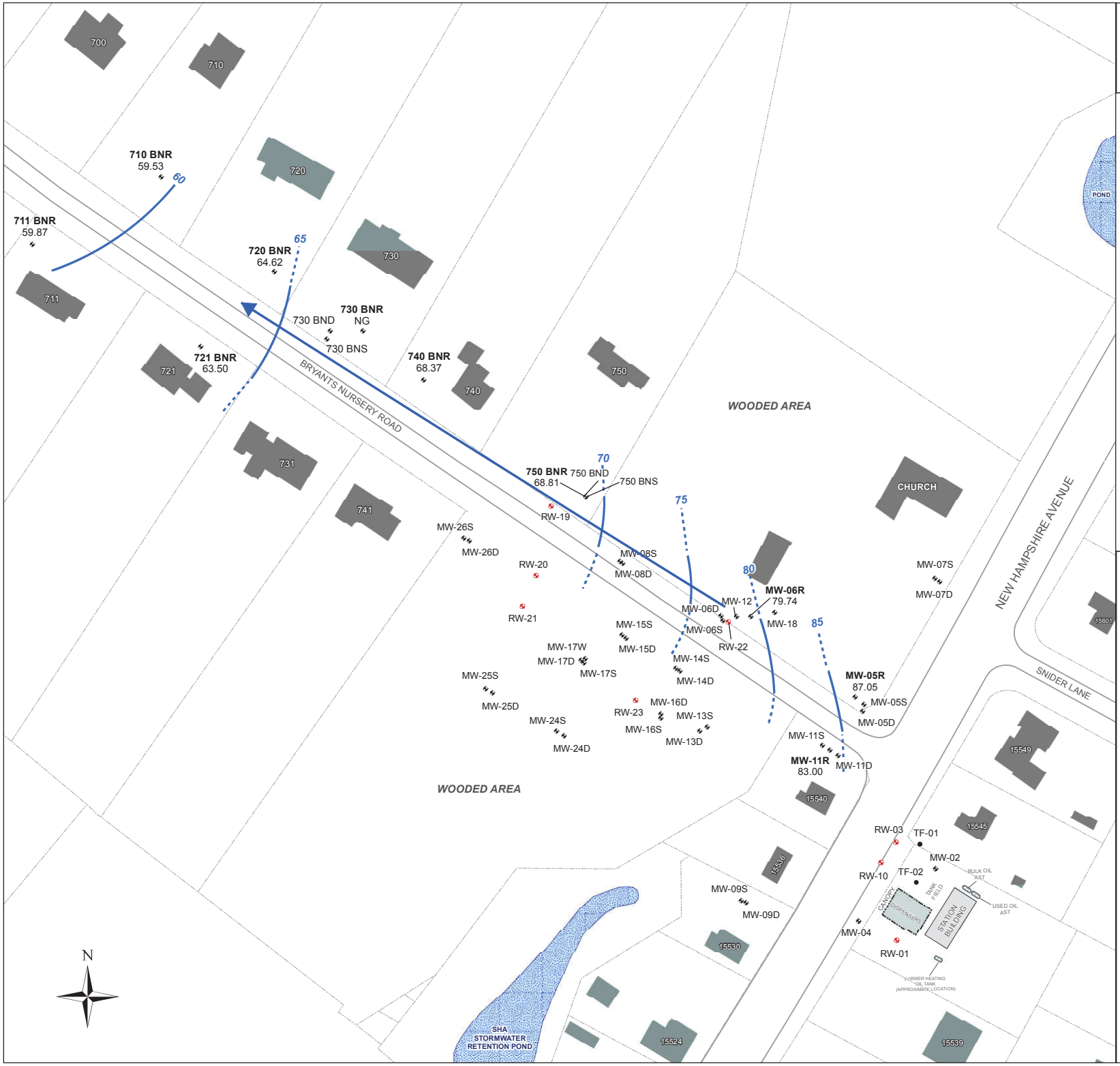
Contour Interval - 5 feet

Data from: February 1, 2012

0 40 80 160 Feet

1 inch = 80 feet

Figure 5
Deep Overburden Groundwater Contour Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD



URS

12420 Milestone Center Drive
Germantown, MD 20876

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Senior:

Legend

- Monitoring Well
- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb

MW-11R Well ID
83.00 Groundwater Elevation (Feet)

Groundwater Contour (Feet) (dashed where inferred)

Groundwater Flow Direction

NG - Not Gauged

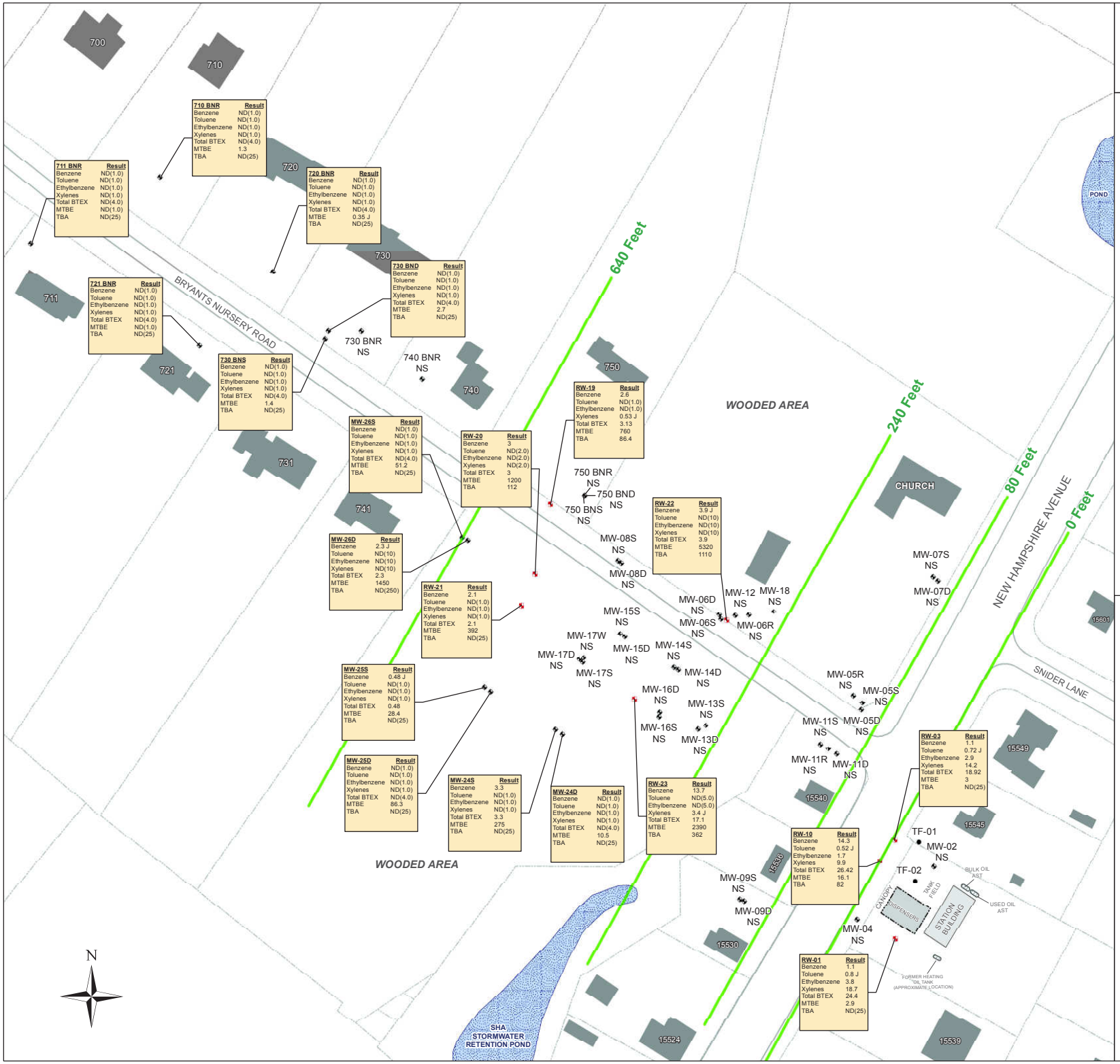
Contour Interval - 5 feet

Data from: February 1, 2012

0 40 80 160 Feet

1 inch = 80 feet

Figure 6
Bedrock Groundwater Contour Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD



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12420 Milestone Center Drive
Germantown, MD 20876

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Created: JK
Checked: JA
Senior:

Legend

- Monitoring Well
- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb
- Distance from Site (in feet)

ND(1.0) - Not Detected (Detection Limit)

NS - Not Sampled

J - Estimated Value

Concentrations in µg/L

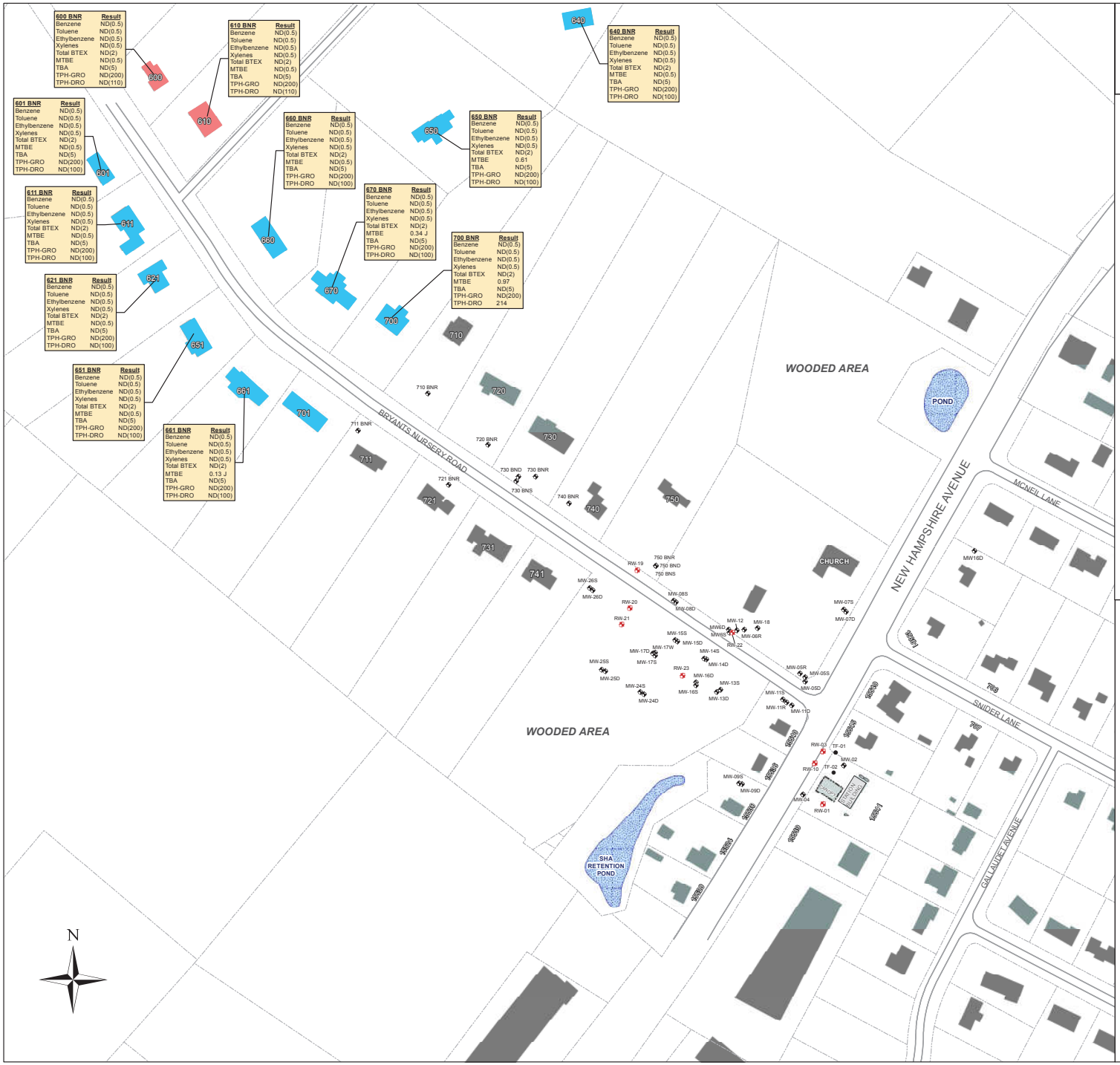
Data from: February 1-2, 2012

Total BTEX- Total Benzene, Toluene, Ethylbenzene, Xylenes
MTBE- Methyl tert-Butyl Ether
TBA - Tertiary butyl alcohol

0 40 80 160 Feet

1 inch = 80 feet

Figure 7
Dissolved Phase Concentration Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD



URS
12420 Milestone Center Drive
Germantown, MD 20876

G:\Projects\Shell\Station_137675\MXD\137675_PotableWell_DPC_1Q12.mxd
Date: 04/03/2012
Created: JK
Checked: JA
Senior:

Legend

- Monitoring Well
- Recovery Well
- Tank Field Well
- Station Building
- Canopy
- Above Ground Storage Tank
- Off-site Building/Structure
- Water Body
- Property Boundary
- Curb
- Sampled - Potable Wells
- Sampled - Bottled Water Provided to Resident

ND(0.5) - Not Detected (Detection Limit)

J - Estimated Value

Concentrations in µg/L

Data from: February 1, 2012

Total BTEX- Total Benzene, Toluene, Ethylbenzene, Xylenes
MTBE- Methyl tert-Butyl Ether
TBA - Tertiary butyl alcohol
TPH-GRO - Total petroleum hydrocarbons-gasoline range organics
TPH-DRO - Total petroleum hydrocarbons-diesel range organics

0 75 150 300 450 Feet

1 inch = 150 feet

Figure 8
Potable Well Concentration Map
Shell Station #137675
15541 New Hampshire Avenue
Silver Spring, MD

TABLES

Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
710 BNR [245, NA]						
	06/11/2010	ND	25.55	ND	61.79	61.79
	08/27/2010	ND	28.97	ND	58.37	58.37
	12/02/2010	ND	29.55	ND	57.79	57.79
	12/21/2010	ND	29.68	ND	57.66	57.66
	01/05/2011	ND	29.73	ND	57.61	57.61
	01/11/2011	ND	29.87	ND	57.47	57.47
	01/18/2011	ND	29.88	ND	57.46	57.46
	01/25/2011	ND	29.96	ND	57.38	57.38
	02/01/2011	ND	30.02	ND	57.32	57.32
	02/07/2011	ND	29.94	ND	57.40	57.40
	02/23/2011	ND	29.72	ND	57.62	57.62
	03/03/2011	ND	29.56	ND	57.78	57.78
	03/07/2011	ND	29.31	ND	58.03	58.03
	03/15/2011	ND	28.69	ND	58.65	58.65
	03/22/2011	ND	28.01	ND	59.33	59.33
	03/29/2011	ND	27.58	ND	59.76	59.76
	04/05/2011	ND	27.09	ND	60.25	60.25
	04/11/2011	ND	26.92	ND	60.42	60.42
	04/18/2011	ND	26.74	ND	60.60	60.60
	04/27/2011	ND	26.08	ND	61.26	61.26
	05/06/2011	ND	26.08	ND	61.26	61.26
	05/16/2011	ND	26.10	ND	61.24	61.24
	05/24/2011	ND	26.09	ND	61.25	61.25
	05/31/2011	ND	26.35	ND	60.99	60.99
	06/09/2011	ND	26.69	ND	60.65	60.65
	06/15/2011	ND	26.40	ND	60.94	60.94
	06/23/2011	ND	27.39	ND	59.95	59.95
	06/29/2011	ND	26.63	ND	60.71	60.71
	07/07/2011	ND	25.64	ND	61.70	61.70
	07/14/2011	ND	28.61	ND	58.73	58.73
	07/20/2011	ND	28.93	ND	58.41	58.41
	07/27/2011	ND	29.28	ND	58.06	58.06
	08/04/2011	ND	26.67	ND	60.67	60.67
	08/08/2011	ND	29.94	ND	57.40	57.40
	08/15/2011	ND	30.30	ND	57.04	57.04
	08/24/2011	ND	29.88	ND	57.46	57.46
	08/31/2011	ND	31.31	ND	56.03	56.03
	09/16/2011	ND	30.84	ND	56.50	56.50
	09/20/2011	ND	30.65	ND	56.69	56.69
	09/28/2011	ND	30.50	ND	56.84	56.84

Notes:
[Well Depth, Screen Interval] - Feet below ground surface
NC - Not Calculated - Top of casing elevation unknown, unable to calculate groundwater elevation
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NA-Not Available

Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
710 BNR [245, NA]						
	10/03/2011	ND	30.46	ND	56.88	56.88
	10/20/2011	ND	30.12	ND	57.22	57.22
	10/27/2011	ND	30.09	ND	57.25	57.25
	10/31/2011	ND	29.91	ND	57.43	57.43
	11/09/2011	ND	30.03	ND	57.31	57.31
	11/16/2011	ND	29.94	ND	57.40	57.40
	11/23/2011	ND	29.39	ND	57.95	57.95
	11/30/2011	ND	29.54	ND	57.80	57.80
	12/09/2011	ND	29.46	ND	57.88	57.88
	12/14/2011	ND	29.41	ND	57.93	57.93
	12/21/2011	ND	28.70	ND	58.64	58.64
	12/28/2011	ND	28.33	ND	59.01	59.01
	01/03/2012	ND	28.56	ND	58.78	58.78
	01/10/2012	ND	28.65	ND	58.69	58.69
	01/17/2012	ND	28.73	ND	58.61	58.61
	01/25/2012	ND	28.69	ND	58.65	58.65
	02/01/2012	ND	27.81	ND	59.53	59.53
	02/08/2012	ND	27.81	ND	59.53	59.53
	02/14/2012	ND	27.83	ND	59.51	59.51
	03/01/2012	ND	27.80	ND	59.54	59.54
	03/07/2012	ND	27.91	ND	59.43	59.43
711 BNR [200, NA]						
	06/11/2010	ND	22.57	ND	62.43	62.43
	08/27/2010	ND	26.74	ND	58.26	58.26
	12/02/2010	ND	27.38	ND	57.62	57.62
	12/21/2010	ND	27.57	ND	57.43	57.43
	01/05/2011	ND	27.54	ND	57.46	57.46
	01/11/2011	ND	27.63	ND	57.37	57.37
	01/18/2011	ND	27.62	ND	57.38	57.38
	01/25/2011	ND	28.11	ND	56.89	56.89
	02/01/2011	ND	27.80	ND	57.20	57.20
	02/07/2011	ND	27.83	ND	57.17	57.17
	02/23/2011	ND	27.44	ND	57.56	57.56
	03/03/2011	ND	27.22	ND	57.78	57.78
	03/07/2011	ND	27.04	ND	57.96	57.96
	03/15/2011	ND	26.37	ND	58.63	58.63
	03/22/2011	ND	25.70	ND	59.30	59.30
	03/29/2011	ND	25.04	ND	59.96	59.96
	04/05/2011	ND	24.64	ND	60.36	60.36
	04/11/2011	ND	24.40	ND	60.60	60.60

Notes:
[Well Depth, Screen Interval] - Feet below ground surface
NC - Not Calculated - Top of casing elevation unknown, unable to calculate groundwater elevation
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
711 BNR [200, NA]						
	04/18/2011	ND	24.33	ND	60.67	60.67
	04/27/2011	ND	23.50	ND	61.50	61.50
	05/06/2011	ND	23.49	ND	61.51	61.51
	05/16/2011	ND	23.48	ND	61.52	61.52
	05/24/2011	ND	23.41	ND	61.59	61.59
	05/31/2011	ND	23.63	ND	61.37	61.37
	06/09/2011	ND	23.98	ND	61.02	61.02
	06/15/2011	ND	24.00	ND	61.00	61.00
	06/23/2011	ND	24.72	ND	60.28	60.28
	06/29/2011	ND	23.99	ND	61.01	61.01
	07/07/2011	ND	28.25	ND	56.75	56.75
	07/14/2011	ND	26.16	ND	58.84	58.84
	07/20/2011	ND	26.52	ND	58.48	58.48
	07/27/2011	ND	26.82	ND	58.18	58.18
	08/04/2011	ND	27.01	ND	57.99	57.99
	08/08/2011	ND	27.51	ND	57.49	57.49
	08/15/2011	ND	28.01	ND	56.99	56.99
	08/24/2011	ND	27.43	ND	57.57	57.57
	08/31/2011	ND	28.61	ND	56.39	56.39
	09/16/2011	ND	28.25	ND	56.75	56.75
	09/20/2011	ND	27.91	ND	57.09	57.09
	09/28/2011	ND	27.74	ND	57.26	57.26
	10/03/2011	ND	27.70	ND	57.30	57.30
	10/20/2011	ND	27.40	ND	57.60	57.60
	10/27/2011	ND	27.36	ND	57.64	57.64
	10/31/2011	ND	27.21	ND	57.79	57.79
	11/09/2011	ND	27.29	ND	57.71	57.71
	11/16/2011	ND	27.19	ND	57.81	57.81
	11/23/2011	ND	26.66	ND	58.34	58.34
	11/30/2011	ND	26.83	ND	58.17	58.17
	12/09/2011	ND	26.51	ND	58.49	58.49
	12/14/2011	ND	26.48	ND	58.52	58.52
	12/21/2011	ND	28.72	ND	56.28	56.28
	12/28/2011	ND	25.88	ND	59.12	59.12
	01/03/2012	ND	26.11	ND	58.89	58.89
	01/10/2012	ND	26.19	ND	58.81	58.81
	01/17/2012	ND	26.25	ND	58.75	58.75
	01/25/2012	ND	26.17	ND	58.83	58.83
	02/01/2012	ND	25.13	ND	59.87	59.87
	02/08/2012	ND	25.11	ND	59.89	59.89

Notes:
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
711 BNR [200, NA]						
	02/14/2012	ND	25.11	ND	59.89	59.89
	03/01/2012	ND	24.96	ND	60.04	60.04
	03/07/2012	ND	25.30	ND	59.70	59.70
720 BNR [260, NA]						
	06/11/2010	ND	25.66	ND	67.00	67.00
	08/27/2010	ND	29.36	ND	63.30	63.30
	12/02/2010	ND	29.72	ND	62.94	62.94
	12/21/2010	ND	29.91	ND	62.75	62.75
	01/05/2011	ND	29.99	ND	62.67	62.67
	01/11/2011	ND	30.11	ND	62.55	62.55
	01/18/2011	ND	30.07	ND	62.59	62.59
	01/25/2011	ND	30.21	ND	62.45	62.45
	02/01/2011	ND	30.26	ND	62.40	62.40
	02/07/2011	ND	30.16	ND	62.50	62.50
	02/23/2011	ND	29.96	ND	62.70	62.70
	03/03/2011	ND	29.73	ND	62.93	62.93
	03/07/2011	ND	29.58	ND	63.08	63.08
	03/15/2011	ND	28.83	ND	63.83	63.83
	03/22/2011	ND	28.15	ND	64.51	64.51
	03/29/2011	ND	27.73	ND	64.93	64.93
	04/05/2011	ND	27.38	ND	65.28	65.28
	04/11/2011	ND	27.13	ND	65.53	65.53
	04/18/2011	ND	26.99	ND	65.67	65.67
	04/27/2011	ND	26.27	ND	66.39	66.39
	05/06/2011	ND	26.28	ND	66.38	66.38
	05/16/2011	ND	26.29	ND	66.37	66.37
	05/24/2011	ND	26.39	ND	66.27	66.27
	05/31/2011	ND	26.69	ND	65.97	65.97
	06/09/2011	ND	27.22	ND	65.44	65.44
	06/15/2011	ND	27.11	ND	65.55	65.55
	06/23/2011	ND	27.85	ND	64.81	64.81
	06/29/2011	ND	27.14	ND	65.52	65.52
	07/07/2011	ND	28.73	ND	63.93	63.93
	07/14/2011	ND	29.15	ND	63.51	63.51
	07/20/2011	ND	29.46	ND	63.20	63.20
	07/27/2011	ND	29.97	ND	62.69	62.69
	08/04/2011	ND	30.09	ND	62.57	62.57
	08/08/2011	ND	30.49	ND	62.17	62.17
	08/15/2011	ND	30.78	ND	61.88	61.88
	08/24/2011	ND	30.86	ND	61.80	61.80

Notes:
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
720 BNR [260, NA]						
	08/31/2011	ND	30.31	ND	62.35	62.35
	09/16/2011	ND	30.74	ND	61.92	61.92
	09/20/2011	ND	30.56	ND	62.10	62.10
	09/28/2011	ND	30.48	ND	62.18	62.18
	10/03/2011	ND	30.42	ND	62.24	62.24
	10/20/2011	ND	30.22	ND	62.44	62.44
	10/27/2011	ND	30.15	ND	62.51	62.51
	10/31/2011	ND	30.09	ND	62.57	62.57
	11/09/2011	ND	30.00	ND	62.66	62.66
	11/16/2011	ND	29.93	ND	62.73	62.73
	11/23/2011	ND	29.63	ND	63.03	63.03
	11/30/2011	ND	29.81	ND	62.85	62.85
	12/09/2011	ND	29.63	ND	63.03	63.03
	12/14/2011	ND	29.58	ND	63.08	63.08
	12/21/2011	ND	28.45	ND	64.21	64.21
	12/28/2011	ND	28.63	ND	64.03	64.03
	01/03/2012	ND	28.50	ND	64.16	64.16
	01/10/2012	ND	28.56	ND	64.10	64.10
	01/17/2012	ND	28.61	ND	64.05	64.05
	01/25/2012	ND	28.51	ND	64.15	64.15
	02/01/2012	ND	28.04	ND	64.62	64.62
	02/08/2012	ND	28.10	ND	64.56	64.56
	02/14/2012	ND	28.10	ND	64.56	64.56
	03/01/2012	ND	28.00	ND	64.66	64.66
	03/07/2012	ND	28.26	ND	64.40	64.40
721 BNR [405, NA]						
	06/11/2010	ND	24.40	ND	65.78	65.78
	08/27/2010	ND	27.30	ND	62.88	62.88
	12/02/2010	ND	27.70	ND	62.48	62.48
	12/21/2010	ND	27.82	ND	62.36	62.36
	01/05/2011	ND	27.96	ND	62.22	62.22
	01/11/2011	ND	28.10	ND	62.08	62.08
	01/18/2011	ND	28.04	ND	62.14	62.14
	01/25/2011	ND	28.19	ND	61.99	61.99
	02/01/2011	ND	28.20	ND	61.98	61.98
	02/07/2011	ND	27.84	ND	62.34	62.34
	02/23/2011	ND	27.80	ND	62.38	62.38
	03/03/2011	ND	27.58	ND	62.60	62.60
	03/07/2011	ND	26.82	ND	63.36	63.36
	03/15/2011	ND	26.83	ND	63.35	63.35

Notes:
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
721 BNR [405, NA]						
	03/22/2011	ND	26.24	ND	63.94	63.94
	03/29/2011	ND	25.86	ND	64.32	64.32
	04/05/2011	ND	25.33	ND	64.85	64.85
	04/11/2011	ND	25.38	ND	64.80	64.80
	04/18/2011	ND	25.04	ND	65.14	65.14
	04/27/2011	ND	24.77	ND	65.41	65.41
	05/06/2011	ND	24.70	ND	65.48	65.48
	05/16/2011	ND	24.71	ND	65.47	65.47
	05/24/2011	ND	24.85	ND	65.33	65.33
	05/31/2011	ND	25.20	ND	64.98	64.98
	06/09/2011	ND	25.84	ND	64.34	64.34
	06/15/2011	ND	25.94	ND	64.24	64.24
	06/23/2011	ND	26.35	ND	63.83	63.83
	06/29/2011	ND	25.06	ND	65.12	65.12
	07/07/2011	ND	27.22	ND	62.96	62.96
	07/14/2011	ND	27.47	ND	62.71	62.71
	07/20/2011	ND	27.79	ND	62.39	62.39
	07/27/2011	ND	28.11	ND	62.07	62.07
	08/04/2011	ND	28.53	ND	61.65	61.65
	08/08/2011	ND	28.66	ND	61.52	61.52
	08/15/2011	ND	28.96	ND	61.22	61.22
	08/24/2011	ND	29.95	ND	60.23	60.23
	08/31/2011	ND	30.35	ND	59.83	59.83
	09/16/2011	ND	29.81	ND	60.37	60.37
	09/20/2011	ND	29.70	ND	60.48	60.48
	09/28/2011	ND	29.55	ND	60.63	60.63
	10/03/2011	ND	29.51	ND	60.67	60.67
	10/20/2011	ND	29.10	ND	61.08	61.08
	10/27/2011	ND	29.02	ND	61.16	61.16
	10/31/2011	ND	28.95	ND	61.23	61.23
	11/09/2011	ND	28.98	ND	61.20	61.20
	11/16/2011	ND	28.90	ND	61.28	61.28
	11/23/2011	ND	28.31	ND	61.87	61.87
	11/30/2011	ND	28.44	ND	61.74	61.74
	12/09/2011	ND	28.29	ND	61.89	61.89
	12/14/2011	ND	28.30	ND	61.88	61.88
	12/21/2011	ND	27.45	ND	62.73	62.73
	12/28/2011	ND	27.24	ND	62.94	62.94
	01/03/2012	ND	27.36	ND	62.82	62.82
	01/10/2012	ND	27.41	ND	62.77	62.77

Notes:
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NC - Not Calculated - Top of casing elevation unknown, unable to calculate groundwater elevation
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
721 BNR [405, NA]						
	01/17/2012	ND	27.53	ND	62.65	62.65
	01/25/2012	ND	27.49	ND	62.69	62.69
	02/01/2012	ND	26.68	ND	63.50	63.50
	02/08/2012	ND	26.68	ND	63.50	63.50
	02/14/2012	ND	26.64	ND	63.54	63.54
	03/01/2012	ND	26.63	ND	63.55	63.55
	03/07/2012	ND	26.68	ND	63.50	63.50
730 BND [65, 40 - 65]						
	10/01/2010	ND	27.51	ND	64.22	64.22
	12/02/2010	ND	27.32	ND	64.41	64.41
	05/16/2011	ND	24.44	ND	67.29	67.29
	08/08/2011	ND	28.05	ND	63.68	63.68
	10/31/2011	ND	27.80	ND	63.93	63.93
	02/01/2012	ND	25.81	ND	65.92	65.92
730 BNS [35, 10 - 35]						
	10/01/2010	ND	28.11	ND	63.60	63.60
	12/02/2010	ND	28.02	ND	63.69	63.69
	05/16/2011	ND	24.34	ND	67.37	67.37
	08/08/2011	ND	28.68	ND	63.03	63.03
	10/31/2011	ND	28.28	ND	63.43	63.43
	02/01/2012	ND	26.24	ND	65.47	65.47
740 BNR [300, NA]						
	12/02/2010	ND	29.61	ND	63.48	63.48
	12/21/2010	ND	26.13	ND	66.96	66.96
	01/05/2011	ND	26.32	ND	66.77	66.77
	01/11/2011	ND	26.65	ND	66.44	66.44
	01/18/2011	ND	26.25	ND	66.84	66.84
	01/25/2011	ND	26.42	ND	66.67	66.67
	02/01/2011	ND	26.39	ND	66.70	66.70
	02/07/2011	ND	26.28	ND	66.81	66.81
	02/23/2011	ND	25.99	ND	67.10	67.10
	03/03/2011	ND	25.69	ND	67.40	67.40
	03/07/2011	ND	25.57	ND	67.52	67.52
	03/15/2011	ND	24.98	ND	68.11	68.11
	03/22/2011	ND	24.39	ND	68.70	68.70
	03/29/2011	ND	24.18	ND	68.91	68.91
	04/05/2011	ND	23.89	ND	69.20	69.20
	04/11/2011	ND	23.87	ND	69.22	69.22
	04/18/2011	ND	23.73	ND	69.36	69.36

Notes:
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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
740 BNR [300, NA]						
	04/27/2011	ND	23.14	ND	69.95	69.95
	05/06/2011	ND	22.91	ND	70.18	70.18
	05/16/2011	ND	13.02	ND	80.07	80.07
	05/24/2011	ND	23.21	ND	69.88	69.88
	05/31/2011	ND	23.67	ND	69.42	69.42
	06/09/2011	ND	25.02	ND	68.07	68.07
	06/15/2011	ND	24.52	ND	68.57	68.57
	06/23/2011	ND	24.66	ND	68.43	68.43
	06/29/2011	ND	24.27	ND	68.82	68.82
	07/07/2011	ND	25.55	ND	67.54	67.54
	07/14/2011	ND	25.80	ND	67.29	67.29
	07/20/2011	ND	26.40	ND	66.69	66.69
	07/27/2011	ND	26.76	ND	66.33	66.33
	08/04/2011	ND	26.91	ND	66.18	66.18
	08/08/2011	ND	27.28	ND	65.81	65.81
	08/15/2011	ND	27.55	ND	65.54	65.54
	08/24/2011	ND	27.94	ND	65.15	65.15
	08/31/2011	ND	28.35	ND	64.74	64.74
	09/16/2011	ND	27.04	ND	66.05	66.05
	09/20/2011	ND	26.86	ND	66.23	66.23
	09/28/2011	ND	26.95	ND	66.14	66.14
	10/03/2011	ND	26.89	ND	66.20	66.20
	10/20/2011	ND	26.65	ND	66.44	66.44
	10/27/2011	ND	26.59	ND	66.50	66.50
	10/31/2011	ND	26.65	ND	66.44	66.44
	11/09/2011	ND	26.54	ND	66.55	66.55
	11/16/2011	ND	26.48	ND	66.61	66.61
	11/23/2011	ND	26.10	ND	66.99	66.99
	11/30/2011	ND	26.19	ND	66.90	66.90
	12/09/2011	ND	26.05	ND	67.04	67.04
	12/14/2011	ND	26.11	ND	66.98	66.98
	12/21/2011	ND	25.10	ND	67.99	67.99
	12/28/2011	ND	25.12	ND	67.97	67.97
	01/03/2012	ND	25.13	ND	67.96	67.96
	01/10/2012	ND	25.20	ND	67.89	67.89
	01/17/2012	ND	25.29	ND	67.80	67.80
	01/25/2012	ND	25.29	ND	67.80	67.80
	02/01/2012	ND	24.72	ND	68.37	68.37
	02/08/2012	ND	24.85	ND	68.24	68.24
	02/14/2012	ND	24.87	ND	68.22	68.22

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740 BNR [300, NA]						
	03/01/2012	ND	24.89	ND	68.20	68.20
	03/07/2012	ND	25.05	ND	68.04	68.04
741 BRYANTS NURSERY						
	06/11/2010	ND	7.40	ND	67.43	67.43
	08/27/2010	ND	9.22	ND	65.61	65.61
750 BND [65, 53 - 65]						
	06/22/2005	ND	17.83	ND	75.05	75.05
	11/17/2005	ND	20.36	ND	72.52	72.52
	03/30/2006	ND	18.46	ND	74.42	74.42
	06/29/2006	ND	18.09	ND	74.79	74.79
	09/28/2006	ND	20.60	ND	72.28	72.28
	12/19/2006	ND	19.29	ND	73.59	73.59
	03/06/2007	ND	18.03	ND	74.85	74.85
	06/22/2007	ND	17.60	ND	75.28	75.28
	09/25/2007	ND	54.55	ND	38.33	38.33
	12/05/2007	ND	46.02	ND	46.86	46.86
	03/25/2008	ND	20.30	ND	72.58	72.58
	06/24/2008	ND	16.70	ND	76.18	76.18
	09/15/2008	ND	20.93	ND	71.95	71.95
	12/12/2008	ND	25.35	ND	67.53	67.53
	02/20/2009	ND	20.02	ND	72.86	72.86
	05/07/2009	ND	19.47	ND	73.41	73.41
	09/23/2009	ND	19.78	ND	73.10	73.10
	12/07/2009	ND	19.42	ND	73.46	73.46
	03/11/2010	ND	15.35	ND	77.53	77.53
	05/20/2010	ND	14.47	ND	78.41	78.41
	09/27/2010	ND	20.03	ND	72.85	72.85
	12/02/2010	ND	20.52	ND	72.36	72.36
	02/14/2011	ND	22.20	ND	70.68	70.68
	05/16/2011	ND	18.95	ND	73.93	73.93
	08/08/2011	ND	22.43	ND	70.45	70.45
	10/31/2011	ND	22.76	ND	70.12	70.12
	02/01/2012	ND	25.11	ND	67.77	67.77
750 BNR [98, 88 - 98]						
	06/22/2005	ND	8.18	ND	84.73	84.73
	11/17/2005	ND	19.10	ND	73.81	73.81
	06/29/2006	ND	20.16	ND	72.75	72.75
	09/28/2006	ND	22.70	ND	70.21	70.21
	12/19/2006	ND	25.38	ND	67.53	67.53

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750 BNR [98, 88 - 98]						
	03/06/2007	ND	29.24	ND	63.67	63.67
	06/22/2007	ND	44.25	ND	48.66	48.66
	09/25/2007	ND	21.90	ND	71.01	71.01
	12/05/2007	ND	22.91	ND	70.00	70.00
	03/25/2008	ND	44.51	ND	48.40	48.40
	06/24/2008	ND	58.89	ND	34.02	34.02
	09/15/2008	ND	54.02	ND	38.89	38.89
	12/12/2008	ND	56.73	ND	36.18	36.18
	02/20/2009	ND	52.23	ND	40.68	40.68
	05/07/2009	ND	46.45	ND	46.46	46.46
	09/23/2009	ND	31.13	ND	61.78	61.78
	12/07/2009	ND	36.75	ND	56.16	56.16
	03/11/2010	ND	31.35	ND	61.56	61.56
	05/20/2010	ND	31.97	ND	60.94	60.94
	09/27/2010	ND	26.88	ND	66.03	66.03
	12/02/2010	ND	24.76	ND	68.15	68.15
	12/21/2010	ND	40.60	ND	52.31	52.31
	02/14/2011	ND	29.92	ND	62.99	62.99
	05/16/2011	ND	23.85	ND	69.06	69.06
	08/08/2011	ND	23.74	ND	69.17	69.17
	10/31/2011	ND	24.56	ND	68.35	68.35
	02/01/2012	ND	24.10	ND	68.81	68.81
750 BNS [28, 19 - 28]						
	06/22/2005	ND	15.60	ND	77.27	77.27
	11/17/2005	ND	15.20	ND	77.67	77.67
	03/30/2006	ND	15.36	ND	77.51	77.51
	06/29/2006	ND	20.19	ND	72.68	72.68
	09/28/2006	ND	19.92	ND	72.95	72.95
	12/19/2006	ND	22.05	ND	70.82	70.82
	03/06/2007	ND	20.30	ND	72.57	72.57
	06/22/2007	ND	20.00	ND	72.87	72.87
	06/25/2007	Well Not Gauged				
	09/25/2007	ND	20.01	ND	72.86	72.86
	12/05/2007	ND	19.86	ND	73.01	73.01
	03/25/2008	ND	20.25	ND	72.62	72.62
	06/24/2008	ND	20.01	ND	72.86	72.86
	09/15/2008	ND	20.01	ND	72.86	72.86
	12/12/2008	ND	19.87	ND	73.00	73.00
	02/20/2009	ND	20.99	ND	71.88	71.88
	05/07/2009	ND	19.89	ND	72.98	72.98

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750 BNS [28, 19 - 28]						
	09/23/2009	ND	19.56	ND	73.31	73.31
	12/07/2009	ND	20.27	ND	72.60	72.60
	03/11/2010	ND	20.16	ND	72.71	72.71
	05/20/2010	ND	19.87	ND	73.00	73.00
	09/27/2010	ND	19.75	ND	73.12	73.12
	12/02/2010	ND	20.80	ND	72.07	72.07
	02/14/2011	ND	21.70	ND	71.17	71.17
	05/16/2011	ND	22.65	ND	70.22	70.22
	08/08/2011	ND	22.74	ND	70.13	70.13
	10/31/2011	ND	23.82	ND	69.05	69.05
	02/01/2012	ND	21.15	ND	71.72	71.72
MW-02 [24.5, 4.5 - 24.5]						
	01/06/2004	ND	4.60	ND	94.78	94.78
	04/05/2004	ND	4.61	ND	94.77	94.77
	07/01/2004	ND	6.94	ND	92.44	92.44
	08/17/2004	ND	7.63	ND	91.75	91.75
	09/10/2004	ND	10.45	ND	88.93	88.93
	10/05/2004	ND	10.90	ND	88.48	88.48
	01/03/2005	ND	10.93	ND	88.45	88.45
	04/13/2005	ND	8.36	ND	91.02	91.02
	08/17/2005	ND	10.08	ND	89.30	89.30
	11/17/2005	ND	10.58	ND	88.80	88.80
	03/30/2006	ND	10.77	ND	88.61	88.61
	06/29/2006	ND	9.99	ND	89.39	89.39
	09/28/2006	ND	12.53	ND	86.85	86.85
	12/19/2006	ND	12.02	ND	87.36	87.36
	03/06/2007	ND	11.48	ND	87.90	87.90
	06/22/2007	ND	11.73	ND	87.65	87.65
	09/25/2007	ND	14.10	ND	85.28	85.28
	12/05/2007	ND	15.40	ND	83.98	83.98
	03/25/2008	ND	13.32	ND	86.06	86.06
	06/24/2008	ND	11.60	ND	87.78	87.78
	09/15/2008	ND	13.90	ND	85.48	85.48
	12/12/2008	ND	14.80	ND	84.58	84.58
	02/20/2009	ND	14.15	ND	85.23	85.23
	05/07/2009	ND	12.18	ND	87.20	87.20
	09/23/2009	ND	12.62	ND	86.76	86.76
	12/07/2009	ND	11.58	ND	87.80	87.80
	03/11/2010	ND	8.12	ND	91.26	91.26
	05/17/2010	ND	8.85	ND	90.53	90.53

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MW-02 [24.5, 4.5 - 24.5]						
	09/27/2010	ND	12.08	ND	87.30	87.30
	12/02/2010	ND	12.12	ND	87.26	87.26
	01/11/2011	ND	12.59	ND	86.79	86.79
	02/18/2011	ND	12.05	ND	87.33	87.33
	05/16/2011	ND	10.55	ND	88.83	88.83
	08/08/2011	ND	12.83	ND	86.55	86.55
	10/31/2011	ND	11.90	ND	87.48	87.48
	02/01/2012	ND	11.41	ND	87.97	87.97
MW-04 [23, 3 - 23]						
	01/06/2004	ND	3.52	ND	94.00	94.00
	04/05/2004	ND	3.77	ND	93.75	93.75
	07/01/2004	ND	5.22	ND	92.30	92.30
	08/17/2004	ND	9.43	ND	88.09	88.09
	09/10/2004	ND	8.68	ND	88.84	88.84
	10/05/2004	ND	9.04	ND	88.48	88.48
	01/03/2005	ND	9.21	ND	88.31	88.31
	04/13/2005	ND	7.56	ND	89.96	89.96
	08/17/2005	ND	7.73	ND	89.79	89.79
	11/17/2005	ND	8.82	ND	88.70	88.70
	03/30/2006	ND	9.29	ND	88.23	88.23
	06/29/2006	ND	8.12	ND	89.40	89.40
	09/28/2006	ND	10.69	ND	86.83	86.83
	12/19/2006	ND	10.54	ND	86.98	86.98
	03/06/2007	ND	9.80	ND	87.72	87.72
	06/22/2007	ND	10.25	ND	87.27	87.27
	09/25/2007	ND	12.02	ND	85.50	85.50
	12/05/2007	ND	13.30	ND	84.22	84.22
	03/25/2008	ND	11.96	ND	85.56	85.56
	06/24/2008	ND	9.95	ND	87.57	87.57
	09/15/2008	ND	11.95	ND	85.57	85.57
	12/12/2008	ND	12.71	ND	84.81	84.81
	02/20/2009	ND	12.46	ND	85.06	85.06
	05/07/2009	ND	10.61	ND	86.91	86.91
	09/23/2009	ND	10.78	ND	86.74	86.74
	12/07/2009	ND	9.80	ND	87.72	87.72
	03/11/2010	ND	7.20	ND	90.32	90.32
	05/17/2010	ND	7.63	ND	89.89	89.89
	09/27/2010	ND	10.35	ND	87.17	87.17
	12/02/2010	ND	10.30	ND	87.22	87.22
	02/18/2011	ND	10.46	ND	87.06	87.06

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MW-04 [23, 3 - 23]						
	05/16/2011	ND	9.08	ND	88.44	88.44
	08/08/2011	ND	11.16	ND	86.36	86.36
	10/31/2011	ND	10.29	ND	87.23	87.23
	02/01/2012	ND	9.80	ND	87.72	87.72
MW-05D [57, 52 - 57]						
	04/05/2004	ND	8.81	ND	89.99	89.99
	07/01/2004	ND	10.67	ND	88.13	88.13
	08/17/2004	ND	11.28	ND	87.52	87.52
	09/10/2004	ND	12.29	ND	86.51	86.51
	10/04/2004	ND	12.94	ND	85.86	85.86
	01/03/2005	ND	13.10	ND	85.70	85.70
	04/13/2005	ND	10.32	ND	88.48	88.48
	08/17/2005	ND	12.42	ND	86.38	86.38
	11/17/2005	ND	14.31	ND	84.49	84.49
	03/30/2006	ND	13.64	ND	85.16	85.16
	06/29/2006	ND	13.03	ND	85.77	85.77
	09/28/2006	ND	15.48	ND	83.32	83.32
	12/19/2006	ND	14.25	ND	84.55	84.55
	03/06/2007	ND	13.71	ND	85.09	85.09
	06/22/2007	ND	14.23	ND	84.57	84.57
	09/25/2007	ND	17.71	ND	81.09	81.09
	12/05/2007	ND	19.49	ND	79.31	79.31
	03/25/2008	ND	15.47	ND	83.33	83.33
	06/24/2008	ND	15.27	ND	83.53	83.53
	09/15/2008	ND	16.44	ND	82.36	82.36
	12/12/2008	ND	17.45	ND	81.35	81.35
	02/20/2009	ND	16.31	ND	82.49	82.49
	05/07/2009	ND	14.65	ND	84.15	84.15
	09/23/2009	ND	15.24	ND	83.56	83.56
	12/07/2009	ND	14.23	ND	84.57	84.57
	03/11/2010	ND	10.50	ND	88.30	88.30
	05/17/2010	ND	11.24	ND	87.56	87.56
	09/27/2010	ND	14.94	ND	83.86	83.86
	12/02/2010	ND	15.10	ND	83.70	83.70
	02/14/2011	ND	15.05	ND	83.75	83.75
	05/16/2011	ND	12.83	ND	85.97	85.97
	08/08/2011	ND	15.84	ND	82.96	82.96
	10/31/2011	ND	14.75	ND	84.05	84.05
	02/01/2012	ND	13.91	ND	84.89	84.89

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MW-05R [103, 70 - 80]						
	07/08/2004	ND	11.79	ND	89.96	89.96
	08/17/2004	ND	12.27	ND	89.48	89.48
	09/10/2004	ND	13.13	ND	88.62	88.62
	10/04/2004	ND	13.77	ND	87.98	87.98
	01/03/2005	ND	13.97	ND	87.78	87.78
	04/13/2005	ND	11.17	ND	90.58	90.58
	08/17/2005	ND	13.29	ND	88.46	88.46
	11/17/2005	ND	13.43	ND	88.32	88.32
	03/30/2006	ND	13.23	ND	88.52	88.52
	06/29/2006	ND	13.86	ND	87.89	87.89
	09/28/2006	ND	16.35	ND	85.40	85.40
	12/19/2006	ND	15.07	ND	86.68	86.68
	03/06/2007	ND	14.43	ND	87.32	87.32
	06/22/2007	ND	14.96	ND	86.79	86.79
	09/25/2007	ND	17.21	ND	84.54	84.54
	12/05/2007	ND	18.95	ND	82.80	82.80
	03/25/2008	ND	16.32	ND	85.43	85.43
	06/24/2008	ND	14.08	ND	87.67	87.67
	09/15/2008	ND	17.29	ND	84.46	84.46
	12/12/2008	ND	18.31	ND	83.44	83.44
	02/20/2009	ND	17.19	ND	84.56	84.56
	05/07/2009	ND	15.08	ND	86.67	86.67
	09/23/2009	ND	17.34	ND	84.41	84.41
	12/07/2009	ND	14.96	ND	86.79	86.79
	03/11/2010	ND	11.31	ND	90.44	90.44
	05/17/2010	ND	12.02	ND	89.73	89.73
	09/27/2010	ND	15.76	ND	85.99	85.99
	12/02/2010	ND	15.92	ND	85.83	85.83
	02/14/2011	ND	15.80	ND	85.95	85.95
	05/16/2011	ND	13.60	ND	88.15	88.15
	08/08/2011	ND	16.68	ND	85.07	85.07
	10/31/2011	ND	15.59	ND	86.16	86.16
	02/01/2012	ND	14.70	ND	87.05	87.05
MW-05S [23, 3 - 23]						
	01/06/2004	ND	9.22	ND	89.98	89.98
	04/05/2004	ND	9.72	ND	89.48	89.48
	07/01/2004	ND	11.41	ND	87.79	87.79
	08/17/2004	ND	11.95	ND	87.25	87.25
	09/10/2004	ND	12.92	ND	86.28	86.28
	10/04/2004	ND	13.53	ND	85.67	85.67

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MW-05S [23, 3 - 23]						
	01/03/2005	ND	13.73	ND	85.47	85.47
	04/13/2005	ND	11.07	ND	88.13	88.13
	08/17/2005	ND	13.05	ND	86.15	86.15
	11/17/2005	ND	14.10	ND	85.10	85.10
	03/30/2006	ND	12.62	ND	86.58	86.58
	06/29/2006	ND	13.64	ND	85.56	85.56
	09/28/2006	ND	15.95	ND	83.25	83.25
	12/19/2006	ND	14.80	ND	84.40	84.40
	03/06/2007	ND	14.05	ND	85.15	85.15
	06/22/2007	ND	14.50	ND	84.70	84.70
	09/25/2007	ND	16.80	ND	82.40	82.40
	12/05/2007	ND	18.52	ND	80.68	80.68
	03/25/2008	ND	15.95	ND	83.25	83.25
	06/24/2008	ND	13.80	ND	85.40	85.40
	09/15/2008	ND	16.90	ND	82.30	82.30
	12/12/2008	ND	17.95	ND	81.25	81.25
	02/20/2009	ND	16.82	ND	82.38	82.38
	05/07/2009	ND	14.92	ND	84.28	84.28
	09/23/2009	ND	15.71	ND	83.49	83.49
	12/07/2009	ND	14.49	ND	84.71	84.71
	03/11/2010	ND	10.98	ND	88.22	88.22
	05/17/2010	ND	11.83	ND	87.37	87.37
	09/27/2010	ND	15.39	ND	83.81	83.81
	12/02/2010	ND	15.30	ND	83.90	83.90
	02/14/2011	ND	15.53	ND	83.67	83.67
	05/16/2011	ND	13.48	ND	85.72	85.72
	08/08/2011	ND	16.38	ND	82.82	82.82
	10/31/2011	ND	15.25	ND	83.95	83.95
	02/01/2012	ND	14.51	ND	84.69	84.69
MW-06D [55, 50 - 55]						
	04/05/2004	ND	15.18	ND	83.91	83.91
	07/01/2004	ND	15.86	ND	83.23	83.23
	08/17/2004	ND	16.35	ND	82.74	82.74
	09/10/2004	ND	17.20	ND	81.89	81.89
	10/04/2004	ND	17.77	ND	81.32	81.32
	01/03/2005	ND	17.83	ND	81.26	81.26
	04/13/2005	ND	14.91	ND	84.18	84.18
	08/17/2005	ND	18.37	ND	80.72	80.72
	11/17/2005	ND	18.30	ND	80.79	80.79
	03/30/2006	ND	16.83	ND	82.26	82.26

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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-06D [55, 50 - 55]						
	06/29/2006	ND	17.96	ND	81.13	81.13
	09/28/2006	ND	20.10	ND	78.99	78.99
	12/19/2006	ND	18.71	ND	80.38	80.38
	02/02/2007	ND	17.88	ND	81.21	81.21
	03/06/2007	ND	17.87	ND	81.22	81.22
	06/22/2007	ND	18.17	ND	80.92	80.92
	09/25/2007	ND	22.84	ND	76.25	76.25
	12/05/2007	ND	22.32	ND	76.77	76.77
	03/25/2008	ND	19.57	ND	79.52	79.52
	06/24/2008	ND	17.35	ND	81.74	81.74
	09/15/2008	ND	20.83	ND	78.26	78.26
	12/12/2008	ND	21.71	ND	77.38	77.38
	02/20/2009	ND	20.52	ND	78.57	78.57
	05/07/2009	ND	18.51	ND	80.58	80.58
	09/23/2009	ND	19.59	ND	79.50	79.50
	12/07/2009	ND	18.72	ND	80.37	80.37
	03/11/2010	ND	15.06	ND	84.03	84.03
	05/17/2010	ND	15.56	ND	83.53	83.53
	09/27/2010	ND	19.99	ND	79.10	79.10
	12/02/2010	ND	19.87	ND	79.22	79.22
	02/14/2011	ND	23.90	ND	75.19	75.19
	05/16/2011	ND	18.79	ND	80.30	80.30
	08/08/2011	ND	24.95	ND	74.14	74.14
	10/31/2011	ND	21.30	ND	77.79	77.79
	02/01/2012	ND	23.54	ND	75.55	75.55
MW-06R [103, 70 - 80]						
	07/08/2004	ND	12.77	ND	89.44	89.44
	08/17/2004	ND	17.15	ND	85.06	85.06
	09/10/2004	ND	17.87	ND	84.34	84.34
	10/04/2004	ND	18.52	ND	83.69	83.69
	01/03/2005	ND	18.66	ND	83.55	83.55
	04/13/2005	ND	15.85	ND	86.36	86.36
	08/17/2005	ND	17.97	ND	84.24	84.24
	03/30/2006	ND	17.54	ND	84.67	84.67
	06/29/2006	ND	18.84	ND	83.37	83.37
	09/28/2006	ND	20.80	ND	81.41	81.41
	12/19/2006	ND	19.45	ND	82.76	82.76
	03/06/2007	ND	18.65	ND	83.56	83.56
	06/22/2007	ND	19.17	ND	83.04	83.04
	09/25/2007	ND	22.21	ND	80.00	80.00

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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-06R [103, 70 - 80]						
	12/05/2007	ND	23.22	ND	78.99	78.99
	03/25/2008	ND	20.68	ND	81.53	81.53
	06/24/2008	ND	18.15	ND	84.06	84.06
	09/15/2008	ND	21.61	ND	80.60	80.60
	12/12/2008	ND	22.64	ND	79.57	79.57
	02/20/2009	ND	21.41	ND	80.80	80.80
	05/07/2009	ND	19.58	ND	82.63	82.63
	09/23/2009	ND	20.34	ND	81.87	81.87
	12/07/2009	ND	19.57	ND	82.64	82.64
	03/11/2010	ND	15.51	ND	86.70	86.70
	05/17/2010	ND	16.06	ND	86.15	86.15
	09/27/2010	ND	20.68	ND	81.53	81.53
	12/02/2010	ND	20.70	ND	81.51	81.51
	02/14/2011	ND	23.25	ND	78.96	78.96
	05/16/2011	ND	19.74	ND	82.47	82.47
	08/08/2011	ND	24.09	ND	78.12	78.12
	10/31/2011	ND	21.90	ND	80.31	80.31
	02/01/2012	ND	22.47	ND	79.74	79.74
MW-06S [23, 3 - 23]						
	01/06/2004	ND	14.10	ND	84.31	84.31
	04/05/2004	ND	14.93	ND	83.48	83.48
	07/01/2004	ND	16.85	ND	81.56	81.56
	08/17/2004	ND	17.57	ND	80.84	80.84
	09/10/2004	ND	18.29	ND	80.12	80.12
	10/04/2004	ND	18.86	ND	79.55	79.55
	01/03/2005	ND	18.83	ND	79.58	79.58
	04/13/2005	ND	15.51	ND	82.90	82.90
	08/17/2005	ND	17.32	ND	81.09	81.09
	11/17/2005	ND	19.37	ND	79.04	79.04
	03/30/2006	ND	17.55	ND	80.86	80.86
	06/29/2006	ND	18.91	ND	79.50	79.50
	09/28/2006	ND	21.14	ND	77.27	77.27
	12/19/2006	ND	19.48	ND	78.93	78.93
	03/06/2007	ND	18.65	ND	79.76	79.76
	06/22/2007	ND	18.95	ND	79.46	79.46
	09/25/2007	ND	22.50	ND	75.91	75.91
	12/05/2007	ND	22.72	ND	75.69	75.69
	03/25/2008	ND	20.43	ND	77.98	77.98
	06/24/2008	ND	17.95	ND	80.46	80.46
	09/15/2008	ND	21.78	ND	76.63	76.63

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Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-06S [23, 3 - 23]						
	12/12/2008	ND	22.69	ND	75.72	75.72
	05/07/2009	ND	19.25	ND	79.16	79.16
	09/23/2009	ND	20.51	ND	77.90	77.90
	12/07/2009	ND	19.58	ND	78.83	78.83
	03/11/2010	ND	15.33	ND	83.08	83.08
	05/17/2010	ND	16.11	ND	82.30	82.30
	09/27/2010	ND	20.82	ND	77.59	77.59
	12/02/2010	ND	20.68	ND	77.73	77.73
	02/14/2011	ND	22.70	ND	75.71	75.71
	05/16/2011	ND	19.45	ND	78.96	78.96
	08/08/2011	ND	22.40	ND	76.01	76.01
	10/31/2011	ND	22.64	ND	75.77	75.77
	02/01/2012	ND	22.16	ND	76.25	76.25
MW-07D [68, 63 - 68]						
	04/05/2004	ND	13.65	ND	87.89	87.89
	07/01/2004	ND	15.21	ND	86.33	86.33
	08/17/2004	ND	15.61	ND	85.93	85.93
	09/10/2004	ND	15.64	ND	85.90	85.90
	10/04/2004	ND	17.32	ND	84.22	84.22
	01/03/2005	ND	17.40	ND	84.14	84.14
	04/13/2005	ND	14.39	ND	87.15	87.15
	08/17/2005	ND	16.92	ND	84.62	84.62
	11/17/2005	ND	17.92	ND	83.62	83.62
	03/30/2006	ND	16.78	ND	84.76	84.76
	06/29/2006	ND	17.65	ND	83.89	83.89
	09/28/2006	ND	20.22	ND	81.32	81.32
	12/19/2006	ND	18.59	ND	82.95	82.95
	03/06/2007	ND	17.82	ND	83.72	83.72
	06/22/2007	ND	18.50	ND	83.04	83.04
	09/25/2007	ND	21.63	ND	79.91	79.91
	12/05/2007	ND	22.86	ND	78.68	78.68
	03/25/2008	ND	19.89	ND	81.65	81.65
	06/24/2008	ND	17.48	ND	84.06	84.06
	09/15/2008	ND	21.11	ND	80.43	80.43
	12/12/2008	ND	22.19	ND	79.35	79.35
	02/20/2009	ND	20.74	ND	80.80	80.80
	05/07/2009	ND	18.83	ND	82.71	82.71
	09/23/2009	ND	20.15	ND	81.39	81.39
	12/07/2009	ND	18.67	ND	82.87	82.87
	03/11/2010	ND	14.76	ND	86.78	86.78

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Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-07D [68, 63 - 68]						
	09/27/2010	ND	19.64	ND	81.90	81.90
	12/02/2010	ND	19.53	ND	82.01	82.01
	02/14/2011	ND	19.61	ND	81.93	81.93
	05/16/2011	ND	13.96	ND	87.58	87.58
	08/08/2011	ND	20.45	ND	81.09	81.09
	10/31/2011	ND	19.28	ND	82.26	82.26
	02/01/2012	ND	18.03	ND	83.51	83.51
MW-07S [29, 4 - 29]						
	04/05/2004	ND	14.35	ND	87.72	87.72
	07/01/2004	ND	15.80	ND	86.27	86.27
	08/17/2004	ND	16.20	ND	85.87	85.87
	09/10/2004	ND	17.10	ND	84.97	84.97
	10/04/2004	ND	17.85	ND	84.22	84.22
	01/03/2005	ND	18.00	ND	84.07	84.07
	04/13/2005	ND	14.82	ND	87.25	87.25
	08/17/2005	ND	17.36	ND	84.71	84.71
	11/17/2005	ND	18.34	ND	83.73	83.73
	03/30/2006	ND	17.35	ND	84.72	84.72
	06/29/2006	ND	18.61	ND	83.46	83.46
	09/28/2006	ND	20.70	ND	81.37	81.37
	12/19/2006	ND	19.03	ND	83.04	83.04
	03/06/2007	ND	18.61	ND	83.46	83.46
	06/22/2007	ND	18.98	ND	83.09	83.09
	09/25/2007	ND	23.05	ND	79.02	79.02
	12/05/2007	ND	23.51	ND	78.56	78.56
	03/25/2008	ND	20.52	ND	81.55	81.55
	06/24/2008	ND	19.00	ND	83.07	83.07
	09/15/2008	ND	21.61	ND	80.46	80.46
	12/12/2008	ND	23.11	ND	78.96	78.96
	02/20/2009	ND	21.52	ND	80.55	80.55
	05/07/2009	ND	19.65	ND	82.42	82.42
	09/23/2009	ND	20.32	ND	81.75	81.75
	12/07/2009	ND	19.57	ND	82.50	82.50
	03/11/2010	ND	15.09	ND	86.98	86.98
	09/27/2010	ND	20.18	ND	81.89	81.89
	12/02/2010	ND	20.18	ND	81.89	81.89
	02/14/2011	ND	20.50	ND	81.57	81.57
	05/16/2011	ND	14.58	ND	87.49	87.49
	08/08/2011	ND	21.03	ND	81.04	81.04
	10/31/2011	ND	19.97	ND	82.10	82.10

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Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-07S [29, 4 - 29]						
	02/01/2012	ND	18.79	ND	83.28	83.28
MW-08D [50, 50 - 55]						
	04/05/2004	ND	12.59	ND	80.87	80.87
	07/01/2004	ND	14.75	ND	78.71	78.71
	08/17/2004	ND	15.34	ND	78.12	78.12
	09/10/2004	ND	16.25	ND	77.21	77.21
	10/04/2004	ND	16.80	ND	76.66	76.66
	01/03/2005	ND	16.73	ND	76.73	76.73
	04/13/2005	ND	13.30	ND	80.16	80.16
	08/17/2005	ND	16.27	ND	77.19	77.19
	11/17/2005	ND	17.55	ND	75.91	75.91
	03/30/2006	ND	15.26	ND	78.20	78.20
	06/29/2006	ND	16.54	ND	76.92	76.92
	09/28/2006	ND	19.20	ND	74.26	74.26
	12/19/2006	ND	17.92	ND	75.54	75.54
	03/06/2007	ND	16.41	ND	77.05	77.05
	06/22/2007	ND	16.50	ND	76.96	76.96
	09/25/2007	ND	20.52	ND	72.94	72.94
	12/05/2007	ND	21.23	ND	72.23	72.23
	03/25/2008	ND	18.50	ND	74.96	74.96
	06/24/2008	ND	15.83	ND	77.63	77.63
	09/15/2008	ND	19.76	ND	73.70	73.70
	12/12/2008	ND	20.45	ND	73.01	73.01
	02/20/2009	ND	19.38	ND	74.08	74.08
	05/07/2009	ND	17.02	ND	76.44	76.44
	09/23/2009	ND	18.47	ND	74.99	74.99
	12/07/2009	ND	17.77	ND	75.69	75.69
	03/11/2010	ND	14.07	ND	79.39	79.39
	05/17/2010	ND	13.86	ND	79.60	79.60
	09/27/2010	ND	19.00	ND	74.46	74.46
	12/02/2010	ND	18.76	ND	74.70	74.70
	02/14/2011	ND	25.40	ND	68.06	68.06
	05/16/2011	ND	17.93	ND	75.53	75.53
	08/08/2011	ND	21.74	ND	71.72	71.72
	10/31/2011	ND	21.56	ND	71.90	71.90
	02/01/2012	ND	19.85	ND	73.61	73.61
MW-08S [24, 4 - 20]						
	04/05/2004	ND	13.03	ND	80.30	80.30
	07/01/2004	ND	15.07	ND	78.26	78.26

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Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-08S [24, 4 - 20]						
	08/17/2004	ND	15.82	ND	77.51	77.51
	09/10/2004	ND	16.68	ND	76.65	76.65
	10/04/2004	ND	17.23	ND	76.10	76.10
	01/03/2005	ND	17.27	ND	76.06	76.06
	04/13/2005	ND	13.72	ND	79.61	79.61
	08/17/2005	ND	16.65	ND	76.68	76.68
	11/17/2005	ND	18.19	ND	75.14	75.14
	03/30/2006	ND	15.60	ND	77.73	77.73
	06/29/2006	ND	17.27	ND	76.06	76.06
	09/28/2006	ND	19.75	ND	73.58	73.58
	12/19/2006	ND	18.29	ND	75.04	75.04
	03/06/2007	ND	17.39	ND	75.94	75.94
	06/22/2007	ND	16.88	ND	76.45	76.45
	09/25/2007	ND	21.30	ND	72.03	72.03
	12/05/2007	ND	22.18	ND	71.15	71.15
	03/25/2008	ND	19.22	ND	74.11	74.11
	06/24/2008	ND	16.17	ND	77.16	77.16
	09/15/2008	ND	20.28	ND	73.05	73.05
	12/12/2008	ND	21.23	ND	72.10	72.10
	02/20/2009	ND	20.04	ND	73.29	73.29
	05/07/2009	ND	17.90	ND	75.43	75.43
	09/23/2009	ND	19.03	ND	74.30	74.30
	12/07/2009	ND	18.32	ND	75.01	75.01
	03/11/2010	ND	14.35	ND	78.98	78.98
	05/17/2010	ND	13.00	ND	80.33	80.33
	09/27/2010	ND	19.02	ND	74.31	74.31
	12/02/2010	ND	19.96	ND	73.37	73.37
	02/14/2011	ND	21.30	ND	72.03	72.03
	05/16/2011	ND	18.60	ND	74.73	74.73
	08/08/2011	ND	22.26	ND	71.07	71.07
	10/31/2011	ND	22.44	ND	70.89	70.89
	02/01/2012	ND	20.50	ND	72.83	72.83
MW-09D [30, 28 - 30]						
	04/05/2004	ND	3.88	ND	88.56	88.56
	07/01/2004	ND	4.17	ND	88.27	88.27
	08/17/2004	ND	4.31	ND	88.13	88.13
	10/05/2004	ND	5.59	ND	86.85	86.85
	01/03/2005	ND	5.58	ND	86.86	86.86
	04/13/2005	ND	4.32	ND	88.12	88.12
	08/17/2005	ND	5.09	ND	87.35	87.35

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Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-09D [30, 28 - 30]						
	11/17/2005	ND	5.77	ND	86.67	86.67
	03/30/2006	ND	5.70	ND	86.74	86.74
	06/29/2006	ND	4.78	ND	87.66	87.66
	09/28/2006	ND	7.10	ND	85.34	85.34
	12/19/2006	ND	6.69	ND	85.75	85.75
	03/06/2007	ND	5.85	ND	86.59	86.59
	06/22/2007	ND	7.35	ND	85.09	85.09
	09/25/2007	ND	8.80	ND	83.64	83.64
	12/05/2007	ND	9.50	ND	82.94	82.94
	03/25/2008	ND	7.37	ND	85.07	85.07
	06/24/2008	ND	6.29	ND	86.15	86.15
	09/15/2008	ND	8.10	ND	84.34	84.34
	12/12/2008	ND	8.15	ND	84.29	84.29
	02/20/2009	ND	8.39	ND	84.05	84.05
	05/07/2009	ND	5.01	ND	87.43	87.43
	09/23/2009	ND	7.28	ND	85.16	85.16
	12/07/2009	ND	5.77	ND	86.67	86.67
	03/11/2010	ND	4.30	ND	88.14	88.14
	05/17/2010	ND	4.85	ND	87.59	87.59
	09/27/2010	ND	6.71	ND	85.73	85.73
	12/02/2010	ND	6.35	ND	86.09	86.09
	02/14/2011	ND	6.58	ND	85.86	85.86
	05/16/2011	ND	5.62	ND	86.82	86.82
	08/08/2011	ND	7.69	ND	84.75	84.75
	10/31/2011	ND	6.24	ND	86.20	86.20
	02/01/2012	ND	6.19	ND	86.25	86.25
MW-09S [20, 5 - 20]						
	04/05/2004	ND	3.47	ND	88.43	88.43
	07/01/2004	ND	4.46	ND	87.44	87.44
	08/17/2004	ND	4.43	ND	87.47	87.47
	10/05/2004	ND	5.57	ND	86.33	86.33
	01/03/2005	ND	5.54	ND	86.36	86.36
	04/13/2005	ND	4.56	ND	87.34	87.34
	08/17/2005	ND	5.18	ND	86.72	86.72
	11/17/2005	ND	5.68	ND	86.22	86.22
	03/30/2006	ND	5.65	ND	86.25	86.25
	06/29/2006	ND	4.78	ND	87.12	87.12
	09/28/2006	ND	6.88	ND	85.02	85.02
	12/19/2006	ND	6.39	ND	85.51	85.51
	03/06/2007	ND	5.71	ND	86.19	86.19

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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-09S [20, 5 - 20]						
	06/22/2007	ND	6.32	ND	85.58	85.58
	09/25/2007	ND	8.40	ND	83.50	83.50
	12/05/2007	ND	9.23	ND	82.67	82.67
	03/25/2008	ND	7.04	ND	84.86	84.86
	06/24/2008	ND	6.21	ND	85.69	85.69
	09/15/2008	ND	7.92	ND	83.98	83.98
	12/12/2008	ND	7.55	ND	84.35	84.35
	02/20/2009	ND	8.07	ND	83.83	83.83
	05/07/2009	ND	5.25	ND	86.65	86.65
	09/23/2009	ND	7.16	ND	84.74	84.74
	12/07/2009	ND	5.43	ND	86.47	86.47
	03/11/2010	ND	4.47	ND	87.43	87.43
	05/17/2010	ND	4.78	ND	87.12	87.12
	09/27/2010	ND	6.57	ND	85.33	85.33
	12/02/2010	ND	6.06	ND	85.84	85.84
	02/14/2011	ND	6.31	ND	85.59	85.59
	05/16/2011	ND	5.58	ND	86.32	86.32
	08/08/2011	ND	7.55	ND	84.35	84.35
	10/31/2011	ND	5.95	ND	85.95	85.95
	02/01/2012	ND	6.00	ND	85.90	85.90
MW-11D [56, 51 - 56]						
	07/08/2004	ND	9.65	ND	89.76	89.76
	08/17/2004	ND	10.19	ND	89.22	89.22
	09/10/2004	ND	11.17	ND	88.24	88.24
	10/04/2004	ND	11.73	ND	87.68	87.68
	01/03/2005	ND	11.93	ND	87.48	87.48
	04/13/2005	ND	9.68	ND	89.73	89.73
	08/17/2005	ND	11.27	ND	88.14	88.14
	11/17/2005	ND	12.19	ND	87.22	87.22
	03/30/2006	ND	11.62	ND	87.79	87.79
	06/29/2006	ND	12.95	ND	86.46	86.46
	09/28/2006	ND	14.12	ND	85.29	85.29
	12/19/2006	ND	13.09	ND	86.32	86.32
	03/06/2007	ND	12.24	ND	87.17	87.17
	06/22/2007	ND	12.75	ND	86.66	86.66
	09/25/2007	ND	15.17	ND	84.24	84.24
	12/05/2007	ND	15.00	ND	84.41	84.41
	03/25/2008	ND	14.12	ND	85.29	85.29
	06/24/2008	ND	12.10	ND	87.31	87.31
	09/15/2008	ND	15.08	ND	84.33	84.33

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Well Gauge Report
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Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-11D [56, 51 - 56]						
	12/12/2008	ND	15.87	ND	83.54	83.54
	02/20/2009	ND	15.17	ND	84.24	84.24
	05/07/2009	ND	12.92	ND	86.49	86.49
	09/23/2009	ND	14.33	ND	85.08	85.08
	12/07/2009	ND	12.68	ND	86.73	86.73
	03/11/2010	ND	9.41	ND	90.00	90.00
	05/17/2010	ND	10.17	ND	89.24	89.24
	09/27/2010	ND	12.40	ND	87.01	87.01
	12/02/2010	ND	13.41	ND	86.00	86.00
	02/14/2011	ND	14.59	ND	84.82	84.82
	05/16/2011	ND	12.20	ND	87.21	87.21
	08/08/2011	ND	14.72	ND	84.69	84.69
	10/31/2011	ND	13.56	ND	85.85	85.85
	02/01/2012	ND	13.28	ND	86.13	86.13
MW-11R [100, 90 - 100]						
	07/01/2004	ND	44.98	ND	54.77	54.77
	08/17/2004	ND	16.43	ND	83.32	83.32
	09/10/2004	ND	13.07	ND	86.68	86.68
	10/04/2004	ND	12.22	ND	87.53	87.53
	01/03/2005	ND	13.52	ND	86.23	86.23
	04/13/2005	ND	10.47	ND	89.28	89.28
	08/17/2005	ND	10.88	ND	88.87	88.87
	11/17/2005	ND	12.24	ND	87.51	87.51
	03/30/2006	ND	11.08	ND	88.67	88.67
	06/29/2006	ND	11.68	ND	88.07	88.07
	09/28/2006	ND	14.03	ND	85.72	85.72
	12/19/2006	ND	14.35	ND	85.40	85.40
	03/06/2007	ND	16.81	ND	82.94	82.94
	06/22/2007	ND	14.05	ND	85.70	85.70
	09/25/2007	ND	17.90	ND	81.85	81.85
	12/05/2007	ND	22.00	ND	77.75	77.75
	03/25/2008	ND	16.95	ND	82.80	82.80
	06/24/2008	ND	15.58	ND	84.17	84.17
	09/15/2008	ND	18.68	ND	81.07	81.07
	12/12/2008	ND	20.35	ND	79.40	79.40
	02/20/2009	ND	22.32	ND	77.43	77.43
	05/07/2009	ND	19.51	ND	80.24	80.24
	09/23/2009	ND	15.85	ND	83.90	83.90
	12/07/2009	ND	18.85	ND	80.90	80.90
	03/11/2010	ND	15.24	ND	84.51	84.51

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Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-11R [100, 90 - 100]						
	05/17/2010	ND	17.39	ND	82.36	82.36
	09/27/2010	ND	15.52	ND	84.23	84.23
	12/02/2010	ND	21.73	ND	78.02	78.02
	02/14/2011	ND	21.21	ND	78.54	78.54
	05/16/2011	ND	15.34	ND	84.41	84.41
	08/08/2011	ND	17.99	ND	81.76	81.76
	10/31/2011	ND	17.89	ND	81.86	81.86
	02/01/2012	ND	16.75	ND	83.00	83.00
MW-11S [24, 9 - 24]						
	07/08/2004	ND	10.08	ND	89.64	89.64
	08/17/2004	ND	10.44	ND	89.28	89.28
	09/10/2004	ND	11.55	ND	88.17	88.17
	10/04/2004	ND	12.06	ND	87.66	87.66
	01/03/2005	ND	12.19	ND	87.53	87.53
	04/13/2005	ND	9.67	ND	90.05	90.05
	08/17/2005	ND	11.63	ND	88.09	88.09
	11/17/2005	ND	12.50	ND	87.22	87.22
	03/30/2006	ND	11.82	ND	87.90	87.90
	06/29/2006	ND	11.75	ND	87.97	87.97
	09/28/2006	ND	14.25	ND	85.47	85.47
	12/19/2006	ND	12.62	ND	87.10	87.10
	03/06/2007	ND	12.34	ND	87.38	87.38
	06/22/2007	ND	12.90	ND	86.82	86.82
	09/25/2007	ND	16.38	ND	83.34	83.34
	12/05/2007	ND	15.50	ND	84.22	84.22
	03/25/2008	ND	14.15	ND	85.57	85.57
	06/24/2008	ND	12.38	ND	87.34	87.34
	09/15/2008	ND	15.45	ND	84.27	84.27
	12/12/2008	ND	16.09	ND	83.63	83.63
	02/20/2009	ND	15.21	ND	84.51	84.51
	05/07/2009	ND	13.03	ND	86.69	86.69
	09/23/2009	ND	14.20	ND	85.52	85.52
	12/07/2009	ND	12.37	ND	87.35	87.35
	03/11/2010	ND	9.41	ND	90.31	90.31
	05/17/2010	ND	10.56	ND	89.16	89.16
	09/27/2010	ND	13.83	ND	85.89	85.89
	12/02/2010	ND	13.78	ND	85.94	85.94
	02/14/2011	ND	13.41	ND	86.31	86.31
	05/16/2011	ND	12.14	ND	87.58	87.58
	08/08/2011	ND	14.82	ND	84.90	84.90

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Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-11S [24, 9 - 24]						
	10/31/2011	ND	13.62	ND	86.10	86.10
	02/01/2012	ND	13.05	ND	86.67	86.67
MW-12 [90, 50 - 90]						
	06/22/2007	Well Not Gauged				
	09/25/2007	ND	21.66	ND	78.28	78.28
	12/05/2007	ND	22.57	ND	77.37	77.37
	03/25/2008	ND	20.05	ND	79.89	79.89
	06/24/2008	ND	17.50	ND	82.44	82.44
	09/15/2008	ND	20.92	ND	79.02	79.02
	12/12/2008	ND	21.87	ND	78.07	78.07
	02/20/2009	ND	20.70	ND	79.24	79.24
	05/07/2009	ND	18.81	ND	81.13	81.13
	09/23/2009	ND	19.62	ND	80.32	80.32
	12/07/2009	ND	18.84	ND	81.10	81.10
	03/11/2010	ND	15.23	ND	84.71	84.71
	05/17/2010	ND	15.69	ND	84.25	84.25
	09/27/2010	ND	19.99	ND	79.95	79.95
	12/02/2010	ND	20.02	ND	79.92	79.92
	02/14/2011	ND	22.88	ND	77.06	77.06
	05/16/2011	ND	18.58	ND	81.36	81.36
	08/08/2011	ND	23.82	ND	76.12	76.12
	10/31/2011	ND	21.21	ND	78.73	78.73
	02/01/2012	ND	22.52	ND	77.42	77.42
MW-13D [65, 45 - 65]						
	11/25/2008	ND	10.88	ND	80.17	80.17
	12/12/2008	ND	10.67	ND	80.38	80.38
	02/20/2009	ND	9.93	ND	81.12	81.12
	05/07/2009	ND	8.00	ND	83.05	83.05
	09/23/2009	ND	9.74	ND	81.31	81.31
	12/07/2009	ND	7.88	ND	83.17	83.17
	03/11/2010	ND	5.46	ND	85.59	85.59
	05/17/2010	ND	6.10	ND	84.95	84.95
	09/27/2010	ND	9.78	ND	81.27	81.27
	12/02/2010	ND	8.99	ND	82.06	82.06
	02/14/2011	ND	9.70	ND	81.35	81.35
	05/16/2011	ND	8.50	ND	82.55	82.55
	08/08/2011	ND	10.82	ND	80.23	80.23
	10/31/2011	ND	9.95	ND	81.10	81.10
	02/01/2012	ND	9.21	ND	81.84	81.84

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MW-13S [35, 20 - 30]						
	11/25/2008	ND	13.30	ND	78.69	78.69
	12/12/2008	ND	13.20	ND	78.79	78.79
	02/20/2009	ND	13.20	ND	78.79	78.79
	05/07/2009	ND	9.24	ND	82.75	82.75
	09/23/2009	ND	12.15	ND	79.84	79.84
	12/07/2009	ND	9.98	ND	82.01	82.01
	03/11/2010	ND	7.22	ND	84.77	84.77
	05/17/2010	ND	8.64	ND	83.35	83.35
	09/27/2010	ND	12.10	ND	79.89	79.89
	12/02/2010	ND	11.32	ND	80.67	80.67
	02/14/2011	ND	11.55	ND	80.44	80.44
	02/18/2011	ND	11.55	ND	80.44	80.44
	05/16/2011	ND	10.80	ND	81.19	81.19
	08/08/2011	ND	13.63	ND	78.36	78.36
	10/31/2011	ND	12.50	ND	79.49	79.49
	02/01/2012	ND	11.61	ND	80.38	80.38
MW-14D [65, 45 - 65]						
	11/25/2008	ND	17.15	ND	77.42	77.42
	12/12/2008	ND	17.08	ND	77.49	77.49
	02/20/2009	ND	16.04	ND	78.53	78.53
	05/07/2009	ND	13.78	ND	80.79	80.79
	09/23/2009	ND	15.82	ND	78.75	78.75
	12/07/2009	ND	13.47	ND	81.10	81.10
	03/11/2010	ND	11.24	ND	83.33	83.33
	05/17/2010	ND	11.92	ND	82.65	82.65
	09/27/2010	ND	14.42	ND	80.15	80.15
	12/02/2010	ND	15.15	ND	79.42	79.42
	02/18/2011	ND	16.79	ND	77.78	77.78
	05/16/2011	ND	16.00	ND	78.57	78.57
	08/08/2011	ND	18.06	ND	76.51	76.51
	10/31/2011	ND	17.74	ND	76.83	76.83
	02/01/2012	ND	17.75	ND	76.82	76.82
MW-14S [30, 15 - 30]						
	11/25/2008	ND	18.97	ND	75.49	75.49
	12/12/2008	ND	18.83	ND	75.63	75.63
	02/20/2009	ND	17.67	ND	76.79	76.79
	05/07/2009	ND	15.02	ND	79.44	79.44
	09/23/2009	ND	17.43	ND	77.03	77.03
	12/07/2009	ND	15.59	ND	78.87	78.87

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Former Shell Service Station #137675

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MW-14S [30, 15 - 30]						
	03/11/2010	ND	12.10	ND	82.36	82.36
	05/17/2010	ND	13.01	ND	81.45	81.45
	09/27/2010	ND	17.33	ND	77.13	77.13
	12/02/2010	ND	16.98	ND	77.48	77.48
	02/18/2011	ND	18.26	ND	76.20	76.20
	05/16/2011	ND	16.40	ND	78.06	78.06
	08/08/2011	ND	19.74	ND	74.72	74.72
	10/31/2011	ND	19.32	ND	75.14	75.14
	02/01/2012	ND	18.17	ND	76.29	76.29
MW-15D [65, 45 - 65]						
	11/25/2008	ND	17.59	ND	75.16	75.16
	12/12/2008	ND	17.55	ND	75.20	75.20
	02/20/2009	ND	16.57	ND	76.18	76.18
	05/07/2009	ND	14.43	ND	78.32	78.32
	09/23/2009	ND	16.31	ND	76.44	76.44
	12/07/2009	ND	15.30	ND	77.45	77.45
	03/11/2010	ND	12.37	ND	80.38	80.38
	05/17/2010	ND	11.98	ND	80.77	80.77
	09/27/2010	ND	15.80	ND	76.95	76.95
	12/02/2010	ND	15.82	ND	76.93	76.93
	02/17/2011	ND	17.41	ND	75.34	75.34
	05/16/2011	ND	15.30	ND	77.45	77.45
	08/08/2011	ND	18.83	ND	73.92	73.92
	10/31/2011	ND	17.91	ND	74.84	74.84
	02/01/2012	ND	17.19	ND	75.56	75.56
MW-15S [30, 15 - 30]						
	11/25/2008	ND	19.13	ND	73.48	73.48
	12/12/2008	ND	18.93	ND	73.68	73.68
	02/20/2009	ND	17.87	ND	74.74	74.74
	05/07/2009	ND	15.22	ND	77.39	77.39
	09/23/2009	ND	17.46	ND	75.15	75.15
	12/07/2009	ND	15.85	ND	76.76	76.76
	03/11/2010	ND	11.67	ND	80.94	80.94
	05/17/2010	ND	12.96	ND	79.65	79.65
	09/27/2010	ND	17.70	ND	74.91	74.91
	12/02/2010	ND	17.32	ND	75.29	75.29
	02/17/2011	ND	18.96	ND	73.65	73.65
	05/16/2011	ND	16.83	ND	75.78	75.78
	08/08/2011	ND	20.50	ND	72.11	72.11

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MW-15S [30, 15 - 30]						
	10/31/2011	ND	20.12	ND	72.49	72.49
	02/01/2012	ND	18.56	ND	74.05	74.05
MW-16D [60, 40 - 60]						
	05/07/2009	ND	10.14	ND	80.14	80.14
	09/23/2009	ND	10.40	ND	79.88	79.88
	12/07/2009	ND	8.04	ND	82.24	82.24
	03/11/2010	ND	6.59	ND	83.69	83.69
	05/17/2010	ND	7.54	ND	82.74	82.74
	09/27/2010	ND	11.95	ND	78.33	78.33
	12/02/2010	ND	10.23	ND	80.05	80.05
	02/14/2011	ND	11.24	ND	79.04	79.04
	02/18/2011	ND	11.24	ND	79.04	79.04
	05/16/2011	ND	11.40	ND	78.88	78.88
	08/08/2011	ND	12.72	ND	77.56	77.56
	10/31/2011	ND	12.81	ND	77.47	77.47
	02/01/2012	ND	13.34	ND	76.94	76.94
MW-16S [30, 10 - 30]						
	05/07/2009	ND	9.48	ND	80.64	80.64
	09/23/2009	ND	12.04	ND	78.08	78.08
	12/07/2009	ND	9.84	ND	80.28	80.28
	03/11/2010	ND	7.35	ND	82.77	82.77
	05/17/2010	ND	8.75	ND	81.37	81.37
	09/27/2010	ND	11.92	ND	78.20	78.20
	12/02/2010	ND	11.17	ND	78.95	78.95
	02/14/2011	ND	11.44	ND	78.68	78.68
	02/18/2011	ND	11.44	ND	78.68	78.68
	05/16/2011	ND	10.88	ND	79.24	79.24
	08/08/2011	ND	13.66	ND	76.46	76.46
	10/31/2011	ND	12.71	ND	77.41	77.41
	02/01/2012	ND	12.04	ND	78.08	78.08
MW-17D [60, 40 - 60]						
	05/07/2009	ND	10.83	ND	77.96	77.96
	09/23/2009	ND	12.59	ND	76.20	76.20
	12/07/2009	ND	10.88	ND	77.91	77.91
	03/11/2010	ND	7.99	ND	80.80	80.80
	05/17/2010	ND	9.59	ND	79.20	79.20
	09/27/2010	ND	11.90	ND	76.89	76.89
	12/02/2010	ND	12.11	ND	76.68	76.68
	02/17/2011	ND	13.51	ND	75.28	75.28

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MW-17D [60, 40 - 60]						
	05/16/2011	ND	11.90	ND	76.89	76.89
	08/08/2011	ND	15.18	ND	73.61	73.61
	10/31/2011	ND	14.51	ND	74.28	74.28
	02/01/2012	ND	13.24	ND	75.55	75.55
MW-17S [30, 10 - 30]						
	05/07/2009	ND	11.06	ND	77.70	77.70
	09/23/2009	ND	10.58	ND	78.18	78.18
	12/07/2009	ND	11.61	ND	77.15	77.15
	03/11/2010	ND	8.85	ND	79.91	79.91
	05/17/2010	ND	9.57	ND	79.19	79.19
	09/27/2010	ND	13.88	ND	74.88	74.88
	12/02/2010	ND	13.17	ND	75.59	75.59
	02/17/2011	ND	14.52	ND	74.24	74.24
	05/16/2011	ND	10.80	ND	77.96	77.96
	08/08/2011	ND	16.39	ND	72.37	72.37
	10/31/2011	ND	15.49	ND	73.27	73.27
	02/01/2012	ND	14.11	ND	74.65	74.65
MW-17W [68, 63 - 68]						
	05/07/2009	ND	10.45	ND	78.67	78.67
	09/23/2009	ND	11.66	ND	77.46	77.46
	12/07/2009	ND	9.37	ND	79.75	79.75
	03/11/2010	ND	7.24	ND	81.88	81.88
	05/17/2010	ND	7.65	ND	81.47	81.47
	09/27/2010	ND	10.46	ND	78.66	78.66
	12/02/2010	ND	11.50	ND	77.62	77.62
	02/17/2011	ND	12.72	ND	76.40	76.40
	05/16/2011	ND	10.20	ND	78.92	78.92
	08/08/2011	ND	13.68	ND	75.44	75.44
	10/31/2011	ND	13.15	ND	75.97	75.97
	02/01/2012	ND	12.78	ND	76.34	76.34
MW-18 [80, 70 - 80]						
	05/07/2009	ND	19.65	ND	81.49	81.49
	09/23/2009	ND	20.11	ND	81.03	81.03
	12/07/2009	ND	20.78	ND	80.36	80.36
	03/11/2010	ND	18.25	ND	82.89	82.89
	05/17/2010	ND	16.73	ND	84.41	84.41
	09/27/2010	ND	21.30	ND	79.84	79.84
	12/02/2010	ND	20.29	ND	80.85	80.85
	02/14/2011	ND	21.28	ND	79.86	79.86

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Table 1
Well Gauge Report
Former Shell Service Station #137675

Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
MW-18 [80, 70 - 80]						
	05/16/2011	ND	18.71	ND	82.43	82.43
	08/08/2011	ND	23.07	ND	78.07	78.07
	10/31/2011	ND	21.54	ND	79.60	79.60
	02/01/2012	ND	21.61	ND	79.53	79.53
MW-24D [54, 40 - 54]						
	12/02/2010	ND	6.05	ND	78.49	78.49
	02/17/2011	ND	6.40	ND	78.14	78.14
	05/16/2011	ND	6.00	ND	78.54	78.54
	08/08/2011	ND	7.87	ND	76.67	76.67
	10/31/2011	ND	7.96	ND	76.58	76.58
	02/01/2012	ND	7.74	ND	76.80	76.80
MW-24S [30, 15 - 30]						
	12/02/2010	ND	7.63	ND	77.05	77.05
	02/14/2011	ND	8.33	ND	76.35	76.35
	05/16/2011	ND	8.05	ND	76.63	76.63
	08/08/2011	ND	10.56	ND	74.12	74.12
	10/31/2011	ND	9.19	ND	75.49	75.49
	02/01/2012	ND	8.75	ND	75.93	75.93
MW-25D [52, 40 - 52]						
	12/02/2010	ND	5.52	ND	76.51	76.51
	02/17/2011	ND	7.85	ND	74.18	74.18
	05/16/2011	ND	6.84	ND	75.19	75.19
	08/08/2011	ND	9.90	ND	72.13	72.13
	10/31/2011	ND	9.16	ND	72.87	72.87
	02/01/2012	ND	7.96	ND	74.07	74.07
MW-25S [30, 15 - 30]						
	12/02/2010	ND	6.94	ND	74.92	74.92
	02/14/2011	ND	8.40	ND	73.46	73.46
	05/16/2011	ND	7.50	ND	74.36	74.36
	08/08/2011	ND	10.69	ND	71.17	71.17
	10/31/2011	ND	9.11	ND	72.75	72.75
	02/01/2012	ND	8.20	ND	73.66	73.66
MW-26D [46, 40 - 46]						
	12/02/2010	ND	13.26	ND	71.69	71.69
	01/11/2011	ND	15.91	ND	69.04	69.04
	02/15/2011	ND	15.75	ND	69.20	69.20
	03/07/2011	ND	14.04	ND	70.91	70.91
	04/18/2011	ND	13.53	ND	71.42	71.42

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Well Gauge Report
Former Shell Service Station #137675

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MW-26D [46, 40 - 46]						
	05/16/2011	ND	12.70	ND	72.25	72.25
	08/08/2011	ND	16.55	ND	68.40	68.40
	10/31/2011	ND	16.56	ND	68.39	68.39
	02/01/2012	ND	15.15	ND	69.80	69.80
MW-26S [30, 15 - 30]						
	12/02/2010	ND	14.10	ND	71.20	71.20
	01/11/2011	ND	15.44	ND	69.86	69.86
	02/15/2011	ND	15.34	ND	69.96	69.96
	03/07/2011	ND	14.98	ND	70.32	70.32
	04/18/2011	ND	14.13	ND	71.17	71.17
	05/16/2011	ND	13.15	ND	72.15	72.15
	08/08/2011	ND	17.02	ND	68.28	68.28
	10/31/2011	ND	16.72	ND	68.58	68.58
	02/01/2012	ND	15.22	ND	70.08	70.08
RW-01 [25, 5 - 25]						
	01/06/2004	ND	3.71	ND	97.18	94.59
	04/05/2004	ND	4.00	ND	96.89	94.30
	08/17/2004	ND	22.20	ND	78.69	78.69
	09/10/2004	ND	21.40	ND	79.49	79.49
	10/05/2004	ND	21.50	ND	79.39	79.39
	01/03/2005	ND	21.45	ND	79.44	79.44
	04/13/2005	ND	21.40	ND	79.49	79.49
	09/28/2006	ND	11.49	ND	89.40	89.40
	03/06/2007	ND	22.30	ND	78.59	78.59
	06/22/2007	ND	22.10	ND	78.79	78.79
	09/25/2007	ND	18.02	ND	82.87	82.87
	12/05/2007	ND	18.40	ND	82.49	82.49
	03/25/2008	ND	21.80	ND	79.09	79.09
	06/24/2008	ND	11.58	ND	89.31	89.31
	09/15/2008	ND	17.20	ND	83.69	83.69
	12/12/2008	ND	17.30	ND	83.59	83.59
	02/20/2009	ND	18.68	ND	82.21	82.21
	05/07/2009	ND	16.99	ND	83.90	83.90
	09/23/2009	ND	16.87	ND	84.02	84.02
	12/07/2009	ND	21.32	ND	79.57	79.57
	03/11/2010	ND	16.17	ND	84.72	84.72
	05/17/2010	ND	16.40	ND	84.49	84.49
	09/27/2010	ND	16.78	ND	84.11	84.11
	12/02/2010	ND	20.48	ND	80.41	80.41

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Well Gauge Report
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Well Name	*Date*	*Depth to Product (ft)*	*Depth to Water (ft)*	*Product Thickness (ft)*	*Groundwater Elevation (ft)*	*Corrected GW Elevation (ft)*
RW-01 [25, 5 - 25]						
	02/15/2011	ND	14.83	ND	86.06	86.06
	05/16/2011	ND	13.12	ND	87.77	87.77
	10/31/2011	Well Not Gauged - Well Inaccessible				
RW-03 [23, 3 - 23]						
	01/06/2004	ND	3.83	ND	96.53	94.07
	04/05/2004	ND	3.96	ND	96.40	93.94
	08/17/2004	ND	19.70	ND	80.66	80.66
	09/10/2004	ND	19.80	ND	80.56	80.56
	10/05/2004	ND	19.75	ND	80.61	80.61
	01/03/2005	ND	19.78	ND	80.58	80.58
	04/13/2005	ND	19.75	ND	80.61	80.61
	09/29/2006	ND	11.52	ND	88.84	88.84
	03/06/2007	ND	17.40	ND	82.96	82.96
	06/22/2007	ND	17.30	ND	83.06	83.06
	09/25/2007	ND	15.18	ND	85.18	85.18
	12/05/2007	ND	15.61	ND	84.75	84.75
	03/25/2008	ND	18.50	ND	81.86	81.86
	06/24/2008	ND	20.20	ND	80.16	80.16
	09/15/2008	ND	16.90	ND	83.46	83.46
	12/12/2008	ND	16.86	ND	83.50	83.50
	02/20/2009	ND	20.36	ND	80.00	80.00
	05/07/2009	ND	18.68	ND	81.68	81.68
	09/23/2009	ND	20.70	ND	79.66	79.66
	12/07/2009	ND	20.10	ND	80.26	80.26
	03/11/2010	ND	10.90	ND	89.46	89.46
	09/27/2010	ND	17.45	ND	82.91	82.91
	12/02/2010	ND	17.60	ND	82.76	82.76
	05/16/2011	ND	13.20	ND	87.16	87.16
	10/31/2011	Well Not Gauged - Well Inaccessible				
RW-10 [20, 5 - 20]						
	04/05/2004	ND	4.15	ND	95.73	93.66
	07/01/2004	ND	5.43	ND	94.45	94.45
	08/17/2004	ND	14.25	ND	85.63	85.63
	09/10/2004	ND	13.60	ND	86.28	86.28
	10/05/2004	ND	14.10	ND	85.78	85.78
	01/03/2005	ND	14.20	ND	85.68	85.68
	04/13/2005	ND	14.15	ND	85.73	85.73
	09/29/2006	ND	10.74	ND	89.14	89.14
	03/06/2007	ND	13.30	ND	86.58	86.58

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Well Gauge Report
Former Shell Service Station #137675

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RW-10 [20, 5 - 20]						
	06/22/2007	ND	13.21	ND	86.67	86.67
	09/25/2007	ND	12.16	ND	87.72	87.72
	12/05/2007	ND	11.21	ND	88.67	88.67
	03/25/2008	ND	13.30	ND	86.58	86.58
	06/24/2008	ND	11.43	ND	88.45	88.45
	09/15/2008	ND	15.70	ND	84.18	84.18
	12/12/2008	ND	15.82	ND	84.06	84.06
	02/20/2009	ND	13.87	ND	86.01	86.01
	05/07/2009	ND	15.58	ND	84.30	84.30
	09/23/2009	ND	15.26	ND	84.62	84.62
	12/07/2009	ND	12.08	ND	87.80	87.80
	03/11/2010	ND	8.07	ND	91.81	91.81
	05/17/2010	ND	8.58	ND	91.30	91.30
	09/27/2010	ND	14.80	ND	85.08	85.08
	12/02/2010	ND	13.05	ND	86.83	86.83
	02/15/2011	ND	14.67	ND	85.21	85.21
	05/16/2011	ND	13.11	ND	86.77	86.77
	10/31/2011	Well Not Gauged - Well Inaccessible				
RW-19 [50, 10 - 50]						
	09/27/2010	ND	21.19	ND	70.05	70.05
	12/02/2010	ND	20.16	ND	71.08	71.08
	02/14/2011	ND	34.06	ND	57.18	57.18
	05/16/2011	ND	31.15	ND	60.09	60.09
	08/08/2011	ND	36.09	ND	55.15	55.15
	10/31/2011	ND	34.87	ND	56.37	56.37
	02/01/2012	ND	36.65	ND	54.59	54.59
RW-20 [52, 10 - 50]						
	12/02/2010	ND	15.13	ND	73.17	73.17
	02/17/2011	ND	17.14	ND	71.16	71.16
	05/16/2011	ND	24.83	ND	63.47	63.47
	08/08/2011	ND	22.57	ND	65.73	65.73
	10/31/2011	ND	25.52	ND	62.78	62.78
	11/07/2011	ND	16.58	ND	71.72	71.72
	02/01/2012	ND	25.54	ND	62.76	62.76
RW-21 [50, 10 - 50]						
	12/02/2010	ND	11.21	ND	73.79	73.79
	02/17/2011	ND	19.91	ND	65.09	65.09
	05/16/2011	ND	17.80	ND	67.20	67.20
	08/08/2011	ND	21.73	ND	63.27	63.27

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RW-21 [50, 10 - 50]						
	10/31/2011	ND	25.50	ND	59.50	59.50
	11/07/2011	ND	12.50	ND	72.50	72.50
	02/01/2012	ND	22.27	ND	62.73	62.73
RW-22 [65, 10 - 65]						
	09/27/2010	ND	20.44	ND	78.51	78.51
	12/02/2010	ND	20.08	ND	78.87	78.87
	02/14/2011	ND	23.55	ND	75.40	75.40
	05/16/2011	ND	18.92	ND	80.03	80.03
	08/08/2011	ND	51.22	ND	47.73	47.73
	10/31/2011	ND	21.76	ND	77.19	77.19
	02/01/2012	ND	49.95	ND	49.00	49.00
RW-23 [65, 10 - 65]						
	12/02/2010	ND	12.63	ND	78.81	78.81
	02/15/2011	ND	14.64	ND	76.80	76.80
	02/17/2011	ND	13.49	ND	77.95	77.95
	05/16/2011	ND	24.45	ND	66.99	66.99
	08/08/2011	ND	15.29	ND	76.15	76.15
	10/31/2011	ND	22.22	ND	69.22	69.22
	02/01/2012	ND	26.66	ND	64.78	64.78
TF-01						
	04/05/2004	ND	4.46	ND	NC	NC
	10/05/2004	ND	11.05	ND	NC	NC
	01/03/2005	ND	11.13	ND	NC	NC
	04/13/2005	ND	8.33	ND	NC	NC
	11/17/2005	ND	9.33	ND	NC	NC
	03/30/2006	ND	10.92	ND	NC	NC
	06/29/2006	ND	9.66	ND	NC	NC
	12/19/2006	Well Not Gauged - Dry Well				
	01/18/2007	ND	11.24	ND	NC	NC
	03/06/2007	Well Not Gauged - Dry Well				
	06/22/2007	Well Not Gauged - Dry Well				
	09/25/2007	Well Not Gauged - Dry Well				
	12/05/2007	Well Not Gauged - Dry Well				
	03/25/2008	Well Not Gauged - Dry Well				
	09/15/2008	ND	11.86	ND	NC	NC
	12/12/2008	ND	12.00	ND	NC	NC
	02/20/2009	ND	11.98	ND	NC	NC
	05/07/2009	ND	11.96	ND	NC	NC
	09/23/2009	Well Not Gauged - Dry Well				

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TF-01						
	03/11/2010	ND	8.02	ND	NC	NC
	05/17/2010	ND	8.70	ND	NC	NC
	12/02/2010	ND	11.97	ND	NC	NC
	02/15/2011	ND	11.85	ND	NC	NC
	05/16/2011	ND	10.44	ND	NC	NC
	10/31/2011	ND	11.97	ND	NC	NC
TF-02						
	04/05/2004	ND	4.82	ND	NC	NC
	10/05/2004	ND	11.46	ND	NC	NC
	01/03/2005	ND	11.52	ND	NC	NC
	04/13/2005	ND	8.73	ND	NC	NC
	11/17/2005	ND	10.07	ND	NC	NC
	03/30/2006	ND	11.29	ND	NC	NC
	06/29/2006	ND	10.09	ND	NC	NC
	12/19/2006	Well Not Gauged - Dry Well				
	01/18/2007	ND	11.57	ND	NC	NC
	03/06/2007	Well Not Gauged - Dry Well				
	06/22/2007	Well Not Gauged - Dry Well				
	09/25/2007	Well Not Gauged - Dry Well				
	12/05/2007	Well Not Gauged - Dry Well				
	03/25/2008	Well Not Gauged - Dry Well				
	09/15/2008	ND	12.41	ND	NC	NC
	12/12/2008	ND	12.52	ND	NC	NC
	02/20/2009	ND	12.37	ND	NC	NC
	05/07/2009	ND	12.32	ND	NC	NC
	09/23/2009	Well Not Gauged - Dry Well				
	12/07/2009	ND	11.59	ND	NC	NC
	03/11/2010	ND	8.37	ND	NC	NC
	05/17/2010	ND	9.07	ND	NC	NC
	09/27/2010	ND	12.42	ND	NC	NC
	12/02/2010	ND	12.51	ND	NC	NC
	02/14/2011	ND	12.26	ND	NC	NC
	05/16/2011	ND	10.80	ND	NC	NC
	10/31/2011	ND	12.33	ND	NC	NC
	02/01/2012	ND	11.86	ND	NC	NC

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Table 2
Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
710 BNR									
10/18/2003	ND	ND	ND	ND	ND	3.2	ND	NS	NS
11/20/2003	ND	ND	ND	ND	ND	1.8	ND	ND	ND
02/13/2004	ND	ND	ND	ND	ND	3.6	ND	ND	ND
10/22/2004	ND	ND	ND	ND	ND	5.5	ND	ND	ND
12/08/2004	ND	ND	ND	ND	ND	4.5	ND	ND	ND
03/31/2005	ND	ND	ND	NS	ND	6.5	NS	ND	ND
06/23/2005	ND	ND	ND	ND	ND	4.2	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	4.9	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	6.3	NS	ND	ND
03/30/2006	ND	ND	ND	ND	ND	3.56	NS	ND	ND
06/29/2006	ND	ND	ND	ND	ND	6.04	NS	ND	ND
09/26/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(5.0)	5.54	NS	ND(100)	ND(93.9)
12/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.18	NS	ND(100)	ND(93.9)
03/26/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	5.0	NS	ND(100)	160
06/08/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	5.9	NS	ND(100)	ND(98)
09/13/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	5.71	ND(20)	ND(100)	ND(95.2)
12/03/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.26	NS	ND(100)	2710
03/27/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	4.0	NS	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	4.0	NS	ND(100)	230
09/22/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND	ND(0.5665)	5.415	NS	120	4000
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	NS	ND(25)	21.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	5.54	ND(2.0)	ND(25)	1400
06/04/2009	ND(0.2105)	2.01	ND(0.1959)	ND(0.231)	2.01	3.35 I	NS	ND(25)	ND(25)
09/10/2009	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	3.26	ND(15)	ND(13)	ND(36)
12/02/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	5.13	NS	27.0 I	ND(36)
03/15/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	1.7	NS	ND(25)	79.0
06/11/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	3.3	NS	ND(200)	ND(100)
08/27/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.6	ND(25)	ND(200)	ND(110)
11/16/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.4	NS	ND(200)	ND(100)
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.0	NS	ND(200)	ND(100)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.8	NS	ND(200)	211
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.6	NS	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.4	NS	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.3	ND(25)	NS	NS

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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
711 BNR									
10/03/2003	ND	ND	ND	ND	ND	ND	ND	NS	NS
11/21/2003	ND	ND	ND	ND	ND	0.46	ND	ND	ND
02/13/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/26/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(5.0)	1.04	NS	ND(100)	ND(93.9)
12/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.47	NS	ND(100)	ND(94.3)
03/26/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(2.0)	NS	ND(100)	ND(100)
06/08/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.04	NS	ND(100)	ND(118)
09/13/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.71	ND(20)	ND(100)	ND(95.2)
12/03/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	3.05	NS	ND(100)	ND(94.3)
03/27/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.0	NS	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(100)	ND(50)
09/22/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND	ND(0.5665)	ND(0.2562)	NS	ND(20)	53.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	0.81	0.81	ND(0.2562)	NS	ND(25)	14.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	1.19 I	ND(2.0)	ND(25)	26.0 I
06/04/2009	ND(0.2105)	1.21	ND(0.1959)	ND(0.231)	1.21	ND(0.2562)	NS	ND(25)	ND(25)
09/10/2009	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	0.47 I	ND(15)	ND(13)	ND(36)
12/02/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	0.80 I	NS	ND(25)	ND(36)
03/15/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	ND(0.261)	NS	ND(25)	40.0
06/11/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
08/27/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
11/16/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.50 J	NS	ND(200)	ND(110)
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.44 J	NS	ND(200)	ND(120)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.37 J	NS	ND(200)	243
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(110)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	NS	NS
720 BNR									
10/18/2003	ND	ND	ND	ND	ND	21.0	ND	NS	NS
11/20/2003	ND	ND	ND	ND	ND	27.7	ND	ND	ND
12/23/2003	ND	ND	ND	ND	ND	23.0	ND	ND	ND
01/16/2004	ND	ND	ND	ND	ND	22.0	NS	ND	ND
02/13/2004	ND	ND	ND	ND	ND	26.7	ND	ND	ND
03/02/2004	ND	ND	ND	ND	ND	28.9	ND	ND	ND
03/25/2004	ND	ND	ND	ND	ND	25.2	ND	ND	ND
04/16/2004	ND	ND	ND	ND	ND	26.6	ND	ND	ND

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720 BNR									
05/26/2004	ND	ND	ND	ND	ND	27.1	ND	ND	ND
06/22/2004	ND	ND	ND	ND	ND	24.8	ND	ND	ND
08/26/2004	ND	ND	ND	ND	ND	25.0	ND	ND	ND
10/22/2004	ND	ND	ND	ND	ND	15.6	ND	ND	ND
12/08/2004	ND	ND	ND	ND	ND	12.7	ND	ND	ND
03/31/2005	ND	ND	ND	ND	ND	14.5	NS	ND	ND
06/23/2005	ND	ND	ND	ND	ND	11.5	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	12.2	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	13.1	NS	ND	ND
03/30/2006	ND	ND	ND	ND	ND	7.88	NS	ND	ND
06/29/2006	ND	ND	ND	ND	ND	5.68	NS	ND	ND
09/26/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(5.0)	3.17	NS	ND(100)	ND(96.2)
12/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.59	NS	ND(100)	ND(97.1)
03/26/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(2.0)	NS	ND(100)	ND(100)
06/08/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	NS	ND(100)	ND(111)
09/13/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(100)
12/03/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.2	NS	ND(100)	ND(100)
03/27/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(100)	ND(50)
09/22/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND	ND(0.5665)	ND(0.2562)	NS	ND(20)	49.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	0.53	0.53	ND(0.2562)	NS	ND(25)	ND(14)
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
06/04/2009	ND(0.2105)	4.62	ND(0.1959)	ND(0.231)	4.62	ND(0.2562)	NS	41.0 I	ND(26)
09/10/2009	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	0.56	ND(15)	ND(13)	ND(36)
12/02/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	0.77 I	NS	31.0 I	ND(36)
03/15/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	ND(0.261)	NS	ND(25)	117
06/11/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.77 J	NS	ND(200)	ND(100)
08/27/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.54 J	ND(25)	ND(200)	ND(110)
11/16/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.48 J	NS	ND(200)	ND(120)
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	137
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.30 J	ND(25)	ND(200)	ND(130)
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.34 J	NS	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.30 J	NS	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.35 J	ND(25)	NS	NS

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721 BNR									
10/03/2003	ND	ND	ND	ND	ND	2.5	NS	NS	NS
11/20/2003	ND	ND	ND	ND	ND	2.8	ND	ND	ND
12/23/2003	ND	ND	ND	ND	ND	2.7	ND	ND	ND
01/16/2004	ND	ND	ND	ND	ND	2.6	ND	ND	ND
02/13/2004	ND	ND	ND	ND	ND	3.0	ND	ND	ND
03/02/2004	ND	ND	ND	ND	ND	3.2	ND	ND	ND
03/25/2004	ND	ND	ND	ND	ND	3.0	ND	ND	ND
04/16/2004	ND	ND	ND	ND	ND	3.0	ND	ND	ND
06/24/2004	ND	NS	NS	ND	ND	3.6	NS	ND	NS
10/22/2004	ND	ND	ND	ND	ND	4.8	ND	ND	ND
12/08/2004	ND	ND	ND	ND	ND	3.7	ND	ND	ND
03/31/2005	ND	ND	ND	ND	ND	4.4	NS	ND	ND
06/23/2005	ND	ND	ND	ND	ND	2.6	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	2.6	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	2.9	NS	ND	ND
03/30/2006	ND	ND	ND	ND	ND	2.74	NS	ND	ND
06/29/2006	ND	ND	ND	ND	ND	1.74	NS	ND	ND
09/26/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(5.0)	1.74	NS	ND(100)	ND(96.2)
12/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.28	NS	ND(100)	ND(97.1)
03/26/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(2.0)	NS	ND(100)	ND(100)
06/08/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	NS	ND(100)	ND(100)
09/13/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(105)
12/03/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	NS	ND(100)	ND(100)
03/27/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(100)	ND(50)
09/22/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND	ND(0.5665)	ND(0.2562)	NS	ND(20)	55.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	NS	ND(25)	87
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
06/04/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.231)	ND(0.7975)	ND(0.2562)	NS	ND(25)	ND(25)
09/10/2009	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	ND(0.2)	ND(15)	ND(13)	ND(36)
12/02/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	ND(0.261)	NS	29.0 I	ND(36)
03/15/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.298)	ND(0.952)	ND(0.261)	NS	ND(25)	113
06/11/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
08/27/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
11/16/2010	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)

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721 BNR									
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	NS	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	NS	NS
730 BND									
10/01/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	3.2	ND(6.14)	26.0 I	260
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	2.62	ND(6.14)	ND(25)	60.0 I
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.6	ND(25)	ND(200)	ND(100)
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.6	ND(25)	ND(200)	190
11/02/2011	0.074 J	ND(0.5)	ND(0.5)	ND(0.5)	0.074	0.19 J	ND(5.0)	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.7	ND(25)	NS	NS
730 BNS									
10/01/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	2.86	ND(6.14)	ND(25)	404
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	1.27	ND(6.14)	32.0 I	ND(40)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.8	ND(25)	ND(200)	ND(100)
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.55 J	ND(25)	ND(200)	ND(100)
11/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	1.5	ND(5.0)	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.4	ND(25)	NS	NS
750 BND									
06/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	664
11/17/2005	ND	ND	ND	ND	ND	0.59	ND	ND	529
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	NS
06/29/2006	NS	NS	ND	ND	NS	4.79	ND	ND	127
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	9.88	ND(10)	ND(100)	686
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	80.6	ND(20)	124	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	7.05	ND(20)	ND(100)	120
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	75.7	ND(20)	ND(100)	131
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	3.6	ND(20)	ND(100)	603
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.94	ND(20)	ND(100)	353
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	5.6	5.6	670	ND(100)	820	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	4.3	4.3	770	68.0	810	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	5.2	5.2	900	ND(1.0)	480	78.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	1.122	1.122	616.5	99.3	1020	41.0 I

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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
750 BND									
02/20/2009	ND(0.2105)	0.5379 I	ND(0.1959)	ND(0.6946)	0.5379	990.1	ND(2.0)	561	NS
05/07/2009	ND(0.2105)	1.04	ND(0.1959)	ND(0.6946)	1.04	924.4	507	279	ND(25)
09/23/2009	ND(1.05)	ND(1.24)	ND(0.98)	ND(3.48)	ND(6.75)	214	ND(75)	43.0 I	ND(36)
12/07/2009	ND(4.21)	ND(4.94)	ND(3.92)	ND(13.91)	ND(26.98)	1640	ND(300)	954	54.0 I
03/11/2010	ND(2.11)	ND(2.47)	ND(1.96)	ND(6.96)	ND(13.5)	1660	208	1280	41.0
05/20/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	797	187	487	60.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
12/02/2010	ND(0.249)	0.68 I	0.28 I	1.41	2.37	304	221	243	54.0 I
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1270	ND(25)	1380	155
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	967	ND(25)	681	270
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	283	ND(25)	373	ND(100)
11/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	136	26.8	ND(200)	194
750 BNR									
10/03/2003	ND	ND	ND	ND	ND	51.0	ND	NS	NS
10/18/2003	ND	ND	ND	ND	ND	77.0	ND	NS	NS
11/20/2003	ND	ND	ND	0.23	0.23	77.9	ND	ND	ND
12/23/2003	ND	ND	ND	0.43	0.43	62.2	ND	ND	ND
03/02/2004	ND	ND	ND	ND	ND	65.1	ND	ND	ND
03/25/2004	ND	ND	ND	ND	ND	46.8	ND	ND	ND
10/04/2004	ND	NS	NS	ND	ND	51.7	NS	NS	NS
12/08/2004	ND	ND	ND	ND	ND	35.7	ND	ND	ND
03/31/2005	ND	NS	NS	NS	ND	9.2	NS	ND	ND
06/22/2005	ND	0.23	ND	ND	0.23	ND	ND	ND	1430
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	298
03/30/2006	NS	NS	NS	NS	NS	NS	ND	NS	NS
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	126
09/26/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(5.0)	14.2	NS	ND(100)	ND(99)
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	115
12/19/2006	6.74	12.8	6.33	28.1	53.97	ND(1.0)	ND(20)	167	243
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	2.28	ND(20)	ND(100)	170
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.72	ND(20)	ND(100)	1720
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(118)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	60.6	ND(20)	ND(100)	ND(94.3)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	10.0	ND(100)	ND(100)	160
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	47.0	7.1	ND(100)	170

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750 BNR									
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	21.0	ND(1.0)	ND(20)	140 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	24.34	3.29 I	45.0	69.0
02/20/2009	ND(0.2105)	0.8475 I	ND(0.1959)	0.5067	1.3542	34.4	ND(2.0)	29.0 I	NS
05/07/2009	ND(0.2105)	1.17	ND(0.1959)	ND(0.6946)	1.17	30.69	ND(2.0)	ND(25)	120
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	25.1	ND(15)	25.0 I	72.0 I
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	34.9	ND(15)	54.0 I	86 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	32.0	ND(15)	54.0	46.0
05/20/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	38.5	ND(15)	33.0 I	106 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	41.8	25.3	45.0 I	ND(36)
12/02/2010	ND(0.249)	0.85 I	0.274 I	0.689	1.813	43.6	ND(6.14)	48.0 I	99 I
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	38.4	ND(25)	ND(200)	228
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	37.9	ND(25)	ND(200)	472
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	42.6	ND(25)	ND(200)	267
11/02/2011	ND(0.5)	0.081 J	ND(0.5)	0.21 J	0.291	39.4	5.4	ND(200)	208
750 BNS									
06/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	554
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	3.13	ND	ND	NS
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	NS
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	NS
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(1.0)	ND(20)	ND(100)	NS
06/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	NS
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(118)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	NS
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	300
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	200
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	NS
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	NS
02/20/2009	ND(0.2105)	0.7117 I	ND(0.1959)	ND(0.6946)	0.7117	1.375 I	ND(2.0)	ND(25)	NS
05/07/2009	ND(0.2105)	0.77 I	ND(0.1959)	ND(0.6946)	0.77	ND(0.2562)	ND(2.0)	ND(25)	140
09/23/2009	ND(0.211)	0.29 I	ND(0.196)	ND(0.696)	0.29	1.02 I	ND(15)	15.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.94 I	ND(15)	27.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.68	ND(15)	ND(25)	43.0
05/20/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.83 I	ND(15)	27.0 I	ND(36)

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750 BNS									
09/27/2010	ND(0.249)	1.39	ND(0.21)	ND(0.676)	1.39	0.88 I	ND(6.14)	ND(25)	83 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	0.81 I	ND(6.14)	25.0 I	ND(40)
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.90 J	ND(25)	ND(200)	168
08/09/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.64 J	ND(25)	ND(200)	337
11/03/2011	NS	NS	NS	NS	NS	NS	NS	ND(200)	NS
MW-02									
01/06/2004	ND(0.045)	ND(0.036)	ND(0.027)	ND(0.035)	ND(0.143)	8.9	ND(1.5)	ND(52)	ND(29)
04/05/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	6.2	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	4.8	ND(5.0)	ND(200)	ND(100)
10/05/2004	ND	ND	ND	ND	ND	4.0	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	6.0	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	5.9	ND(25)	ND	ND
08/17/2005	ND	ND	ND	ND	ND	5.5	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	4.9	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	2.84	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	3.54	10.5	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.1	ND(10)	ND(100)	ND(94.3)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	4.86	ND(20)	ND(100)	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	6.2	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.24	ND(20)	ND(100)	ND(97.1)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.41	ND(20)	ND(100)	ND(95.2)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	12.1	ND(20)	ND(100)	ND(105)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	7.6	ND(100)	ND(100)	56.0
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	4.9	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	78.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	6.398	ND(2.0)	34.0 I	32.0 I
02/20/2009	ND(0.2105)	0.5513 I	ND(0.1959)	ND(0.6946)	0.5513	6.729	ND(2.0)	ND(25)	65.0 I
05/07/2009	ND(0.2105)	0.78 I	ND(0.1959)	ND(0.6946)	0.78	5.15	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	2.79	ND(15)	43.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	2.61	ND(15)	ND(25)	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	1.27	ND(15)	36.0	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.71 I	ND(15)	ND(25)	NS
05/20/2010	NS	NS	NS	NS	NS	NS	NS	NS	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	0.79 I	ND(6.14)	27.0 I	38.0 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	159	313	ND(25)	ND(36)

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MW-02									
01/11/2011	NS	NS	NS	NS	NS	ND(1.0)	NS	NS	NS
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.35 J	ND(25)	ND(200)	ND(100)
05/20/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.28 J	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.34 J	ND(25)	ND(200)	ND(100)
11/03/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	0.31 J	ND(5.0)	ND(200)	ND(100)
MW-04									
01/06/2004	3.9	0.84	ND(0.2)	0.76	5.5	49.3	ND(1.5)	318	ND(270)
04/05/2004	1.4	0.17	ND	ND	1.57	30.4	ND	ND	ND
07/01/2004	0.73	ND(0.5)	ND(0.5)	ND(0.5)	0.73	14.4	ND(5.0)	224	ND(100)
10/05/2004	ND	ND	ND	ND	ND	1.3	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	1.5	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	24.7	ND(25)	ND	ND
08/17/2005	ND	ND	ND	ND	ND	2.4	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	8.3	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	2.91	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	3.32	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	5.45	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	5.49	ND(20)	ND(100)	ND(101)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	11.2	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.57	ND(20)	ND(100)	354
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	18.4	ND(20)	ND(100)	315
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	17.7	ND(20)	ND(100)	ND(97.1)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	9.2	ND(100)	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	5.0	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	44.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	7.378	ND(2.0)	40.0 I	22.59
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	8.12	ND(2.0)	ND(25)	57.0 I
05/07/2009	ND(0.2105)	0.70 I	ND(0.1959)	ND(0.6946)	0.70	5.9	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	2.73	ND(15)	15.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	4.16	ND(15)	30.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	4.33	ND(15)	35.0	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	3.59	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	3.04	ND(6.14)	29.0 I	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	2.34	ND(6.14)	29.0 I	ND(40)
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	3.7	ND(25)	ND(200)	194

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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-04									
05/20/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.6	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.3	ND(25)	ND(200)	ND(100)
11/03/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	1.1	ND(5.0)	ND(200)	ND(100)
MW-05D									
04/05/2004	0.30	0.69	ND	ND	0.99	241	198	436	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	260	ND(5.0)	322	281
10/04/2004	ND	ND	ND	ND	ND	12.4	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	100
11/17/2005	ND	ND	ND	ND	ND	26.2	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	ND(93.9)
12/19/2006	3.11	ND(1.0)	ND(1.0)	ND(3.0)	3.11	3420	1850	2750	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	1.06	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(95.2)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(95.2)
12/05/2007	ND(1.0)	1.15	ND(1.0)	ND(3.0)	1.15	1.02	ND(20)	ND(100)	ND(105)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	780
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	5.6	5.5	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	42.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	62.89	61.8	111	30.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	135.4	69.2	ND(25)	57.0 I
05/07/2009	ND(0.2105)	0.87 I	ND(0.1959)	ND(0.6946)	0.87	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	0.25 I	ND(0.196)	ND(0.696)	0.25	0.42 I	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	5.22	ND(15)	27.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	26.0	39.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	26.0 I	325 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.5	ND(25)	ND(200)	ND(110)
05/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.4	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	342
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.72 J	ND(25)	ND(200)	ND(100)

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TBA - Tertiary Butyl Alcohol
TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics
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ND (100) - Not Detected (Reporting Limit)
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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-05R									
07/08/2004	ND(1.0)	0.21	ND(1.0)	ND(1.0)	0.21	61.8	16.9	ND(200)	ND(160)
10/04/2004	ND	ND	ND	ND	ND	79.0	ND	ND	168
01/03/2005	ND	ND	ND	ND	ND	72.6	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	69.4	19.7	ND	ND
08/17/2005	ND	ND	ND	ND	ND	60.9	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/30/2006	2.15	ND	ND	ND	2.15	3800	1700	775	113
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	115
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	1.19	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.11	ND(20)	ND(100)	ND(94.3)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	129
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	120
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	54.0
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	ND(50)
09/15/2008	1.0	ND(0.14)	ND(0.19)	ND(0.71)	1.0	1900	1800	880	92 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	36.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	65.0 I
05/07/2009	ND(0.2105)	1.28	ND(0.1959)	ND(0.6946)	1.28	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.51 I	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.70 I	ND(15)	26.0 I	86 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.79	ND(15)	ND(25)	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	540	217 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	28.0 I	105 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(38)
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(110)
05/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.59 J	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.27 J	ND(25)	ND(200)	ND(100)
MW-05S									
01/06/2004	9.2	0.10	ND(0.027)	1.2	10.5	7630	3840	9290	ND(29)
04/05/2004	ND	ND	ND	ND	ND	2400	ND	3250	ND
07/01/2004	2.4	ND(2.0)	ND(2.0)	ND(2.0)	2.4	3570	1080	3930	ND(100)
10/04/2004	ND	ND	ND	ND	ND	7110	ND	9400	ND

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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-05S									
01/03/2005	ND	ND	ND	ND	ND	3280	1830	3080	ND
04/13/2005	ND	ND	ND	0.31	0.31	1790	685	2490	ND
08/17/2005	ND	ND	ND	ND	ND	6.3	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	3550	1960	2630	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	116	12.8	128	ND
09/28/2006	4.11	ND(1.0)	ND(1.0)	ND(3.0)	4.11	4190	3050	1170	113
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.25	ND(20)	ND(100)	ND(101)
03/06/2007	1.7	ND(2.0)	ND(2.0)	ND(6.0)	1.7	2470	1620	2190	ND(100)
06/22/2007	2.07	ND(1.0)	ND(1.0)	ND(3.0)	2.07	2990	1520	3330	ND(97.1)
09/25/2007	1.83	ND(1.0)	ND(1.0)	ND(3.0)	1.83	2840	1450	2140	ND(97.1)
12/05/2007	1.69	ND(1.0)	ND(1.0)	ND(3.0)	1.69	2140	1420	1540	ND(100)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	1800	NS	2000	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	58.0	55.0	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	5.5	14.0	ND(20)	38.0 I
12/12/2008	1.148	ND(0.1601)	ND(0.1959)	ND(0.6946)	1.148	1110	1360	2230	53.0
02/20/2009	4.24	ND(0.1601)	ND(0.1959)	1.42	5.66	3184	3550	2810	110
05/07/2009	ND(0.2105)	0.66 I	ND(0.1959)	ND(0.6946)	0.66	580.3	590	161	ND(26)
09/23/2009	ND(0.211)	0.40 I	ND(0.196)	ND(0.696)	0.40	885	1440	284	ND(36)
12/07/2009	ND(4.21)	ND(4.94)	ND(3.92)	ND(13.91)	ND(26.98)	1770	1240	985	48.0 I
03/11/2010	ND(2.11)	ND(2.47)	ND(1.96)	ND(6.96)	ND(13.5)	1380	957	806	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	12.8	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	2.38	ND(6.14)	25.0 I	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	575	534	408	ND(36)
02/15/2011	0.46 J	ND(1.0)	ND(1.0)	ND(1.0)	0.46	1210	1110	1350	ND(100)
05/18/2011	0.41 J	ND(1.0)	ND(1.0)	ND(1.0)	0.41	861	706	860	ND(100)
08/10/2011	0.31 J	ND(1.0)	ND(1.0)	0.25 J	0.56	982	757	639	119
11/01/2011	0.24 J	ND(1.0)	ND(1.0)	ND(1.0)	0.24	679	562	762	115
MW-06D									
04/05/2004	ND	ND	ND	ND	ND	5210	ND	6940	134
07/01/2004	1.8	ND(2.5)	ND(2.5)	2.5	4.3	6120	649	7370	179
10/04/2004	74.0	ND	ND	45.7	119.7	6190	ND	8080	156
01/03/2005	61.8	ND	ND	39.1	100.9	6850	1320	6240	199
04/13/2005	5.1	ND	ND	5.7	10.8	6790	706	8870	ND
08/17/2005	ND	ND	ND	ND	ND	2640	ND	2870	ND

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MW-06D									
11/17/2005	ND	ND	ND	ND	ND	2930	ND	2040	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	ND(93.9)
12/19/2006	73.8	ND(1.0)	ND(1.0)	38.0	111.8	12200	1470	10100	165
02/02/2007	65.2	ND(1.0)	ND(1.0)	40.7	105.9	14500	2920	4830	295
03/06/2007	54.0	ND(2.0)	ND(2.0)	30.0	84	14300	1920	12200	300
06/22/2007	54.9	ND(1.0)	ND(1.0)	37.3	92.2	14700	1780	8750	233
09/25/2007	63.7	ND(1.0)	ND(1.0)	30.8	94.5	17900	10400	14100	159
12/05/2007	49.6	ND(1.0)	ND(1.0)	32.5	82.1	14000	2830	9370	220
03/25/2008	45.0	ND(5.0)	ND(5.0)	25.0	70.0	12000	NS	14000	770
06/24/2008	46.0	ND(1.0)	ND(1.0)	23.0	69.0	19000	6300	15000	260
09/15/2008	46.0	ND(0.14)	ND(0.19)	22.0	68.0	16000	3300	7100	190 I
12/12/2008	45.71	ND(0.1601)	ND(0.1959)	20.91	66.62	15130	9310	15400	200
02/20/2009	67.31	ND(0.1601)	ND(0.1959)	29.47	96.78	17010	ND(2.0)	6740	170
05/07/2009	43.53	1.32	ND(0.1959)	11.92	56.77	16530	12000	3750	110
09/23/2009	38.2	ND(0.247)	ND(0.196)	2.13	40.33	13800	6260	6810	113 I
12/07/2009	55.0 I	ND(49.4)	ND(39.2)	ND(139.1)	55.0	15900	ND(3000)	8090	199 I
03/11/2010	38.0	ND(24.7)	ND(19.6)	ND(69.6)	38.0	17400	4190	11000	116
05/17/2010	31.0 I	ND(12.4)	ND(9.8)	ND(34.8)	31.0	14000	5300	11100	225 I
09/27/2010	34.2	ND(0.201)	ND(0.21)	1.69	35.89	13200	13900	10600	60.0 I
12/06/2010	ND(24.9)	ND(20.1)	ND(21)	ND(67.6)	ND(133.6)	9240	2480 I	11900	95 I
02/16/2011	11.4	ND(10)	ND(10)	ND(10)	11.4	6810	2000	6700	135
05/18/2011	7.0 J	ND(10)	ND(10)	ND(10)	7.0	4060	1630	4150	ND(100)
08/12/2011	3.1 J	ND(5.0)	ND(5.0)	ND(5.0)	3.1	3120	779	3340	ND(100)
11/02/2011	5.7	ND(2.0)	ND(2.0)	0.44 J	6.14	3950	1490	1520	ND(100)
MW-06R									
07/08/2004	ND(1.0)	76.6	ND(1.0)	ND(1.0)	76.6	74.9	ND(25)	289	160
10/04/2004	0.32	1.4	ND	ND	1.72	83.5	ND	ND	144
01/03/2005	ND	ND	ND	ND	ND	82.8	ND	ND	253
04/13/2005	ND	ND	ND	ND	ND	70.7	ND	ND	163
08/17/2005	ND	ND	ND	ND	ND	65.7	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	70.4	ND	ND	183
03/30/2006	ND	ND	ND	ND	ND	6.95	ND	ND	NS
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-06R									
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.82	10.2	ND(100)	ND(94.3)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.29	ND(20)	ND(100)	178
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(1.0)	ND(20)	ND(100)	110
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	36.6	ND(20)	ND(100)	106
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	68.5	ND(20)	ND(100)	ND(98)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(94.3)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	7.7	ND(100)	ND(100)	2300
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	18.0	ND(5.0)	ND(100)	250
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	32.0	ND(1.0)	ND(20)	57.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	3.067 I	ND(2.0)	29.0 I	44.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	20.37	ND(2.0)	ND(25)	110 I
05/07/2009	ND(0.2105)	1.28	ND(0.1959)	ND(0.6946)	1.28	ND(0.2562)	ND(2.0)	ND(25)	90 I
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	37.4	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	81.4	ND(15)	78.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	67.6	ND(15)	32.0	46.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	92.4	ND(15)	54.0 I	39.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	129	132	133	40.0 I
12/06/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	112	ND(6.14)	85 I	ND(36)
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	37.2	ND(25)	ND(200)	264
05/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	45.2	ND(25)	ND(200)	121
08/12/2011	ND(1.0)	0.26 J	ND(1.0)	ND(1.0)	0.26	57.6	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.60 J	ND(25)	ND(200)	ND(100)
MW-06S									
01/06/2004	ND(0.045)	ND(0.036)	ND(0.34)	ND(0.035)	ND(0.456)	135	ND(1.5)	ND(52)	ND(27)
04/05/2004	ND	ND	ND	ND	ND	291	ND	392	ND
07/01/2004	0.57	ND(0.5)	ND(0.5)	0.40	0.97	521	28.7	566	ND(100)
10/04/2004	ND	ND	ND	ND	ND	500	ND	625	ND
01/03/2005	ND	ND	ND	ND	ND	495	26.6	502	ND
04/13/2005	ND	ND	ND	ND	ND	74.9	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	545	ND	626	ND
11/17/2005	ND	ND	ND	ND	ND	244	ND	463	ND
03/30/2006	ND	ND	ND	ND	ND	179	ND	135	ND
06/29/2006	ND	ND	ND	ND	ND	40.7	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	936	97.2	290	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	128	ND(20)	113	ND(105)

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Table 2
Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-06S									
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	38.0	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	47.4	ND(20)	ND(100)	ND(97.1)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	46.0	ND(100)	ND(100)	60.0
06/24/2008	6.5	ND(1.0)	ND(1.0)	2.4	8.9	2300	450	2200	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	130	ND(1.0)	130	49.0 I
05/07/2009	ND(0.2105)	1.56	ND(0.1959)	ND(0.6946)	1.56	10.17	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	0.28 I	ND(0.196)	ND(0.696)	0.28	150	65.5	ND(13)	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	423	ND(15)	192	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	3.6	ND(15)	ND(25)	48.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	20.5	ND(15)	27.0 I	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	146	95.2	127	67.0 I
12/06/2010	ND(1.25)	ND(1.01)	ND(1.05)	ND(3.39)	ND(6.7)	320	ND(30.7)	216	ND(36)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	16.4	ND(25)	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	29.1	ND(25)	ND(200)	NS
MW-07D									
04/05/2004	ND	ND	ND	ND	ND	9.5	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	8.4	ND(5.0)	ND(200)	ND(100)
10/04/2004	ND	ND	ND	ND	ND	7.8	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	6.2	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	0.75	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(1.0)	ND(20)	ND(100)	ND(60)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(95.2)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(98)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	125
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	5800
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	110 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	0.8438 I	ND(2.0)	ND(25)	39.0 I
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	85 I

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Summary of Groundwater Analytical Results
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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-07D									
05/07/2009	ND(0.2105)	1.81	ND(0.1959)	ND(0.6946)	1.81	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	0.49 I	ND(0.196)	ND(0.696)	0.49	0.56 I	ND(15)	28.0 I	131 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.71	ND(15)	33.0	NS
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.64 I	ND(15)	ND(25)	36.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	121 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(110)
05/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
MW-07S									
04/05/2004	ND	ND	ND	ND	ND	189	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	195	ND(5.0)	237	ND(100)
10/04/2004	ND	ND	ND	ND	ND	214	ND	276	ND
01/03/2005	ND	ND	ND	ND	ND	244	ND	232	ND
04/13/2005	ND	ND	ND	ND	ND	149	ND	208	ND
08/17/2005	ND	ND	ND	ND	ND	50.0	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	119	ND	214	ND
03/30/2006	ND	ND	ND	ND	ND	47.4	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	58.5	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	17.3	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	1.45	1.09	4.77	7.31	24.8	ND(20)	ND(100)	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	65.5	ND(20)	ND(100)	ND(79)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	26.1	ND(20)	ND(100)	ND(98)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	16.7	ND(20)	ND(100)	ND(125)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	19.1	ND(20)	ND(100)	ND(100)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	44.0	ND(100)	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	15.0	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	33.0	ND(1.0)	ND(20)	46.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	17.4	ND(2.0)	44.0 I	ND(14)
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	47.23	ND(2.0)	ND(25)	51.0 I
05/07/2009	ND(0.2105)	1.68	ND(0.1959)	ND(0.6946)	1.68	44.24	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	0.45 I	ND(0.196)	ND(0.696)	0.45	13.3	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	0.34 I	ND(0.196)	ND(0.696)	0.34	22.9	ND(15)	36.0 I	60.0 I

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Summary of Groundwater Analytical Results
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Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
MW-07S									
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	1.65	ND(15)	34.0	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.28 I	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	32.0	17.0 I	40.0 I	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	26.0	ND(6.14)	34.0 I	ND(36)
02/15/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	38.7	ND(25)	ND(200)	ND(110)
05/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	25.4	ND(25)	ND(200)	ND(100)
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	37.0	6.0 J	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	32.3	ND(25)	ND(200)	ND(100)
MW-08D									
04/05/2004	ND	ND	ND	ND	ND	80	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	71.7	ND(5.0)	ND(200)	ND(100)
10/04/2004	ND	ND	ND	ND	ND	95.4	ND	ND	ND
01/03/2005	ND	ND	ND	1.1	1.1	93.6	ND	ND	ND
04/13/2005	ND	ND	ND	4.8	4.8	135	ND	344	ND
08/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/17/2005	ND	ND	ND	0.92	0.92	233	43.9	481	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	299	19.9	144	ND(93.9)
12/19/2006	ND(1.0)	2.11	1.68	10.6	14.39	278	23.7	372	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	369	47.9	381	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	391	ND(20)	387	ND(95.2)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	292	ND(20)	295	ND(96.2)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	4.03	4.03	460	49.6	353	ND(94.3)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	17.0	17.0	670	ND(100)	920	130
06/24/2008	1.2	ND(1.0)	ND(1.0)	7.7	8.9	660	70.0	790	63.0
09/15/2008	1.3	ND(0.14)	ND(0.19)	8.9	10.2	620	56.0	420	71.0 I
12/12/2008	1.188	0.5046 I	ND(0.1959)	8.671	10.3636	659.1	158	1180	67.0
02/20/2009	2.525	ND(0.1601)	ND(0.1959)	14.82	17.345	1083	361	703	68.0 I
05/07/2009	1.87	0.63 I	ND(0.1959)	13.81	16.31	1013	659	420	70.0
09/23/2009	ND(1.05)	ND(1.24)	ND(0.98)	3.35	3.35	343	ND(75)	104	ND(36)
12/07/2009	ND(2.11)	ND(2.47)	ND(1.96)	10.2	10.2	1130	ND(150)	698	ND(36)
03/11/2010	ND(2.11)	2.7	ND(1.96)	7.7	10.4	1330	170	981	80
05/17/2010	0.93 I	ND(0.247)	ND(0.196)	7.62	8.55	1520	261	1200	93 I
09/27/2010	0.613 I	ND(0.201)	ND(0.21)	9.82	10.433	1480	996	1150	68.0 I

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MW-08D									
12/02/2010	ND(12.5)	ND(10.1)	ND(10.5)	ND(33.9)	ND(67)	1660	ND(307)	1380	104 I
02/15/2011	3.7 J	ND(5.0)	ND(5.0)	8.6	12.3	2130	291	2390	128
05/17/2011	2.4 J	ND(5.0)	ND(5.0)	7.9	10.3	2220	292	2120	ND(100)
08/10/2011	4.0 J	ND(5.0)	ND(5.0)	8.5	12.5	2950	674	1730	177
11/01/2011	2.1	ND(1.0)	ND(1.0)	4.0	6.1	3110	464	2960	ND(100)
MW-08S									
04/05/2004	ND	ND	ND	ND	ND	15.6	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	7.6	ND(5.0)	ND(200)	ND(100)
10/04/2004	ND	ND	ND	ND	ND	4.9	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	9.8	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	16.0	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	2.3	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	11.3	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	10.1	ND	ND	125
06/29/2006	ND	ND	ND	ND	ND	17.4	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	11.1	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	16.4	ND(20)	ND(100)	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	27.2	ND(20)	ND(100)	ND(81)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	4.22	ND(20)	ND(100)	ND(100)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	11.6	ND(20)	ND(100)	ND(97.1)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	20.7	ND(20)	ND(100)	ND(94.3)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	20.0	ND(100)	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	8.0	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	14.0	ND(1.0)	ND(20)	55.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	30.85	ND(2.0)	54.0	ND(13)
02/20/2009	ND(0.2105)	0.5156 I	ND(0.1959)	ND(0.6946)	0.5156	23.85	ND(2.0)	ND(25)	36.0 I
05/07/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	39.33	ND(2.0)	ND(25)	ND(26)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	13.1	ND(15)	16.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	34.0	ND(15)	44.0 I	45.0 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	7.05	ND(15)	ND(25)	38.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	3.21	ND(15)	ND(25)	44.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	8.81	ND(6.14)	34.0 I	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	10.7	ND(6.14)	ND(25)	ND(36)
02/15/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	14.7	ND(25)	ND(200)	ND(110)
05/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	175	ND(25)	226	ND(100)

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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-08S									
08/10/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	12.6	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	8.0	ND(25)	ND(200)	ND(100)
MW-09D									
04/05/2004	ND	ND	ND	ND	ND	3.0	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	4.4	ND(5.0)	ND(200)	249
10/05/2004	ND	ND	ND	ND	ND	7.0	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	7.4	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	7.2	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	8.1	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	8.1	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	5.28	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	4.85	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	5.23	ND(10)	ND(100)	ND(93.9)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.15	ND(20)	ND(100)	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	3.12	ND(20)	ND(100)	ND(76)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.89	ND(20)	ND(100)	ND(111)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	3.02	ND(20)	ND(100)	ND(95.2)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.38	ND(20)	ND(100)	ND(97.1)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	64.0
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.8	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	620
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	0.7778 I	ND(2.0)	ND(25)	ND(13)
02/20/2009	ND(0.2105)	0.5395 I	ND(0.1959)	ND(0.6946)	0.5395	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
05/07/2009	ND(0.2105)	0.66 I	ND(0.1959)	ND(0.6946)	0.66	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.57 I	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.51 I	ND(15)	32.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.54	ND(15)	ND(25)	51.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.40 I	ND(15)	ND(25)	54.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	633 I
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	240
05/18/2011	NS	NS	NS	NS	NS	NS	NS	NS	ND(100)
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.28 J	ND(25)	ND(200)	NS
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	187
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)

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MW-09S									
04/05/2004	ND	ND	ND	ND	ND	0.66	ND	ND	ND
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	1.1	ND(5.0)	ND(200)	ND(100)
10/05/2004	ND	ND	ND	ND	ND	3.3	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	6.5	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	5.1	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	6.5	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	6.1	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	3.85	ND	ND	ND
06/29/2006	ND	ND	ND	ND	ND	3.39	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	3.93	ND(10)	ND(100)	ND(94.3)
12/19/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.09	ND(20)	ND(100)	ND(102)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	1.23	ND(20)	ND(100)	ND(63)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(97.1)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(118)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	ND(1.0)	ND(20)	ND(100)	ND(105)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	73.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	0.5719 I	ND(2.0)	ND(25)	14.0 I
02/20/2009	ND(0.2105)	0.5568 I	ND(0.1959)	ND(0.6946)	0.5568	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
05/07/2009	ND(0.2105)	0.99 I	ND(0.1959)	ND(0.6946)	0.99	ND(0.2562)	ND(2.0)	ND(25)	ND(25)
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.27 I	ND(15)	17.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	ND(25)	43.0 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	ND(25)	37.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	32.0 I	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	ND(0.46)	ND(6.14)	ND(25)	ND(36)
02/15/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(110)
05/18/2011	NS	NS	NS	NS	NS	NS	NS	NS	ND(100)
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.39 J	ND(25)	ND(200)	NS
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(110)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	ND(100)
MW-11D									
07/08/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	62.2	19.0	ND(200)	1020
10/04/2004	ND	ND	ND	ND	ND	30.8	ND	ND	146

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MW-11D									
01/03/2005	ND	ND	ND	ND	ND	7.6	ND	ND	148
04/13/2005	ND	ND	ND	ND	ND	19.2	ND	ND	211
08/17/2005	ND	ND	ND	ND	ND	10.1	ND	ND	ND
11/17/2005	ND	ND	ND	ND	ND	0.75	ND	ND	728
03/30/2006	ND	ND	ND	ND	ND	10.6	ND	ND	323
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	339
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.75	ND(10)	ND(100)	277
12/19/2006	ND(1.0)	14.7	ND(1.0)	ND(3.0)	14.7	ND(1.0)	ND(20)	ND(100)	464
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	ND(1.0)	ND(20)	ND(100)	130
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.11	ND(20)	ND(100)	447
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	15.6	ND(20)	ND(100)	213
12/05/2007	1.63	2.49	ND(1.0)	ND(3.0)	4.12	ND(1.0)	ND(20)	ND(100)	1280
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	1600
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	210
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	360
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	25.0 I	124
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	2.39 I	ND(2.0)	ND(25)	250
05/07/2009	ND(0.2105)	1.57	ND(0.1959)	ND(0.6946)	1.57	ND(0.2562)	ND(2.0)	ND(25)	120
09/23/2009	ND(0.211)	1.53	ND(0.196)	ND(0.696)	1.53	0.66 I	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	1.38	0.24 I	0.40	2.02	0.66 I	ND(15)	38.0 I	98 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	4.59	ND(15)	36.0	105
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	2.52	ND(15)	ND(25)	45.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	1.39	ND(6.14)	ND(25)	260 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	1.72	ND(6.14)	ND(25)	218 I
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	1.8	ND(25)	ND(200)	307
05/18/2011	NS	NS	NS	NS	NS	NS	NS	NS	363
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	12.5	ND(25)	ND(200)	NS
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	17.3	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.33 J	ND(25)	ND(200)	ND(100)
MW-11R									
07/01/2004	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(2.0)	26.4	ND(5.0)	ND(200)	429
10/04/2004	ND	ND	ND	ND	ND	19.4	ND	ND	ND
01/03/2005	ND	ND	ND	ND	ND	18.8	ND	ND	ND
04/13/2005	ND	ND	ND	ND	ND	8.0	ND	ND	ND
08/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND

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MW-11R									
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	113
06/29/2006	ND	ND	ND	ND	ND	1.55	ND	ND	ND
09/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	2.66	ND(10)	ND(100)	351
12/19/2006	ND(1.0)	1.42	1.2	5.49	8.11	27.7	ND(20)	ND(100)	941
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	25.1	ND(20)	ND(100)	ND(100)
06/22/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.5	ND(20)	ND(100)	ND(98)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	4.76	ND(20)	ND(100)	ND(97.1)
12/05/2007	2.14	3.02	ND(1.0)	ND(3.0)	5.16	2.57	ND(20)	ND(100)	ND(100)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	2300
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(5.0)	ND(100)	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	53.0 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	0.7315 I	ND(2.0)	37.0 I	57.0
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	160
05/07/2009	ND(0.2105)	1.8	ND(0.1959)	ND(0.6946)	1.8	ND(0.2562)	ND(2.0)	ND(25)	140
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	ND(0.261)	ND(15)	ND(13)	ND(36)
12/07/2009	ND(0.211)	0.27 I	ND(0.196)	ND(0.696)	0.27	29.9	ND(15)	45.0 I	279 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	8.52	ND(15)	ND(25)	NS
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.48 I	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	4.8	ND(6.14)	29.0 I	53.0 I
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	3.87	ND(6.14)	ND(25)	40.0 I
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	ND(1.0)	ND(25)	ND(200)	125
05/18/2011	0.99 J	ND(1.0)	ND(1.0)	ND(1.0)	0.99	751	1600	ND(200)	192
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.48 J	ND(25)	ND(200)	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	0.43 J	ND(25)	ND(200)	ND(100)
MW-11S									
07/08/2004	14.1	ND(25)	ND(25)	ND(25)	14.1	12000	3020	15900	ND(110)
10/04/2004	16.1	ND	ND	ND	16.1	8250	3300	14300	199
01/03/2005	10.3	ND	ND	ND	10.3	9860	3120	8240	225
04/13/2005	9.8	ND	ND	ND	9.8	6520	2470	10600	ND
08/17/2005	ND	ND	ND	ND	ND	7120	3750	15800	148
11/17/2005	2.5	ND	ND	ND	2.5	2130	1310	3800	354
03/30/2006	5.23	ND	ND	ND	5.23	3760	1510	4130	411
06/29/2006	ND	ND	ND	ND	ND	51.9	43.3	ND	370
09/28/2006	2.31	ND(1.0)	ND(1.0)	ND(3.0)	2.31	1960	1130	652	629

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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-11S									
12/19/2006	3.27	1.57	ND(1.0)	ND(3.0)	4.84	1860	1360	1610	ND(100)
03/06/2007	ND(1.0)	ND(2.0)	ND(2.0)	ND(6.0)	ND(11)	45.4	50.1	ND(100)	260
06/22/2007	2.47	ND(1.0)	ND(1.0)	ND(3.0)	2.47	2340	1510	2880	298
09/25/2007	3.67	ND(1.0)	ND(1.0)	ND(3.0)	3.67	3810	14600	2870	169
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	29.2	52.4	ND(100)	775
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	ND(5.0)	ND(100)	ND(100)	63.0
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	31.0	52.0	ND(100)	260
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	54.0	87	120	150 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	202
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	814.9	746	403	180
05/07/2009	ND(0.2105)	1.62	ND(0.1959)	ND(0.6946)	1.62	ND(0.2562)	ND(2.0)	ND(25)	110
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	16.5	39.4	ND(13)	ND(36)
12/07/2009	ND(0.211)	0.40 I	ND(0.196)	ND(0.696)	0.40	0.40 I	ND(15)	26.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	10.5	ND(15)	33.0	74.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	223	144	142	ND(36)
09/27/2010	1.1	ND(0.201)	ND(0.21)	ND(0.676)	1.1	1090	2830	948	ND(36)
12/02/2010	ND(4.99)	ND(4.03)	ND(4.2)	ND(13.53)	ND(26.75)	376	717	300	897
02/15/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	102	232	ND(200)	646
05/18/2011	1.0	ND(1.0)	ND(1.0)	ND(1.0)	1.0	804	1580	915	192
06/03/2011	0.39 J	ND(1.0)	ND(1.0)	ND(1.0)	0.39	987	1360	922	NS
08/12/2011	0.95 J	ND(1.0)	ND(1.0)	ND(1.0)	0.95	1050	2380	1280	ND(100)
11/01/2011	1.1	ND(1.0)	ND(1.0)	ND(1.0)	1.1	943	2410	1120	200
MW-12									
06/22/2007	3.96	ND(1.0)	ND(1.0)	5.35	9.31	1540	141	1520	ND(95.2)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1080	74.2	796	ND(95.2)
12/05/2007	2.13	ND(1.0)	ND(1.0)	4.17	6.3	1990	269	1760	ND(94.3)
03/25/2008	36.0	ND(5.0)	ND(5.0)	19.0	55.0	11000	NS	12000	280
06/24/2008	1.6	ND(1.0)	ND(1.0)	ND(1.0)	1.6	950	120	900	ND(50)
09/15/2008	11.0	ND(0.14)	ND(0.19)	9.9	20.9	5900	1400	3100	110 I
12/12/2008	0.8948 I	ND(0.1601)	ND(0.1959)	0.5607	1.4555	1310	447	2230	26.36
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	1.27	1.27	1811	339	934	71.0 I
05/07/2009	2.26	1.59	ND(0.1959)	2.43	6.28	2931	1870	817	ND(25)
08/25/2009	6.63	ND(0.247)	ND(0.196)	10.6	17.23	2360	2800	NS	NS
08/27/2009	10.7	ND(0.14)	0.60 I	10.8	22.1	6620	ND(1.0)	2600	39.0 I
08/28/2009	12.7	ND(0.14)	ND(0.19)	11.4	24.1	7460	ND(1.0)	3300	56.0 I

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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
MW-12									
09/23/2009	6.84	ND(0.247)	ND(0.196)	3.02	9.86	4710	3630	1810	ND(36)
12/07/2009	ND(10.5)	ND(12.4)	ND(9.8)	ND(34.8)	ND(67.5)	3850	ND(750)	2230	ND(36)
03/11/2010	ND(5.26)	ND(6.18)	ND(4.9)	ND(17.39)	ND(33.73)	3610	657	2840	52.0
05/17/2010	3.1	ND(0.247)	ND(0.196)	0.39	3.49	3920	1900	3230	NS
05/20/2010	NS	NS	NS	NS	NS	NS	NS	NS	40.0 I
09/27/2010	1.99	ND(0.201)	ND(0.21)	1.26	3.25	2870	2470	2590	60.0 I
12/06/2010	ND(6.23)	ND(5.03)	ND(5.25)	ND(16.9)	ND(33.41)	1880	ND(154)	1440	ND(36)
02/16/2011	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	1460	147	1450	ND(100)
05/19/2011	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	2280	686	2280	ND(100)
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	38.6	ND(25)	ND(200)	ND(100)
11/02/2011	0.78 J	ND(1.0)	ND(1.0)	ND(1.0)	0.78	2960	677	1410	ND(100)
MW-13D									
11/25/2008	9.753	ND(0.1601)	ND(0.1959)	3.107	12.86	759.4	318	623	90
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	256.6	ND(2.0)	109	57.0 I
05/07/2009	ND(0.2105)	0.64 I	ND(0.1959)	ND(0.6946)	0.64	6.14	ND(2.0)	ND(25)	ND(25)
09/23/2009	2.67	ND(0.247)	ND(0.196)	1.2	3.87	314	252	50.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	106	ND(15)	51.0 I	72.0 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	8.57	ND(15)	ND(25)	ND(36)
05/17/2010	0.69 I	ND(0.247)	ND(0.196)	ND(0.696)	0.69	194	77.8	393	ND(36)
09/27/2010	1.13	ND(0.201)	ND(0.21)	ND(0.676)	1.13	151	117	136	60.0 I
12/03/2010	0.995 I	ND(0.403)	ND(0.42)	ND(1.353)	0.995	147	ND(12.3)	120	ND(40)
02/18/2011	0.33 J	ND(1.0)	ND(1.0)	ND(1.0)	0.33	438	73.7	500	ND(100)
05/17/2011	1.0	0.19 J	ND(1.0)	ND(1.0)	1.19	166	33.3	224	ND(100)
08/11/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	140	12.0 J	ND(200)	ND(100)
11/01/2011	0.40 J	ND(1.0)	ND(1.0)	ND(1.0)	0.40	216	53.7	252	ND(100)
MW-13S									
11/25/2008	29.33	ND(0.1601)	ND(0.1959)	4.634	33.964	5527	2360	2780	164
02/20/2009	24.12	ND(0.1601)	ND(0.1959)	3.49	27.61	4297	1160	2580	120
05/07/2009	13.44	ND(0.1601)	ND(0.1959)	2.77	16.21	3081	2660	917	73.0
09/23/2009	11.9	0.31 I	ND(0.196)	1.44	13.65	3260	2550	1370	43.0 I
12/07/2009	10.0	ND(2.47)	ND(1.96)	ND(6.96)	10.0	2720	652	1650	ND(36)
03/11/2010	7.25	ND(6.18)	ND(4.9)	ND(17.39)	7.25	2790	750	2410	53.0
05/17/2010	8.98	ND(0.247)	ND(0.196)	1.28	10.26	2760	1710	2360	74.0 I
09/27/2010	10.8	ND(0.201)	ND(0.21)	1.61	12.41	2930	2740	2370	60.0 I
12/03/2010	9.76 I	ND(5.03)	ND(5.25)	ND(16.9)	9.76	3020	1490	2430	99 I

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MW-13S									
02/18/2011	8.2	ND(2.5)	ND(2.5)	1.4 J	9.6	2310	1310	2580	126
05/17/2011	4.1 J	ND(5.0)	ND(5.0)	ND(5.0)	4.1	2640	1660	2570	132
08/11/2011	9.7	ND(5.0)	ND(5.0)	ND(5.0)	9.7	3150	1460	1760	137
11/01/2011	14.9	ND(5.0)	ND(5.0)	1.5 J	16.4	4180	2580	3530	ND(100)
MW-14D									
11/25/2008	85.08	ND(0.1601)	ND(0.1959)	25.19	110.27	1099	496	1010	140
02/20/2009	5.28	ND(0.1601)	ND(0.1959)	2.23	7.51	469	ND(2.0)	264	93 I
05/07/2009	2.68	0.68 I	ND(0.1959)	0.86	4.22	86.81	40.6	31.0	ND(25)
09/23/2009	21.9	ND(0.247)	ND(0.196)	2.59	24.49	419	297	145	ND(36)
12/07/2009	5.35	ND(1.24)	ND(0.98)	ND(3.48)	5.35	424	ND(75)	205	77.0 I
03/11/2010	0.66	ND(0.494)	ND(0.392)	ND(1.391)	0.66	329	39.4	116	44.0
05/17/2010	3.04	ND(0.247)	ND(0.196)	ND(0.696)	3.04	428	165	637	ND(36)
09/27/2010	33.7	ND(0.201)	ND(0.21)	3.75	37.45	764	578	559	60.0 I
12/03/2010	46.5	ND(2.01)	ND(2.1)	6.01	52.51	1090	280	1090	97 I
02/18/2011	79.6	ND(5.0)	ND(5.0)	16.2	95.8	1720	406	2060	134
05/17/2011	50.1	ND(5.0)	ND(5.0)	13.8	63.9	2250	517	1570	112
08/11/2011	7.1	ND(1.0)	ND(1.0)	0.32 J	7.42	566	139	449	ND(100)
11/01/2011	48.1	ND(2.0)	ND(2.0)	12.9	61.0	2180	620	2520	ND(100)
MW-14S									
11/25/2008	32.19	ND(0.1601)	ND(0.1959)	10.17	42.36	6667	2920	3000	150
02/20/2009	6.96	ND(0.1601)	ND(0.1959)	2.76	9.72	3583	ND(2.0)	2060	66.0 I
05/07/2009	0.84 I	0.77 I	ND(0.1959)	0.57	2.18	2026	1550	610	ND(25)
09/23/2009	4.74	0.51 I	ND(0.196)	1.49	6.74	2180	1300	825	ND(36)
12/07/2009	3.2 I	ND(2.47)	ND(1.96)	ND(6.96)	3.2	2280	ND(150)	1090	ND(36)
03/11/2010	ND(2.11)	ND(2.47)	ND(1.96)	ND(6.96)	ND(13.5)	1670	ND(150)	812	ND(36)
05/17/2010	0.72 I	ND(0.247)	ND(0.196)	ND(0.696)	0.72	618	154	255	39.0 I
09/27/2010	26.7	ND(0.201)	ND(0.21)	7.05	33.75	6710	4770	5320	60.0 I
12/03/2010	8.43 I	ND(5.03)	ND(5.25)	ND(16.9)	8.43	4840	ND(154)	2980	ND(40)
02/18/2011	8.4	ND(5.0)	ND(5.0)	2.5 J	10.9	3300	260	3190	ND(110)
05/17/2011	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(4.0)	651	ND(50)	658	ND(100)
08/11/2011	8.2	ND(5.0)	ND(5.0)	3.3 J	11.5	2920	264	1540	ND(100)
11/01/2011	4.5	ND(2.5)	ND(2.5)	2.2 J	6.7	1820	196	1600	ND(100)
MW-15D									
11/25/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	360.6	112	316	15.0
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	57.87	ND(2.0)	ND(25)	63.0 I

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MW-15D									
05/07/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	236.6	99.2	ND(25)	52.0
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	0.34	0.34	378	238	52.0 I	ND(36)
12/07/2009	ND(1.05)	ND(1.24)	ND(0.98)	ND(3.48)	ND(6.75)	298	ND(75)	96 I	66.0 I
03/11/2010	ND(1.05)	ND(1.24)	ND(0.98)	ND(3.48)	ND(6.75)	708	ND(75)	275	38.0
05/17/2010	ND(2.11)	ND(2.47)	ND(1.96)	ND(6.96)	ND(13.5)	588	ND(150)	406	ND(36)
09/27/2010	0.283 I	ND(0.201)	ND(0.21)	ND(0.676)	0.283	768	625	596	60.0 I
12/03/2010	ND(2.49)	ND(2.01)	ND(2.1)	ND(6.76)	ND(13.36)	685	ND(61.4)	569	ND(40)
02/17/2011	2.7	ND(1.0)	ND(1.0)	ND(1.0)	2.7	529	60.7	584	ND(110)
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	654	46.0	613	ND(100)
08/11/2011	1.3	ND(1.0)	ND(1.0)	ND(1.0)	1.3	513	37.1	327	ND(100)
11/01/2011	0.95 J	ND(1.0)	ND(1.0)	ND(1.0)	0.95	547	67.8	650	ND(100)
MW-15S									
11/25/2008	62.88	ND(0.1601)	ND(0.1959)	17.69	80.57	8463	3840	3650	165
02/20/2009	44.57	ND(0.1601)	ND(0.1959)	12.42	56.99	7870	2580	1950	140
05/07/2009	14.88	0.76 I	ND(0.1959)	4.54	20.18	3296	2710	1160	53.0
09/23/2009	13.5	0.33 I	ND(0.196)	3.7	17.53	5780	3740	2250	44.0 I
12/07/2009	24.0 I	ND(12.4)	ND(9.8)	ND(34.8)	24.0	6510	869 I	2920	102 I
03/11/2010	26.5	ND(12.4)	ND(9.8)	ND(34.8)	26.5	7150	1930	6540	69.0
05/17/2010	26.1	ND(0.247)	ND(0.196)	7.57	33.67	8600	4870	7140	84 I
09/27/2010	28.7	ND(0.201)	ND(0.21)	9.42	38.12	8460	5870	6380	60.0 I
12/03/2010	13.4 I	ND(10.1)	ND(10.5)	ND(33.9)	13.4	6780	ND(307)	5200	68.0 I
02/17/2011	11.8	ND(10)	ND(10)	3.8 J	15.6	4410	620	4560	ND(100)
06/03/2011	6.1	ND(5.0)	ND(5.0)	2.0 J	8.1	2750	277	2690	ND(100)
08/11/2011	14.3 J	ND(20)	ND(20)	ND(20)	14.3	5140	468 J	2630	122
11/01/2011	12.6	ND(1.0)	ND(1.0)	3.8	16.4	3590	441	3770	ND(100)
MW-16D									
05/07/2009	ND(0.2105)	1.42	ND(0.1959)	ND(0.6946)	1.42	431.6	255	128	ND(25)
09/23/2009	1.4 I	ND(1.24)	ND(0.98)	1.9	3.3	393	139	74.0 I	ND(36)
12/07/2009	ND(0.526)	ND(0.618)	ND(0.49)	ND(1.739)	ND(3.373)	267	49.1 I	87 I	413 I
03/11/2010	ND(0.526)	ND(0.618)	ND(0.49)	ND(1.739)	ND(3.373)	472	42.2	234	36.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	369	119	229	ND(36)
09/27/2010	78.9	ND(0.201)	ND(0.21)	12.0	90.9	3060	2320	2610	60.0 I
12/03/2010	ND(1.25)	ND(1.01)	ND(1.05)	ND(3.39)	ND(6.7)	465	111 I	366	ND(40)
02/18/2011	2.1	ND(1.0)	ND(1.0)	ND(1.0)	2.1	182	26.1	ND(200)	ND(100)
05/17/2011	2.3	ND(1.0)	ND(1.0)	0.40 J	2.7	431	127	500	ND(100)

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MW-16D									
08/11/2011	0.70 J	ND(1.0)	ND(1.0)	0.24 J	0.94	503	121	305	ND(100)
11/01/2011	2.5	ND(1.0)	ND(1.0)	0.43 J	2.93	471	158	614	ND(100)
MW-16S									
05/07/2009	87.87	1.57	ND(0.1959)	29.23	118.67	1269	892	683	100
09/23/2009	133	0.46 I	ND(0.196)	39.8	173.26	3390	1630	1290	279 I
12/07/2009	81	ND(12.4)	ND(9.8)	19.5	100.5	2190	ND(750)	1430	146 I
03/11/2010	35.2	ND(4.94)	ND(3.92)	8.2	43.4	3110	587	1810	126
05/17/2010	38.3	ND(0.247)	ND(0.196)	9.94	48.24	1720	652	1510	77.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	507	365	359	60.0 I
12/03/2010	71.8	ND(5.03)	ND(5.25)	16.8	88.6	3240	837	2900	211 I
02/18/2011	48.8	ND(5.0)	ND(5.0)	9.1	57.9	2750	563	2800	157
05/17/2011	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(4.0)	597	50.0	633	ND(100)
08/11/2011	28.8	ND(5.0)	ND(5.0)	8.3	37.1	4410	773	2200	149
11/01/2011	19.8	ND(5.0)	ND(5.0)	1.6 J	21.4	3130	811	3360	ND(110)
MW-17D									
05/07/2009	0.52 I	1.91	ND(0.1959)	ND(0.6946)	2.43	103.4	57.1	ND(25)	26.0
09/23/2009	0.84 I	ND(0.247)	ND(0.196)	ND(0.696)	0.84	50.9	17.4 I	15.0 I	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	48.5	ND(15)	30.0 I	82 I
03/11/2010	0.89	ND(0.247)	ND(0.196)	ND(0.696)	0.89	141	28.4	64.0	65.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	196	54.6	110	85 I
09/27/2010	12.6	ND(0.201)	ND(0.21)	0.631	13.231	540	433	451	60.0 I
12/03/2010	8.09	ND(1.01)	ND(1.05)	ND(3.39)	8.09	390	86.2 I	313	ND(40)
02/17/2011	12.5	ND(1.0)	ND(1.0)	0.79 J	13.29	290	60.4	380	ND(110)
06/03/2011	17.0	ND(1.0)	ND(1.0)	0.31 J	17.31	519	96.6	574	ND(100)
08/12/2011	0.64 J	ND(1.0)	ND(1.0)	ND(1.0)	0.64	161	28.3	216	ND(100)
11/02/2011	8.3	ND(1.0)	ND(1.0)	0.31 J	8.61	250	61.3	217	ND(100)
MW-17S									
05/07/2009	24.95	0.83 I	ND(0.1959)	6.2	31.98	971.3	667	380	ND(25)
09/23/2009	40.3	ND(2.47)	ND(1.96)	6.9	47.2	967	317	397	37.0 I
12/07/2009	38.1	ND(2.47)	ND(1.96)	5.9	44.0	1020	ND(150)	495	100 I
03/11/2010	25.8	ND(1.24)	ND(0.98)	3.3	29.1	742	109	463	44.0
05/17/2010	7.27	ND(0.247)	ND(0.196)	0.84	8.11	341	89.6	244	ND(36)
09/27/2010	49.2	ND(0.201)	ND(0.21)	0.829	50.029	971	748	881	60.0 I
12/03/2010	54.3	ND(2.01)	ND(2.1)	4.42	58.72	1290	177 I	1190	67.0 I
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	35.6	ND(25)	ND(200)	ND(100)

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MW-17S									
06/03/2011	21.5	ND(1.0)	ND(1.0)	0.79 J	22.29	798	105	810	ND(100)
08/11/2011	32.6	ND(2.0)	ND(2.0)	3.2	35.8	1110	171	736	ND(100)
11/02/2011	20.0	ND(2.5)	ND(2.5)	1.1 J	21.1	827	155	444	ND(100)
MW-17W									
05/07/2009	1.06	2.38	ND(0.1959)	0.77	4.21	67.23	38.4	ND(25)	ND(25)
09/23/2009	0.55 I	0.63 I	ND(0.196)	ND(0.696)	1.18	46.8	17.4 I	23.0 I	74.0 I
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	41.9	ND(15)	27.0 I	128 I
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	30.3	ND(15)	34.0	42.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	3.05	ND(15)	ND(25)	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	50.6	32.2	72.0 I	ND(36)
12/03/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	92.1	ND(6.14)	75.0 I	46.0 I
02/17/2011	59.8	ND(1.0)	ND(1.0)	7.8	67.6	1080	168	1230	ND(100)
06/03/2011	1.4	ND(1.0)	ND(1.0)	ND(1.0)	1.4	49.4	ND(25)	ND(200)	ND(100)
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	61.2	ND(25)	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	49.6	ND(25)	ND(200)	199
MW-18									
05/07/2009	ND(0.2105)	1.73	ND(0.1959)	0.95	2.68	800.8	502	219	110
08/24/2009	0.47 I	ND(0.247)	ND(0.196)	2.88	3.35	1070	587	NS	NS
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	733	394	164	ND(36)
12/07/2009	ND(2.11)	2.97 I	ND(1.96)	ND(6.96)	2.97	836	ND(150)	485	ND(36)
03/11/2010	ND(1.05)	ND(1.24)	ND(0.98)	ND(3.48)	ND(6.75)	769	ND(75)	429	45.0
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	0.57	0.57	1020	325	748	ND(36)
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	94.4	99.8	112	ND(36)
12/06/2010	2.02 I	ND(1.01)	ND(1.05)	ND(3.39)	2.02	282	34.9 I	231	ND(40)
02/16/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	762	30.7	828	ND(110)
05/19/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	711	89.4	769	ND(100)
08/12/2011	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(8.0)	1500	59.1	1590	ND(100)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	1.8	1.8	2080	343	2280	ND(100)
MW-24D									
12/06/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	36.9	43.7	55.0 I	56.0 I
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	13.8	ND(25)	ND(200)	ND(100)
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	178
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	10.3	ND(25)	ND(200)	NS
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	13.8	ND(25)	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	12.7	ND(25)	ND(200)	ND(100)

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MW-24D									
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	10.5	ND(25)	NS	NS
MW-24S									
12/06/2010	1.83 I	ND(1.01)	ND(1.05)	ND(3.39)	1.83	261	266	278	ND(36)
02/18/2011	3.8	ND(1.0)	ND(1.0)	0.55 J	4.35	266	75.5	340	ND(100)
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	179
06/03/2011	3.8	ND(1.0)	ND(1.0)	1.1	4.9	326	101	351	NS
08/11/2011	5.5	ND(1.0)	ND(1.0)	0.60 J	6.1	352	120	252	ND(110)
11/02/2011	4.5	ND(1.0)	ND(1.0)	0.19 J	4.69	240	112	ND(200)	ND(100)
02/02/2012	3.3	ND(1.0)	ND(1.0)	ND(1.0)	3.3	275	ND(25)	NS	NS
MW-25D									
12/06/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	102	104	120	404 I
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	119	14.8 J	ND(200)	ND(110)
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	140
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	117	9.3 J	ND(200)	NS
08/12/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	81.1	ND(25)	ND(200)	ND(100)
11/02/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	92.4	ND(25)	ND(200)	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	86.3	ND(25)	NS	NS
MW-25S									
12/06/2010	4.0 I	ND(1.01)	ND(1.05)	ND(3.39)	4.0	291	283	285	ND(36)
02/17/2011	1.1	ND(1.0)	ND(1.0)	ND(1.0)	1.1	170	11.6 J	221	ND(100)
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	ND(100)
06/03/2011	0.86 J	ND(1.0)	ND(1.0)	ND(1.0)	0.86	98.1	ND(25)	ND(200)	NS
08/11/2011	0.89 J	ND(1.0)	ND(1.0)	ND(1.0)	0.89	86.1	ND(25)	ND(200)	ND(100)
11/02/2011	0.42 J	ND(1.0)	ND(1.0)	ND(1.0)	0.42	36.1	ND(25)	ND(200)	ND(100)
02/02/2012	0.48 J	ND(1.0)	ND(1.0)	ND(1.0)	0.48	28.4	ND(25)	NS	NS
MW-26D									
12/06/2010	ND(2.49)	ND(2.01)	ND(2.1)	ND(6.76)	ND(13.36)	1260	1240	2090	45.0 I
01/11/2011	NS	NS	NS	NS	NS	1490	NS	NS	NS
02/17/2011	2.3	ND(1.0)	ND(1.0)	0.81 J	3.11	1630	83.8	1770	ND(100)
03/07/2011	NS	NS	NS	NS	NS	1560	NS	NS	NS
04/18/2011	NS	NS	NS	NS	NS	1940	NS	NS	NS
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	ND(110)
06/03/2011	2.8	ND(2.0)	ND(2.0)	0.70 J	3.5	1860	102	1250	NS
07/20/2011	NS	NS	NS	NS	NS	1800	NS	NS	NS
08/11/2011	1.8 J	ND(5.0)	ND(5.0)	ND(5.0)	1.8	1890	61.7 J	1020	ND(100)

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MW-26D									
11/01/2011	3.0	ND(1.0)	ND(1.0)	0.47 J	3.47	1630	127	1690	ND(100)
02/02/2012	2.3 J	ND(10)	ND(10)	ND(10)	2.3	1450	ND(250)	NS	NS
MW-26S									
12/06/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	96.7	90.5	96 I	39.0 I
01/11/2011	NS	NS	NS	NS	NS	31.4	NS	NS	NS
02/17/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	267	ND(25)	322	ND(100)
03/07/2011	NS	NS	NS	NS	NS	210	NS	NS	NS
04/18/2011	NS	NS	NS	NS	NS	22.3	NS	NS	NS
05/17/2011	NS	NS	NS	NS	NS	NS	NS	NS	180
06/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	40.1	ND(25)	ND(200)	NS
07/20/2011	NS	NS	NS	NS	NS	183	NS	NS	NS
08/11/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	104	ND(25)	ND(200)	ND(110)
11/01/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	119	ND(25)	221	ND(100)
02/02/2012	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	51.2	ND(25)	NS	NS
RW-01									
01/06/2004	17.4	2.6	3.3	38.9	62.2	156	ND(5.0)	1000	469
04/05/2004	65.1	1.5	5.1	13.0	84.7	116	ND(5.0)	1370	275
07/01/2004	102	1.8	6.5	12.3	122.6	69.3	ND(10)	8450	417
10/05/2004	24.2	25.1	8.6	112	169.9	1990	1360	845	ND
01/03/2005	2.4	8.4	4.7	65.7	81.2	9.2	ND(25)	498	170
04/13/2005	6.5	20.6	23.4	127	177.5	10.1	ND(25)	2030	339
08/17/2005	1.2	2.3	2.0	43.8	49.3	8.7	ND	335	189
11/17/2005	ND	0.59	ND	5.0	5.59	5.4	ND	ND	ND
03/30/2006	1.7	5.5	4.02	48.0	59.22	8.43	ND	205	191
06/29/2006	4.8	3.8	7.74	44.4	60.74	101	152	247	106
09/28/2006	5.27	5.18	5.68	49.4	65.53	6.44	ND(10)	299	227
12/19/2006	1.22	2.13	2.26	13.0	18.61	7.62	ND(20)	197	ND(101)
03/06/2007	1.7	4.6	6.9	39.0	52.2	10.4	ND(20)	193	700
06/22/2007	3.48	ND(1.0)	ND(1.0)	8.49	11.97	76.1	101	ND(100)	ND(111)
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.93	ND(20)	ND(100)	ND(100)
12/05/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	6.64	ND(20)	124	ND(105)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	6.4	6.4	6.8	ND(100)	ND(100)	ND(50)
06/24/2008	2.0	ND(1.0)	ND(1.0)	16.8	18.8	8.6	7.4	170	ND(50)
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	ND(0.18)	ND(1.0)	ND(20)	140 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	8.83	ND(2.0)	36.0 I	ND(13)

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Summary of Groundwater Analytical Results
Former Shell Service Station #137675

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
RW-01									
02/20/2009	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	8.73	ND(2.0)	ND(25)	31.0 I
05/07/2009	3.36	4.04	3.73	37.66	48.79	ND(0.2562)	ND(2.0)	226	120
09/23/2009	0.23 I	ND(0.247)	0.36 I	1.1	1.69	5.56	ND(15)	56.0 I	ND(36)
12/07/2009	3.0	2.89	9.13	65.0	80.02	5.85	ND(15)	332	58.0 I
03/11/2010	6.22	5.37	13.2	140.3	165.09	7.13	ND(15)	607	230
05/17/2010	8.92	2.77	9.24	88.9	109.83	6.51	ND(15)	540	153 I
09/27/2010	1.64	2.07	2.28	16.72	22.71	5.22	ND(6.14)	93 I	90 I
12/02/2010	2.45	3.13	14.9	61.5	81.98	5.2	11.1 I	328	192 I
02/18/2011	0.74 J	0.54 J	1.8	9.3	12.38	3.1	ND(25)	ND(200)	ND(110)
05/20/2011	2.4	1.5	3.9	46.9	54.7	3.5	ND(25)	235	ND(100)
08/10/2011	0.84 J	0.28 J	1.2	3.5	5.82	3.1	ND(25)	ND(200)	ND(100)
11/03/2011	0.99 J	0.60 J	3.5	13.0	18.09	2.7	ND(25)	ND(200)	ND(100)
02/01/2012	1.1	0.80 J	3.8	18.7	24.4	2.9	ND(25)	NS	NS
RW-03									
01/06/2004	ND(22)	191	ND(13)	ND(18)	191	67600	ND(740)	81200	312
04/05/2004	ND	ND	ND	ND	ND	125000	ND	145000	ND
07/08/2004	110	158	ND(200)	ND(200)	268	123000	8530	141000	895
10/05/2004	39.7	10.4	ND	41.4	91.5	18100	12300	15200	ND
01/03/2005	40.1	4.7	ND	6.7	51.5	21800	16600	18800	159
04/13/2005	83.8	152	6.0	53.6	295.4	11200	18800	20500	1280
08/17/2005	40.1	ND	ND	10.2	50.3	17500	14000	18800	190
11/17/2005	10.3	ND	ND	ND	10.3	14000	15400	9090	ND
03/30/2006	12.2	7.75	9.64	68.4	97.99	90.2	252	237	204
06/29/2006	1.9	ND	ND	ND	1.9	420	711	495	109
09/29/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	27.5	53.3	ND(100)	611
12/19/2006	1.99	ND(1.0)	ND(1.0)	ND(3.0)	1.99	122	252	180	189
03/06/2007	4.4	ND(2.0)	ND(2.0)	ND(6.0)	4.4	156	369	154	230
06/22/2007	4.56	ND(1.0)	ND(1.0)	4.92	9.48	105	133	ND(100)	179
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.96	ND(20)	ND(100)	ND(105)
12/05/2007	5.22	ND(1.0)	ND(1.0)	ND(3.0)	5.22	62.4	175	154	ND(105)
03/25/2008	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(20)	72.0	120	140	ND(50)
06/24/2008	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	71.0	90	150	140
09/15/2008	ND(0.16)	ND(0.14)	ND(0.19)	ND(0.71)	ND(1.2)	54.0	ND(1.0)	110	190 I
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	75.42	117	187	86
02/20/2009	0.7867 I	0.5624 I	ND(0.1959)	0.5052	1.8543	51.54	42.0	85	97 I

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RW-03									
05/07/2009	ND(0.2105)	0.95 I	ND(0.1959)	ND(0.6946)	0.95	34.43	45.5	50.0	100
09/23/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	14.4	ND(15)	100	ND(36)
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	17.7	19.5 I	49.0 I	ND(36)
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	3.05	ND(15)	30.0	ND(36)
05/17/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	2.08	ND(15)	27.0 I	45.0 I
09/27/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	8.66	10.0 I	ND(25)	ND(36)
12/02/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	6.91	ND(6.14)	29.0 I	ND(36)
02/18/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	7.0	ND(25)	ND(200)	ND(110)
05/20/2011	1.1	0.71 J	1.6	20.7	24.11	3.5	ND(25)	ND(200)	ND(100)
08/10/2011	0.62 J	0.18 J	0.96 J	2.7	4.46	2.8	ND(25)	ND(200)	ND(100)
11/03/2011	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	4.1	ND(25)	ND(200)	ND(100)
02/01/2012	1.1	0.72 J	2.9	14.2	18.92	3.0	ND(25)	NS	NS
RW-10									
04/05/2004	354	153	208	183	898	43500	23200	64100	ND
07/01/2004	784	86.9	858	363	2091.9	34200	28600	85500	2280
10/05/2004	675	74.5	45.6	301	1096.1	34600	18700	6990	605
01/03/2005	139	20.6	16.9	155	331.5	8850	2670	9450	826
04/13/2005	490	295	73.6	527	1385.6	45800	9630	40100	462
08/17/2005	442	58.4	ND	415	915.4	36800	8460	70800	589
11/17/2005	114	ND	17.2	147	278.2	20700	10400	39500	631
03/30/2006	64.8	18.6	40.4	129	252.8	1110	942	2150	707
06/29/2006	139	8.8	101	207	455.8	152	304	2390	896
09/29/2006	175	4.74	126	153	458.74	35.8	203	812	927
03/06/2007	36.0	6.4	15.0	56.0	113.4	190	241	557	1200
06/22/2007	3.67	1.41	1.46	13.2	19.74	59.7	75.4	ND(100)	183
09/25/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	7.81	ND(20)	ND(100)	ND(100)
12/05/2007	1.79	ND(1.0)	ND(1.0)	ND(3.0)	1.79	23.9	56.8	126	ND(105)
03/25/2008	46.0	ND(5.0)	ND(5.0)	ND(5.0)	46.0	100	240	380	380
06/24/2008	110	3.8	20.0	70.0	203.8	160	380	1100	1600
09/15/2008	4.3	ND(0.14)	ND(0.19)	ND(0.71)	4.3	90	ND(1.0)	170	440
12/12/2008	ND(0.2105)	ND(0.1601)	ND(0.1959)	ND(0.6946)	ND(1.2611)	ND(0.2562)	ND(2.0)	ND(25)	20.0 I
02/20/2009	4.454	0.5923 I	ND(0.1959)	1.61	6.6563	74.32	127	150	980
05/07/2009	13.93	0.94 I	2.71	6.38	23.96	82.5	245	185	150
09/23/2009	33.0	1.62	8.57	50.4	93.59	66.6	262	332	230 I
12/07/2009	35.7	1.77	21.7	98.6	157.77	46.7	341	633	502 I

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RW-10									
03/11/2010	39.9	0.93	2.12	24.5	67.45	33.6	112	294	292
05/17/2010	30.5	0.51 I	1.19	6.85	39.05	41.1	138	192	156 I
09/27/2010	7.81	0.236 I	4.07	11.17	23.286	16.9	138	109	253 I
12/02/2010	29.9	0.91 I	6.58	46.1	83.49	27.7	218	339	443 I
02/18/2011	5.7	0.31 J	4.3	11.3	21.61	17.4	221	ND(200)	338
05/20/2011	36.7	1.1	9.9	32.0	79.7	25.9	105	210	332
08/10/2011	0.56 J	ND(1.0)	0.65 J	2.3	3.51	2.9	ND(25)	ND(200)	ND(100)
11/03/2011	9.1	0.52 J	4.7	19.7	34.02	10.4	189	232	258
02/01/2012	14.3	0.52 J	1.7	9.9	26.42	16.1	82	NS	NS
RW-19									
09/27/2010	2.82	ND(0.201)	ND(0.21)	1.4	4.22	294	198	228	ND(36)
12/06/2010	ND(0.249)	ND(0.201)	ND(0.21)	ND(0.676)	ND(1.336)	66.7	ND(6.14)	59.0 I	111 I
02/17/2011	0.61 J	ND(1.0)	ND(1.0)	0.50 J	1.11	538	31.4	690	ND(120)
05/20/2011	3.0	ND(1.0)	ND(1.0)	1.1	4.1	620	83.9	426	ND(100)
08/09/2011	3.0	ND(1.0)	ND(1.0)	0.67 J	3.67	703	85.6	827	ND(100)
10/31/2011	2.4	ND(1.0)	ND(1.0)	0.26 J	2.66	702	90.7	851	ND(100)
02/01/2012	2.6	ND(1.0)	ND(1.0)	0.53 J	3.13	760	86.4	NS	NS
RW-20									
12/06/2010	ND(12.5)	ND(10.1)	ND(10.5)	ND(33.9)	ND(67)	5430	1740	3400	406 I
02/17/2011	14.3	ND(1.0)	ND(1.0)	1.4	15.7	3210	538	3510	170
05/20/2011	5.5	ND(5.0)	ND(5.0)	ND(5.0)	5.5	1630	187	1100	ND(100)
08/09/2011	5.3	ND(5.0)	ND(5.0)	ND(5.0)	5.3	1840	212	1820	ND(100)
10/31/2011	4.7 J	ND(5.0)	ND(5.0)	ND(5.0)	4.7	1660	189	1930	ND(100)
02/01/2012	3.0	ND(2.0)	ND(2.0)	ND(2.0)	3.0	1200	112	NS	NS
RW-21									
12/06/2010	ND(4.99)	ND(4.03)	ND(4.2)	ND(13.53)	ND(26.75)	1420	ND(123)	1030	40.0 I
02/17/2011	12.0	ND(1.0)	ND(1.0)	ND(1.0)	12.0	867	109	926	ND(110)
05/20/2011	4.7	ND(1.0)	ND(1.0)	0.29 J	4.99	559	69.7	420	ND(100)
08/09/2011	3.9	ND(1.0)	ND(1.0)	ND(1.0)	3.9	674	66.0	840	ND(100)
10/31/2011	2.6	ND(1.0)	ND(1.0)	ND(1.0)	2.6	550	43.6	624	ND(100)
02/01/2012	2.1	ND(1.0)	ND(1.0)	ND(1.0)	2.1	392	ND(25)	NS	NS
RW-22									
09/27/2010	25.7	ND(0.201)	ND(0.21)	10.5	36.2	12900	10700	9790	140 I
12/06/2010	19.5	ND(0.201)	ND(0.21)	3.2	22.7	9810	3930	9710	136 I
02/17/2011	4.9 J	ND(10)	ND(10)	ND(10)	4.9	5630	1630	5890	ND(110)

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RW-22									
05/20/2011	4.3 J	ND(5.0)	ND(5.0)	1.1 J	5.4	5920	1700	3270	129
08/09/2011	5.3 J	ND(10)	ND(10)	ND(10)	5.3	5090	1610	4640	ND(100)
10/31/2011	9.6 J	ND(10)	ND(10)	2.1 J	11.7	2990	1040	2860	ND(100)
02/01/2012	3.9 J	ND(10)	ND(10)	ND(10)	3.9	5320	1110	NS	NS
RW-23									
12/06/2010	12.7 I	ND(4.03)	ND(4.2)	ND(13.53)	12.7	1520	1710	1540	384 I
02/17/2011	22.9	ND(5.0)	ND(5.0)	5.2	28.1	2010	684	2130	328
05/20/2011	15.2	ND(10)	ND(10)	3.4 J	18.6	2300	676	1760	149
08/09/2011	17.4	ND(5.0)	ND(5.0)	1.0 J	18.4	1460	567	1700	146
10/31/2011	14.7	ND(5.0)	ND(5.0)	4.0 J	18.7	2220	734	2550	ND(100)
02/01/2012	13.7	ND(5.0)	ND(5.0)	3.4 J	17.1	2390	362	NS	NS
TF-01									
01/06/2004	30.2	60.3	0.34	27.9	118.74	20800	1710	30500	369
04/05/2004	ND	ND	ND	ND	ND	45200	ND	ND	ND
10/05/2004	ND	ND	ND	ND	ND	54800	14200	67100	ND
01/03/2005	ND	45.1	ND	ND	45.1	54900	17800	43500	319
04/13/2005	265	370	5.7	227	867.7	33600	5670	49000	264
08/17/2005	56.5	24.8	ND	282	363.3	93500	1980	139000	233
11/17/2005	1.1	ND	ND	3.1	4.2	1580	796	2730	577
03/30/2006	ND	ND	ND	ND	ND	287	26.4	229	NS
06/29/2006	ND	ND	ND	ND	ND	ND	ND	ND	295
01/18/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	1.36	ND(20)	ND(100)	292
03/11/2010	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	0.33	ND(15)	115	37.0
05/17/2010	0.46 I	ND(0.247)	ND(0.196)	ND(0.696)	0.46	0.56 I	ND(15)	ND(25)	39.0 I
TF-02									
04/05/2004	ND	ND	ND	ND	ND	62900	ND	ND	ND
10/05/2004	ND	ND	ND	ND	ND	148000	29400	194000	401
01/03/2005	37.8	87.4	ND	40.9	166.1	87800	9460	67600	2010
04/13/2005	481	671	ND	372	1524	85900	4420	144000	536
08/17/2005	127	ND	ND	251	378	129000	3590	226000	296
11/17/2005	ND	ND	ND	ND	ND	5130	5510	5360	1910
03/30/2006	ND	ND	ND	ND	ND	226	114	234	NS
06/29/2006	ND	ND	ND	ND	ND	59.7	107	ND	861
01/18/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(3.0)	ND(6.0)	49.8	56.6	ND(100)	1310
12/07/2009	ND(0.211)	ND(0.247)	ND(0.196)	ND(0.696)	ND(1.35)	1.76 I	120	42.0 I	1260

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TF-02									
03/11/2010	22.1	23.0	2.24	27.4	74.74	6.64	ND(15)	180	76.0
05/17/2010	0.28 I	ND(0.247)	ND(0.196)	0.33	0.61	0.90 I	ND(15)	ND(25)	48.0 I

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Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
600 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
600 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
600 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.11	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
600 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
600 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
601 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/02/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/02/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/02/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/02/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/02/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/02/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/02/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
601 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/02/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/02/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/02/2012	ND	U	5	ug/L
	2-Hexanone					
		02/02/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/02/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/02/2012	ND	U	2	ug/L
	Acetone					
		02/02/2012	ND	U	5	ug/L
	Benzene					
		02/02/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/02/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/02/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/02/2012	ND	U	0.5	ug/L
	Bromoform					
		02/02/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/02/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
601 BRYANTS NURSERY						
	Carbon disulfide					
		02/02/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/02/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/02/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/02/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/02/2012	ND	U	0.5	ug/L
	Chloroform					
		02/02/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/02/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/02/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/02/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/02/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/02/2012	ND	U	1	ug/L
	Diesel					
		02/02/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/02/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/02/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/02/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
601 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/02/2012	ND	U	2	ug/L
	Hexane					
		02/02/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/02/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/02/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/02/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/02/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/02/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/02/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/02/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/02/2012	ND	U	0.5	ug/L
	Styrene					
		02/02/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/02/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/02/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
601 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/02/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/02/2012	ND	U	0.5	ug/L
	Toluene					
		02/02/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/02/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/02/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/02/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/02/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/02/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/02/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/02/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
610 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	0.19	J	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
610 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
610 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.11	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
610 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
610 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
611 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
611 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
611 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
611 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
611 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
621 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
621 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
621 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	0.087	J	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.58		0.5	ug/L
	Chloromethane					
		02/01/2012	0.14	J	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
621 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
621 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*	*Result*	*Lab Flag*	*Reporting Limit*	*Units*
640 BRYANTS NURSERY					
	1,1,1,2-Tetrachloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene				
	02/06/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene				
	02/06/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene				
	02/06/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane				
	02/06/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene				
	02/06/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene				
	02/06/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane				
	02/06/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)				
	02/06/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene				
	02/06/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane				
	02/06/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane				
	02/06/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
640 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/06/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/06/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/06/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/06/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/06/2012	ND	U	5	ug/L
	2-Hexanone					
		02/06/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/06/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/06/2012	ND	U	2	ug/L
	Acetone					
		02/06/2012	ND	U	5	ug/L
	Benzene					
		02/06/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/06/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/06/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/06/2012	ND	U	0.5	ug/L
	Bromoform					
		02/06/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/06/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
640 BRYANTS NURSERY						
	Carbon disulfide					
		02/06/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/06/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/06/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/06/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/06/2012	ND	U	0.5	ug/L
	Chloroform					
		02/06/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/06/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/06/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/06/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/06/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/06/2012	ND	U	1	ug/L
	Diesel					
		02/06/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/06/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/06/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/06/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
640 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/06/2012	ND	U	2	ug/L
	Hexane					
		02/06/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/06/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/06/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/06/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/06/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/06/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/06/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/06/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/06/2012	ND	U	0.5	ug/L
	Styrene					
		02/06/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/06/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/06/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
640 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/06/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/06/2012	ND	U	0.5	ug/L
	Toluene					
		02/06/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/06/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/06/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/06/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/06/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/06/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/06/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/06/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name	Result	Lab Flag	Reporting Limit	Units
650 BRYANTS NURSERY					
	1,1,1,2-Tetrachloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,1,1-Trichloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,1,2-Trichloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,1-Dichloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,1-Dichloroethene				
02/01/2012		ND	U	0.5	ug/L
	1,1-Dichloropropene				
02/01/2012		ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene				
02/01/2012		ND	U	0.5	ug/L
	1,2,3-Trichloropropane				
02/01/2012		ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene				
02/01/2012		ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene				
02/01/2012		ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane				
02/01/2012		ND	U	1	ug/L
	1,2-Dibromoethane (EDB)				
02/01/2012		ND	U	0.5	ug/L
	1,2-Dichlorobenzene				
02/01/2012		ND	U	0.5	ug/L
	1,2-Dichloroethane				
02/01/2012		ND	U	0.5	ug/L
	1,2-Dichloropropane				
02/01/2012		ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
650 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
650 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
650 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	0.61		0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
650 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
651 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
651 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
651 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.22	J	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
651 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
651 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
660 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	0.13	J	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
660 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
660 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.085	J	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
660 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
660 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
661 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
661 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
661 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.19	J	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
661 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	0.13	J	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

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Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
661 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
670 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	0.13	J	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
670 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
670 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	ND	U	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
670 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	0.34	J	0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
670 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
700 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	0.21	J	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
700 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
700 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.078	J	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	0.214		0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	0.11	J	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
700 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	0.97		0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
700 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
701 BRYANTS NURSERY						
	1,1,1,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,1-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2,2-Tetrachloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1,2-Trichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethane					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	1,1-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,3-Trichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2,4-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dibromo-3-chloropropane					
		02/01/2012	ND	U	1	ug/L
	1,2-Dibromoethane (EDB)					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,2-Dichloroethane					
		02/01/2012	0.42	J	0.5	ug/L
	1,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
701 BRYANTS NURSERY						
	1,3,5-Trimethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	1,3-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	1,4-Dichlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	2,2-Dichloropropane					
		02/01/2012	ND	U	0.5	ug/L
	2-Butanone					
		02/01/2012	ND	U	5	ug/L
	2-Hexanone					
		02/01/2012	ND	U	2	ug/L
	4-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	4-Methyl-2-pentanone					
		02/01/2012	ND	U	2	ug/L
	Acetone					
		02/01/2012	ND	U	5	ug/L
	Benzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Bromochloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromodichloromethane					
		02/01/2012	ND	U	0.5	ug/L
	Bromoform					
		02/01/2012	ND	U	0.5	ug/L
	Bromomethane					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
701 BRYANTS NURSERY						
	Carbon disulfide					
		02/01/2012	ND	U	0.5	ug/L
	Carbon Tetrachloride					
		02/01/2012	ND	U	0.5	ug/L
	Chlorobenzene					
		02/01/2012	ND	U	0.5	ug/L
	Chlorodibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroethane					
		02/01/2012	ND	U	0.5	ug/L
	Chloroform					
		02/01/2012	0.098	J	0.5	ug/L
	Chloromethane					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	cis-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Dibromomethane					
		02/01/2012	ND	U	0.5	ug/L
	Dichlorodifluoromethane					
		02/01/2012	ND	U	1	ug/L
	Diesel					
		02/01/2012	ND	U	0.1	mg/L
	Diisopropyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethyl tert-Butyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	Ethylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	GRO as Gasoline					
		02/01/2012	ND	U	0.2	mg/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	*Analyte Name*		*Result*	*Lab Flag*	*Reporting Limit*	*Units*
701 BRYANTS NURSERY						
	Hexachlorobutadiene					
		02/01/2012	ND	U	2	ug/L
	Hexane					
		02/01/2012	ND	U	0.5	ug/L
	Isopropylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	m,p-Xylene					
		02/01/2012	ND	U	1	ug/L
	Methyl tert-Butyl Ether					
		02/01/2012	0.51		0.5	ug/L
	Methylene Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Naphthalene					
		02/01/2012	ND	U	0.5	ug/L
	n-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	n-Propylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	o-Chlorotoluene					
		02/01/2012	ND	U	0.5	ug/L
	o-Xylene					
		02/01/2012	ND	U	0.5	ug/L
	p-Isopropyltoluene					
		02/01/2012	ND	U	0.5	ug/L
	sec-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L
	Styrene					
		02/01/2012	ND	U	0.5	ug/L
	Tert-Amyl Methyl Ether					
		02/01/2012	ND	U	0.5	ug/L
	tert-Butylbenzene					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 3
Potable Well Samples Analytical Results
Former Shell Service Station #137675

Sample Name and Date	Analyte Name		Result	Lab Flag	Reporting Limit	Units
701 BRYANTS NURSERY						
	Tertiary Butyl Alcohol					
		02/01/2012	ND	U	5	ug/L
	Tetrachloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Toluene					
		02/01/2012	ND	U	0.5	ug/L
	Total BTEX					
		02/01/2012	ND		2	ug/L
	trans-1,2-Dichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	trans-1,3-Dichloropropene					
		02/01/2012	ND	U	0.5	ug/L
	Trichloroethene					
		02/01/2012	ND	U	0.5	ug/L
	Trichlorofluoromethane					
		02/01/2012	ND	U	1	ug/L
	Vinyl Chloride					
		02/01/2012	ND	U	0.5	ug/L
	Xylenes, total					
		02/01/2012	ND	U	0.5	ug/L

Notes:
ND; U - Not Detected
UG/L - Micrograms per liter
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V - Analyte detected in both the sample and associated method blank. Note: The value in the blank shall not be subtracted fron associated samples.

Table 4
Onsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15541 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Onsite Influent								
07/01/2004	NS	NS	NS	NS	363	45500	NS	NS
08/01/2004	NS	NS	NS	NS	187	12900	NS	NS
09/01/2004	NS	NS	NS	NS	141	2350	NS	NS
10/01/2004	NS	NS	NS	NS	229	7980	NS	NS
11/01/2004	NS	NS	NS	NS	295.6	7610	NS	NS
12/01/2004	NS	NS	NS	NS	400.6	15100	NS	NS
01/01/2005	NS	NS	NS	NS	121.4	3940	NS	NS
02/01/2005	NS	NS	NS	NS	115.6	13200	NS	NS
03/01/2005	NS	NS	NS	NS	90.9	3950	NS	NS
04/01/2005	NS	NS	NS	NS	264.3	5290	NS	NS
05/01/2005	NS	NS	NS	NS	595	23400	NS	NS
06/01/2005	NS	NS	NS	NS	304.1	8490	NS	NS
07/01/2005	NS	NS	NS	NS	422.2	13700	NS	NS
08/01/2005	NS	NS	NS	NS	270.1	14000	NS	NS
09/01/2005	NS	NS	NS	NS	60.4	5600	NS	NS
10/01/2005	NS	NS	NS	NS	370	36100	NS	NS
11/01/2005	NS	NS	NS	NS	153.7	3980	NS	NS
12/01/2005	NS	NS	NS	NS	102.2	5830	NS	NS
01/01/2006	NS	NS	NS	NS	51	1190	NS	NS
02/01/2006	NS	NS	NS	NS	74.6	424	NS	NS
03/01/2006	NS	NS	NS	NS	68.3	123	NS	NS
04/01/2006	NS	NS	NS	NS	57.6	120	NS	NS
05/01/2006	NS	NS	NS	NS	12.4	135	NS	NS
06/01/2006	NS	NS	NS	NS	ND ()	569	NS	NS
07/10/2006	102	8.09	53.4	127	290.49	388	NS	NS
08/17/2006	ND	ND	259	ND	368	ND	NS	NS
09/29/2006	4.51	ND (1)	ND (1)	ND (2)	ND (5)	218	NS	NS
10/16/2006	1.79	85.4	ND (1)	3.28	90.47	NS	NS	NS
11/15/2006	1.73	2.51	2.13	16.2	22.57	9.99	NS	NS
12/13/2006	1.81	2.04	1.87	12.3	18.02	23.5	NS	NS
01/05/2007	1.8	4.27	5.22	28.6	39.89	17.4	NS	NS
02/12/2007	62.4	2.54	47.1	26.5	138.54	55.8	734	NS
03/12/2007	3.9	ND (2)	ND (2)	11	14.9	150	179	NS
04/09/2007	115	30.4	52.6	98.2	296.2	228	1390	NS
05/07/2007	8.56	10.1	8.26	61.4	88.32	35.1	368	NS
06/11/2007	4.06	3.48	4.38	37.2	49.12	25.4	232	NS
07/09/2007	1.86	1.39	1.57	13.7	18.52	24.4	148	NS
08/08/2007	10	1.26	2.62	11.1	24.98	11.3	ND (100)	NS
09/10/2007	10	1.26	2.62	11.1	24.98	11.3	ND (100)	NS
10/08/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	10.3	112	NS
11/20/2007	ND (1)	ND (1)	ND (1)	2.04	2.04	8.81	176	NS

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO - Total Petroleum Hydrocarbons - Gasoline Range Organics

ND - Below laboratory detection limit
ND(#) - Not Detected (Reporting Limit)
NS - Not Sampled

Table 4
Onsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15541 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Onsite Influent								
12/10/2007	1.16	ND (1)	ND (1)	2.04	3.2	14.6	125	NS
01/09/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	42.6	103	NS
02/07/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	14.4	ND (100)	NS
02/21/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	11.2	119	NS
03/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	78	140	NS
03/26/2008	3.5	1.35	2.21	9.98	17.04	11	ND (100)	NS
04/04/2008	1.64	ND (1)	ND (1)	ND (2)	1.64	86.2	127	NS
04/14/2008	3.5	ND (1)	1.32	3.98	8.8	18.3	110	NS
05/01/2008	34.6	1.15	3.2	3.94	42.89	49	381	NS
05/19/2008	7.04	5.81	15.8	70.9	99.55	9.45	640	NS
06/04/2008	18	1.31	2.17	5.52	27	83.8	453	NS
06/18/2008	5.75	2.36	2.26	48.4	58.77	60.7	188	NS
07/07/2008	17.83	ND (1)	1.15	10.95	29.93	44.06	250	NS
07/23/2008	10	ND (1)	1.1	11.1	22.2	43.1	270	NS
08/06/2008	6.19	ND (1)	ND (1)	2.73	8.92	20.8	120	NS
08/21/2008	31	ND (1)	4.6	7.1	42.7	79	240	NS
09/04/2008	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	18	170	NS
09/18/2008	10	ND (1)	ND (1)	ND (3)	10	44	100	NS
10/10/2008	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	35	120	NS
10/23/2008	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	11	ND (100)	NS
11/06/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	13	ND (100)	NS
11/20/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	9.2	ND (100)	NS
12/01/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	11	ND (100)	NS
12/18/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	11	120	NS
01/09/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	8.7	ND (100)	NS
01/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	11	100	NS
02/03/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	22	150	NS
02/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	59.13	198	NS
03/04/2009	1	ND (1)	ND (1)	0.56	1.56	15.15	ND (100)	NS
03/18/2009	1	ND (1)	ND (1)	ND (3)	1.01	43.9	ND (100)	NS
04/09/2009	0.53	ND (1)	ND (1)	ND (3)	0.53	35.05	ND (50)	NS
04/23/2009	0.89	ND (1)	ND (1)	2.51	3.4	26.19	ND (50)	NS
05/06/2009	4.68	1.55	1.72	15.38	23.33	38.75	163	NS
05/21/2009	6.364	3.726	5.319	43.73	59.139	32.41	373	NS
06/04/2009	9.55	6.47	17.99	105.86	139.87	ND (2)	703	NS
06/16/2009	4.86	4.45	14.52	67.39	91.22	18.75	368	NS
07/07/2009	9.73	10.25	30.83	195.08	245.89	17.6	759	NS
07/23/2009	7.03	8.07	25.54	140.1	180.74	8.59	370	NS
08/04/2009	1.57	1.43	3.68	28.4	33.08	15.3	190	NS
08/19/2009	1.29	1.07	3.08	21.12	26.56	14.25	99	NS
09/01/2009	10	1.4	4.6	40	56	16	320	NS

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

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Onsite Influent								
09/15/2009	14	2.1	4	66	86.1	17	320	NS
10/08/2009	2.82	0.249	1.04	5.55	9.659	21.6	45	NS
10/21/2009	3.82	0.565	1.76	11.2	17.345	20.8	133	NS
11/04/2009	2.16	0.8	1.61	12.65	17.22	16.3	102	NS
11/19/2009	1.49	ND	1.05	4.76	7.3	13.4	67	NS
12/01/2009	ND	ND	ND	ND	ND ()	22.5	38	NS
12/17/2009	1.75	1.03	2.1	23.5	28.38	12.1	183	NS
01/04/2010	3.11	1.12	3.01	41	48.24	9.01	256	NS
01/22/2010	3.58	2.02	5.56	41.2	52.4	7.33	219	NS
02/01/2010	3.19	0.901	1.82	24.2	30.111	9.36	173	NS
02/17/2010	2.82	1.12	2.91	32.7	39.55	7.73	183	NS
03/02/2010	3.89	2.45	5.95	60.1	72.4	7.97	207	NS
03/17/2010	3.22	2.4	7.32	54.7	67.6	3.9	265	NS
04/09/2010	2.46	1.74	5.98	36.2	46.3	5.05	171	NS
04/20/2010	5.41	4.38	17.6	113.8	141.2	5.8	32	NS
05/03/2010	2.86	ND (1)	4.89	36.2	43.9	5.84	141	NS
05/20/2010	3.67	0.953	4.59	34.7	44.1	5.99	215	NS
06/03/2010	2.99	1.66	3.3	32.3	40.3	4.34	170	NS
06/16/2010	3.08	1.21	2.63	18.1	25	6.24	127	NS
07/08/2010	7.13	2.42	8.63	65	83.2	7.06	287	NS
07/21/2010	2.35	ND (1)	1.89	22.6	26.8	9.11	137	NS
08/05/2010	7.42	1.28	6.29	26	40.9	17	159	NS
08/18/2010	2.22	ND (1)	2.88	8.53	13.63	6.28	96	NS
09/08/2010	1.43	ND (1)	0.689	6.09	8.21	7.78	77	NS
09/21/2010	57.6	2.34	50.4	63.2	173.5	25.1	1060	NS
10/08/2010	6.24	1.83	5.79	45.2	59.1	10.6	167	NS
10/21/2010	6.3	0.98	5.98	21.1	34.4	7.49	137	NS
11/03/2010	3.92	ND (1)	5.74	19.1	28.7	9.84	154	NS
11/16/2010	1.8	1.2	3.94	24.1	31.1	5.09	139	NS
12/06/2010	3.79	0.55	1.82	14.7	20.86	11.1	0.097	NS
01/11/2011	4.7	1.5	7.9	23	37.1	5.3	207	ND (110)
01/25/2011	0.61 J	ND (1)	1	3.6	5.21	3.2	ND (200)	ND (100)
02/08/2011	0.62 J	ND (1)	1	3.6	5.22	2.8	ND (200)	ND (110)
02/23/2011	22.4	0.94 J	11.3	29.6	64.24	22	ND (200)	329
03/07/2011	6.6	1	4.9	29.5	42	5.7	203	ND (110)
03/22/2011	9.7	2.5	9.4	68	89.6	5.9	425	186
04/05/2011	18.4	1.8	8.8	54.8	83.8	7.9	280	ND (110)
04/18/2011	23.2	2.8	11.4	59.3	96.7	9.1	277	ND (110)
05/12/2011	4.9	1.1	3.1	27.7	36.8	6.3	216	133
05/24/2011	10.9	5.2	22	137	175.1	12.9	603	ND (110)
06/09/2011	4.1	0.97 J	2.6	21.7	29.37	6.6	201	ND (110)

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Onsite Influent								
06/22/2011	6.8	0.94 J	3	19.9	30.64	9.6	ND (200)	694
07/07/2011	35.6	0.93 J	4	16.4	56.93	35.1	232	310
07/20/2011	1.9	ND (1)	0.68 J	2.6	5.18	5.4	ND (200)	ND (100)
08/04/2011	5.9	0.28 J	1.2	6.3	13.68	6.2	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	4.5	ND (200)	ND (110)
09/16/2011	4.1	0.44 J	2	8.2	14.74	4	ND (200)	ND (100)
09/28/2011	0.54 J	0.3 J	1.2	4	6.04	2.3	ND (200)	ND (110)
10/20/2011	8.1	0.32 J	3.1	8.1	19.62	6.9	ND (200)	ND (110)
10/27/2011	1.9	ND (1)	1.7	8.9	12.5	4.8	ND (200)	ND (100)
11/09/2011	2.1	0.45 J	2.7	11	16.25	4.1	ND (200)	ND (130)
11/30/2011	0.95 J	ND (1)	0.36 J	2.1	3.41	3.6	ND (200)	ND (110)
12/14/2011	1.3	0.58 J	2.4	9.9	14.18	3.9	ND (200)	ND (110)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	3.3	ND (200)	ND (110)
01/10/2012	1.6	0.38 J	1.8	9	12.78	2.8	ND (200)	ND (110)
01/25/2012	2.4	0.53 J	2.2	10	15.13	4	ND (200)	ND (110)

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Mid-System								
07/10/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
08/17/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
09/29/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
10/16/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
11/15/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
12/13/2006	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	NS	NS
01/05/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
02/12/2007	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (100)	NS
03/12/2007	ND (1)	ND (2)	ND (2)	ND (6)	ND (11)	ND (2)	ND (100)	NS
04/09/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
05/07/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
06/11/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
07/09/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
08/08/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
09/10/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
10/08/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
11/20/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
12/10/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
01/09/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
02/07/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	42.6	ND (100)	NS
02/21/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
03/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
03/26/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
04/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
04/14/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
05/01/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
05/19/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
06/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
06/18/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
07/07/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
07/23/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	160	NS
08/06/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
08/21/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
09/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
09/18/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
10/10/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
10/23/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	130	NS
11/06/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
11/20/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
12/01/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
01/09/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS

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Mid-System								
01/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
02/03/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	150	NS
02/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	112	NS
03/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
03/18/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
04/09/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
04/23/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (50)	NS
05/06/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
05/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	87	NS
06/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	58	NS
06/16/2009	ND (1)	0.99	ND (1)	ND (3)	0.99	ND (2)	63	NS
07/07/2009	ND (1)	0.7	ND (1)	ND (3)	3.02	ND (2)	ND (100)	NS
07/23/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
08/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
08/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
09/01/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
09/15/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
10/08/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
10/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
11/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	ND (100)	NS
11/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	46	NS
12/01/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	29	NS
12/17/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	0.34	ND (100)	NS
01/04/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	0.58	26	NS
01/22/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	0.84	41	NS
02/01/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	1.08	33	NS
02/17/2010	0.25	ND (1)	ND (1)	ND (3)	0.25	1.4	44	NS
03/02/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	2.28	ND (100)	NS
03/17/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	3.41	32	NS
04/09/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	3.41	32	NS
04/20/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	3.58	440	NS
05/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	4.68	ND (100)	NS
05/20/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	5.43	ND (100)	NS
06/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	6.54	ND (100)	NS
06/16/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	6.54	ND (100)	NS
07/08/2010	0.49	ND (1)	ND (1)	ND (3)	0.49	8.6	47	NS
07/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	10.5	41	NS
08/05/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
08/18/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	26	NS
09/08/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
09/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS

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

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
Mid-System								
10/08/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
10/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
11/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
11/16/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
12/06/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	ND (100)	NS
01/11/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
09/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.58 J	ND (200)	ND (110)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.63 J	ND (200)	ND (100)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.87 J	ND (200)	ND (130)
11/30/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.96 J	ND (200)	ND (110)
12/14/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	1.1	ND (200)	ND (100)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.74 J	ND (200)	ND (120)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	1.2	ND (200)	ND (110)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	1.7	ND (200)	ND (110)

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO - Total Petroleum Hydrocarbons - Gasoline Range Organics

ND - Below laboratory detection limit
ND(#) - Not Detected (Reporting Limit)
NS - Not Sampled

Table 4
Onsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15541 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Onsite Effluent								
07/10/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
08/17/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
09/29/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
10/16/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
11/15/2006	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
12/13/2006	ND (1)	ND (2)	ND (1)	ND (1)	ND (5)	ND (1)	NS	NS
01/05/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
02/12/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
03/12/2007	ND (1)	ND (2)	ND (2)	ND (6)	ND (11)	ND (2)	NS	NS
04/09/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
05/07/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
06/11/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
07/09/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
08/08/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
09/10/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
10/08/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
11/20/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
12/10/2007	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
01/09/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
02/07/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	42.6	NS	NS
02/21/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
03/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
03/26/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
04/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
04/14/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
05/01/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
05/19/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
06/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
06/18/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
07/07/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	ND (100)	NS
07/23/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
08/06/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
08/21/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
09/04/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
09/18/2008	ND (1)	ND (1)	ND (1)	5.3	5.3	ND (1)	NS	NS
10/10/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
10/23/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
11/06/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
11/20/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
12/01/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS
12/18/2008	ND (1)	ND (1)	ND (1)	ND (2)	ND (5)	ND (1)	NS	NS

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
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Former Shell Service Station #137675
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Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
Onsite Effluent								
01/09/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
01/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
02/03/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
02/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
03/04/2009	ND (1)	ND (1)	ND (1)	0.54	0.54	ND (2)	NS	NS
03/18/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
04/09/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
04/23/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
05/06/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
05/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
06/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
06/16/2009	ND (1)	0.88	ND (1)	ND (3)	0.88	ND (2)	NS	NS
07/07/2009	ND (1)	0.7	ND (1)	ND (3)	0.7	ND (2)	NS	NS
07/23/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
08/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
08/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
09/01/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
09/15/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
10/08/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
10/21/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
11/04/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
11/19/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
12/01/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
12/17/2009	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
01/04/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
01/22/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
02/01/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (5)	ND (2)	NS	NS
02/17/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
03/02/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
03/17/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
04/09/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
04/20/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
05/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
05/20/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
06/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
06/16/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
07/08/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
07/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
08/05/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
08/18/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
09/08/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
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Former Shell Service Station #137675
15541 New Hampshire Avenue, Silver Spring, MD

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
Onsite Effluent								
09/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
10/08/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
10/21/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
11/03/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
11/16/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
12/06/2010	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (2)	NS	NS
01/11/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (120)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
09/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (130)
11/30/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
12/14/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (10000)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO - Total Petroleum Hydrocarbons - Gasoline Range Organics

ND - Below laboratory detection limit
ND(#) - Not Detected (Reporting Limit)
NS - Not Sampled

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
07/10/2006		2604354	2604354	NC	NC	388.0	0.00	199.00	RW-01, -03, -10
08/17/2006	38	2666059	2666059	61706	1.13	1.0	0.00	199.00	RW-01, -03, -10
09/29/2006	43	2752772	2752772	86713	1.40	218.0	0.16	199.16	RW-01, -03, -10
10/16/2006	17	2787224	2787224	34452	1.41	0.0	0.00	199.16	RW-01, -03, -10
11/15/2006	30	2879427	2879427	92203	2.13	10.0	0.01	199.17	RW-01, -03, -10
12/13/2006	28	2973204	2973204	93777	2.33	23.5	0.02	199.18	RW-01, -03, -10
01/05/2007	23	3051698	3051698	78494	2.37	17.4	0.01	199.20	RW-01, -03, -10
02/09/2007	35	3162532	3162532	110834	2.20	55.8	0.05	199.25	RW-01, -03
03/12/2007	31	3284560	3284560	122028	2.73	150.0	0.15	199.40	RW-01, -03, -10
04/09/2007	28	3392340	3392340	107780	2.67	228.0	0.20	199.60	RW-01, -03, -10
05/07/2007	28	3476396	3476396	84056	2.08	35.1	0.02	199.63	RW-01, -03, -10
05/21/2007	14	3521298	3521298	44902	2.23	0.0	0.00	199.63	RW-03, -10
06/11/2007	21	3594772	3594772	73474	2.43	25.4	0.02	199.64	RW-01, -03, -10
07/09/2007	28	3683662	3683662	88890	2.20	24.4	0.02	199.66	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

NC - Not Collected

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
08/08/2007	30	3731193	3731193	47531	1.10	11.3	0.00	199.67	RW-01, -03, -10
09/10/2007	33	3808314	3808314	77122	1.62	11.3	0.01	199.67	RW-01, -03, -10
10/08/2007	28	3835620	3835620	27306	0.68	10.3	0.00	199.68	RW-01, -03
11/20/2007	43	3862555	3862555	26935	0.43	8.8	0.00	199.68	RW-01, -03, -10
12/10/2007	20	3897650	3897650	35095	1.22	14.6	0.00	199.68	RW-01, -03, -10
01/09/2008	30	3949831	3949831	52181	1.21	42.6	0.02	199.70	RW-01, -03, -10
02/07/2008	29	3998840	3998840	49009	1.17	14.4	0.01	199.71	RW-01, -03, -10
02/21/2008	14	4010881	4010881	12041	0.60	11.2	0.00	199.71	RW-01, -03, -10
03/04/2008	12	4010936	4010936	55	0.00	78.0	0.00	199.71	RW-03, -10
03/26/2008	22	4058627	4058627	47692	1.51	11.0	0.00	199.71	RW-01, -03, -10
04/04/2008	9	4078684	4078684	20057	1.55	86.2	0.01	199.73	RW-01, -03, -10
04/14/2008	10	4104365	4104365	25681	1.78	18.3	0.00	199.73	RW-01, -03, -10
05/01/2008	17	4148278	4148278	43913	1.79	49.0	0.02	199.75	RW-01, -10
05/19/2008	18	4188624	4188624	40346	1.56	9.5	0.00	199.75	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

NC - Not Collected

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
06/04/2008	16	4218258	4218258	29634	1.29	83.8	0.02	199.77	RW-01, -03, -10
06/18/2008	14	4265443	4265443	47185	2.34	60.7	0.02	199.80	RW-01, -03, -10
07/07/2008	19	4318606	4318606	53163	1.94	44.1	0.02	199.82	RW-01, -03, -10
07/23/2008	16	4368926	4368926	50320	2.18	43.1	0.02	199.83	RW-01, -03, -10
08/06/2008	14	4407691	4407691	38765	1.92	20.8	0.01	199.84	RW-01, -03, -10
08/21/2008	15	4446386	4446386	38695	1.79	79.0	0.03	199.87	RW-01, -03, -10
09/04/2008	14	4479036	4479036	32650	1.62	18.0	0.00	199.87	RW-01, -03, -10
09/18/2008	14	4506297	4506297	27261	1.35	44.0	0.01	199.88	RW-01, -03, -10
10/10/2008	22	4545091	4545091	38794	1.22	35.0	0.01	199.89	RW-01, -03, -10
10/23/2008	13	4565165	4565165	20074	1.07	11.0	0.00	199.89	RW-01, -03, -10
11/06/2008	14	4586601	4586601	21436	1.06	13.0	0.00	199.90	RW-01, -03, -10
11/20/2008	14	4607586	4607586	20984	1.04	9.2	0.00	199.90	RW-01, -03, -10
12/01/2008	11	4624308	4624308	16723	1.06	13.0	0.00	199.90	RW-01, -03, -10
12/18/2008	17	4650422	4650422	26114	1.07	11.0	0.00	199.90	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

NC - Not Collected

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
01/09/2009	22	4690333	4690333	39911	1.26	8.7	0.00	199.91	RW-01, -03, -10
01/21/2009	12	4711570	4711570	21237	1.23	11.0	0.00	199.91	RW-01, -03, -10
02/03/2009	13	4737134	4737134	25564	1.37	22.0	0.00	199.91	RW-01, -03, -10
02/19/2009	16	4765100	4765100	27966	1.21	59.1	0.01	199.93	RW-01, -03, -10
03/04/2009	13	4780509	4780509	15409	0.82	15.2	0.00	199.93	RW-01, -03, -10
03/18/2009	14	4800030	4800030	19521	0.97	43.9	0.01	199.94	RW-01, -03, -10
04/09/2009	22	4822292	4822292	22262	0.70	35.1	0.01	199.94	RW-01, -03, -10
04/23/2009	14	4848494	4848494	26202	1.30	26.2	0.01	199.95	RW-01, -03, -10
05/06/2009	13	4879032	4879032	30538	1.63	38.8	0.01	199.96	RW-01, -03, -10
05/21/2009	15	4914292	4914292	35261	1.63	32.4	0.01	199.97	RW-01, -03, -10
06/04/2009	14	4941758	4941758	27466	1.36	2.0	0.00	199.97	RW-01, -03, -10
06/16/2009	12	4964528	4964528	22770	1.32	18.8	0.00	199.97	RW-01, -03, -10
07/07/2009	21	5003816	5003816	39289	1.30	17.6	0.01	199.98	RW-01, -03, -10
07/23/2009	16	5039153	5039153	35337	1.53	8.6	0.00	199.98	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

NC - Not Collected

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
08/04/2009	12	5066977	5066977	27824	1.61	15.3	0.00	199.98	RW-01, -03, -10
08/19/2009	15	5100646	5100646	33669	1.56	14.3	0.00	199.99	RW-01, -03, -10
09/01/2009	13	5105645	5105645	5000	0.27	16.0	0.00	199.99	RW-01, -03, -10
09/15/2009	14	5124630	5124630	18985	0.94	17.0	0.00	199.99	RW-01, -03, -10
10/08/2009	23	5168250	5168250	43620	1.32	21.6	0.01	200.00	RW-01, -03, -10
10/21/2009	13	5197188	5197188	28938	1.55	20.8	0.01	200.00	RW-01, -03, -10
11/04/2009	14	5229970	5229970	32783	1.63	16.3	0.00	200.01	RW-01, -03, -10
11/19/2009	15	5264906	5264906	34935	1.62	13.4	0.00	200.01	RW-01, -03, -10
12/01/2009	12	5265044	5265044	139	0.01	22.5	0.00	200.01	RW-01, -03, -10
12/17/2009	16	5311244	5311244	46200	2.01	12.1	0.00	200.02	RW-01, -03, -10
01/04/2010	18	5364367	5364367	53123	2.05	9.0	0.00	200.02	RW-01, -03, -10
01/22/2010	18	5412513	5412513	48147	1.86	7.3	0.00	200.02	RW-01, -03, -10
02/01/2010	10	5441601	5441601	29088	2.02	9.4	0.00	200.03	RW-01, -03, -10
02/17/2010	16	5483841	5483841	42240	1.83	7.7	0.00	200.03	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
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NC - Not Collected

Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
03/02/2010	13	5515785	5515785	31944	1.71	8.0	0.00	200.03	RW-01, -03, -10
03/17/2010	15	5551531	5551531	35746	1.65	3.9	0.00	200.03	RW-01, -03, -10
04/09/2010	23	5608605	5608605	57074	1.72	5.1	0.00	200.03	RW-01, -03, -10
04/20/2010	11	5639029	5639029	30424	1.92	5.8	0.00	200.04	RW-01, -03, -10
05/03/2010	13	5676562	5676562	37533	2.00	5.8	0.00	200.04	RW-01, -03, -10
05/20/2010	17	5723747	5723747	47185	1.93	6.0	0.00	200.04	RW-01, -03, -10
06/03/2010	14	5762757	5762757	39010	1.94	4.3	0.00	200.04	RW-01, -03, -10
06/16/2010	13	5800799	5800799	38042	2.03	6.2	0.00	200.04	RW-01, -03, -10
07/08/2010	22	5850158	5850158	49360	1.56	7.1	0.00	200.05	RW-01, -03, -10
07/21/2010	13	5885817	5885817	35659	1.90	9.1	0.00	200.05	RW-01, -03, -10
08/05/2010	15	5915591	5915591	29774	1.38	17.0	0.00	200.05	RW-01, -03, -10
08/18/2010	13	5953994	5953994	38402	2.05	6.3	0.00	200.05	RW-01, -03, -10
09/08/2010	21	6017917	6017917	63924	2.11	7.8	0.00	200.06	RW-01, -03, -10
09/21/2010	13	6021858	6021858	3941	0.21	25.1	0.00	200.06	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
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lbs - Pounds
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Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
10/08/2010	17	6062518	6062518	40660	1.66	10.6	0.00	200.06	RW-01, -03, -10
10/21/2010	13	6089239	6089239	26721	1.43	7.5	0.00	200.06	RW-01, -03, -10
11/03/2010	13	6126570	6126570	37331	1.99	9.8	0.00	200.07	RW-01, -03, -10
11/16/2010	13	6157499	6157499	30929	1.65	5.1	0.00	200.07	RW-01, -03, -10
12/06/2010	20	6201876	6201876	44377	1.54	11.1	0.00	200.07	RW-01, -03, -10
01/05/2011	30	6281168	6281168	79292	1.84	11.1	0.01	200.08	RW-01, -03, -10
01/11/2011	6	6294460	6294460	13292	1.54	5.3	0.00	200.08	RW-01, -03, -10
01/18/2011	7	6308825	6308825	14365	1.43	5.3	0.00	200.08	RW-01, -03, -10
01/25/2011	7	6323242	6323242	14417	1.43	3.2	0.00	200.08	RW-01, -03, -10
02/01/2011	7	6336716	6336716	13475	1.34	3.2	0.00	200.08	RW-01, -03, -10
02/07/2011	6	6350249	6350249	13533	1.57	2.8	0.00	200.08	RW-01, -03, -10
02/23/2011	16	6385328	6385328	35079	1.52	22.0	0.01	200.09	RW-01, -03, -10
03/03/2011	8	6405425	6405425	20097	1.74	22.0	0.00	200.09	RW-01, -03, -10
03/07/2011	4	6416148	6416148	10723	1.86	5.7	0.00	200.09	RW-01, -03, -10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

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Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
03/15/2011	8	6435847	6435847	19699	1.71	5.7	0.00	200.09	RW-01, -03, -10
03/22/2011	7	6454958	6454958	19111	1.90	5.9	0.00	200.10	RW-01, -03, -10
03/29/2011	7	6471389	6471389	16431	1.63	5.9	0.00	200.10	RW-01, -03, -10
04/05/2011	7	6485671	6485671	14282	1.42	7.9	0.00	200.10	RW-01, -03, -10
04/18/2011	13	6516444	6516444	30773	1.64	9.1	0.00	200.10	1, 3, 10
04/27/2011	9	6539262	6539262	22818	1.76	9.1	0.00	200.10	1, 3, 10
05/06/2011	9	6564619	6564619	25357	1.96	9.1	0.00	200.10	1, 3, 10
05/12/2011	6	6583561	6583561	18942	2.19	6.3	0.00	200.10	1, 3, 10
05/24/2011	12	6615342	6615342	31781	1.84	12.9	0.00	200.11	1, 3, 10
05/31/2011	7	6634009	6634009	18667	1.85	12.9	0.00	200.11	1, 3, 10
06/15/2011	15	NC	6634009	0	0.00	6.6	0.00	200.11	1, 3, 10
06/23/2011	8	6671400	6671400	37391	3.25	6.6	0.00	200.11	1, 3, 10
06/29/2011	6	6691156	6691156	19756	2.29	9.6	0.00	200.11	1, 3, 10
07/07/2011	8	6695400	6695400	4244	0.37	35.1	0.00	200.11	1, 3, 10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
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Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
07/14/2011	7	6712389	6712389	16989	1.69	35.1	0.00	200.12	1, 3, 10
07/20/2011	6	6726703	6726703	14314	1.66	5.4	0.00	200.12	1, 3, 10
07/27/2011	7	6741265	6741265	14562	1.44	5.4	0.00	200.12	1, 3, 10
08/04/2011	8	6752332	6752332	11067	0.96	6.2	0.00	200.12	1, 3, 10
08/10/2011	6	6767357	6767357	15025	1.74	6.2	0.00	200.12	1, 3, 10
08/15/2011	5	6778701	6778701	11344	1.58	6.2	0.00	200.12	1, 3, 10
08/24/2011	9	6786800	6786800	8099	0.62	4.5	0.00	200.12	1, 3, 10
08/31/2011	7	6797242	6797242	10442	1.04	4.5	0.00	200.12	1, 3, 10
09/16/2011	16	6807313	6807313	10071	0.44	4.0	0.00	200.12	1, 3, 10
09/21/2011	5	6839842	6839842	32529	4.52	4.0	0.00	200.12	1, 3, 10
09/28/2011	7	6868726	6868726	28884	2.87	2.3	0.00	200.12	1, 3, 10
10/03/2011	5	6881280	6881280	12554	1.74	2.3	0.00	200.12	1, 3, 10
10/20/2011	17	6925961	6925961	44681	1.83	6.9	0.00	200.13	1, 3, 10
10/27/2011	7	6947281	6947281	21320	2.12	4.8	0.00	200.13	1, 3, 10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

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Table 5
Groundwater Extraction System Performance
Shell Service Station #137675 - Onsite
15541 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
11/03/2011	7	6967300	6967300	20019	1.99	4.8	0.00	200.13	1, 3, 10
11/09/2011	6	6985922	6985922	18622	2.16	4.1	0.00	200.13	1, 3, 10
11/16/2011	7	7005126	7005126	19204	1.91	4.1	0.00	200.13	1, 3, 10
11/23/2011	7	7023700	7023700	18574	1.84	4.1	0.00	200.13	1, 3, 10
11/30/2011	7	7043969	7043969	20269	2.01	3.6	0.00	200.13	1, 3, 10
12/09/2011	9	7070493	7070493	26524	2.05	3.6	0.00	200.13	1, 3, 10
12/14/2011	5	7088926	7088926	18433	2.56	3.9	0.00	200.13	1, 3, 10
12/21/2011	7	7101816	7101816	12890	1.28	3.3	0.00	200.13	1, 3, 10
12/28/2011	7	7121160	7121160	19344	1.92	3.3	0.00	200.13	1, 3, 10
01/03/2012	6	7138259	7138259	17099	1.98	3.3	0.00	200.14	1, 3, 10
01/10/2012	7	7158114	7158114	19855	1.97	2.8	0.00	200.14	1, 3, 10
02/02/2012 - SYSTEM SHUT DOWN - FINAL READING	23	7224700	7224700	66586	2.01	4.0	0.00	200.14	1, 3, 10

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * $2.208*10^{-9}$

NC - Not Collected

Table 6
Offsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15600 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Offsite Influent								
12/02/2010	7.08	ND (1)	ND (1)	2.35	9.43	2230	1480	NS
12/10/2010	7.57	ND (1)	ND (1)	3.83	11.4	4400	2970	NS
12/16/2010	6.12	ND (1)	ND (1)	3.6	9.72	3190	2950	NS
01/11/2011	7.5	ND (1)	ND (1)	2	9.5	1650	1160	ND (100)
01/25/2011	7.5 J	ND (10)	ND (10)	ND (10)	7.5	3050	3130	ND (100)
02/08/2011	3 J	ND (10)	ND (10)	ND (10)	3	2460	3060	ND (110)
02/23/2011	8.7	ND (5)	ND (5)	1.8 J	10.5	3300	1820	ND (100)
03/07/2011	4.8 J	ND (5)	ND (5)	ND (5)	4.8	2350	2070	ND (100)
03/22/2011	2.1 J	ND (5)	ND (5)	ND (5)	2.1	2800	2390	ND (100)
04/05/2011	2.4 J	ND (10)	ND (10)	ND (10)	2.4	2180	2630	ND (100)
04/18/2011	4.2	ND (1)	ND (1)	1	5.2	2470	1680	ND (110)
05/12/2011	10.5	ND (10)	ND (10)	ND (10)	10.5	3150	3030	ND (100)
05/24/2011	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	2270	1940	ND (110)
06/09/2011	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	2250	2170	ND (100)
06/22/2011	4.8 J	ND (5)	ND (5)	ND (5)	4.8	2930	1760	ND (100)
07/07/2011	6.9 J	ND (10)	ND (10)	ND (10)	6.9	2720	1750	ND (100)
07/20/2011	2.4 J	ND (5)	ND (5)	ND (5)	2.4	2380	2660	ND (100)
08/04/2011	2.3 J	ND (5)	ND (5)	ND (5)	2.3	2790	2720	ND (110)
08/16/2011	3.1 J	ND (10)	ND (10)	ND (10)	3.1	2780	1640	ND (100)
09/21/2011	10.7	ND (1)	ND (1)	0.92 J	11.62	2930	3000	ND (110)
09/28/2011	2 J	ND (5)	ND (5)	ND (5)	2	2280	2560	ND (110)
10/20/2011	4 J	ND (5)	ND (5)	ND (5)	4	2730	2820	ND (110)
10/27/2011	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	2070	2560	ND (110)
11/09/2011	1.9	ND (1)	ND (1)	0.42 J	2.32	1800	1090	ND (120)
12/21/2011	9.1	ND (5)	ND (5)	ND (5)	9.1	2040	2610	ND (110)
01/10/2012	2.6	ND (1)	ND (1)	0.36 J	2.96	1230	1430	ND (110)
01/25/2012	7	ND (2.5)	ND (2.5)	0.92 J	7.92	2640	2610	ND (110)
02/08/2012	3.6	ND (2)	ND (2)	0.74 J	4.34	2120	2080	ND (110)
02/24/2012	3.5 J	ND (10)	ND (10)	ND (10)	3.5	1770	2200	ND (110)
03/20/2012	3.7	ND (1)	ND (1)	0.39 J	4.09	1800	2140	ND (110)
03/30/2012	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)	1520	1620	ND (110)

Notes:
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BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO - Total Petroleum Hydrocarbons - Gasoline Range Organics

ND - Below laboratory detection limit
ND(#) - Not Detected (Reporting Limit)
NS - Not Sampled

Table 6
Offsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15600 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Mid-1								
12/02/2010	ND (1)	ND (1)	ND (1)	1.21	1.21	ND (1)	239	NS
12/10/2010	ND (1)	ND (1)	ND (1)	0.26	0.26	162	115	NS
12/16/2010	ND (1)	ND (1)	ND (1)	1	1	183	157	NS
01/11/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	77.9	ND (200)	227
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	136	248	ND (110)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	91.5	ND (200)	ND (110)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	109	ND (200)	ND (110)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	64.9	ND (200)	ND (110)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	38.5	ND (200)	ND (110)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	140	217	ND (100)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	140	ND (200)	ND (110)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	262	364	ND (100)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	125	206	ND (100)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	36.7	ND (200)	ND (100)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	73.2	ND (200)	ND (100)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	49.8	ND (200)	ND (110)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	52.9	ND (200)	ND (100)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	34.7	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	32.8	ND (200)	ND (110)
09/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	242	312	ND (110)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	235	275	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	273	343	ND (110)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	165	252	ND (110)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	89.5	ND (200)	ND (120)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	846	1100	ND (110)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	50.8	ND (200)	ND (110)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	921	784	ND (110)
02/08/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	501	632	ND (110)
02/24/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	501	778	ND (110)
03/20/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	570	703	ND (110)
03/30/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	494	562	ND (110)

Notes:
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Table 6
Offsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15600 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Mid-2								
12/02/2010	ND (1)	ND (1)	ND (1)	0.27	0.27	ND (1)	ND (100)	NS
12/10/2010	ND (1)	ND (1)	0.47	3.33	3.8	ND (1)	ND (100)	NS
12/16/2010	ND (1)	ND (1)	0.26	2.2	2.46	ND (1)	34	NS
01/11/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.31 J	ND (200)	ND (100)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	6.1	ND (200)	ND (110)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	25.3	ND (200)	ND (100)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	45	ND (200)	ND (110)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	27.4	ND (200)	ND (100)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	72.6	ND (200)	ND (110)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	99.1	ND (200)	ND (110)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	96.2	ND (200)	ND (100)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	90.1	ND (200)	ND (100)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	96.6	ND (200)	ND (100)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	99.4	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	87.4	ND (200)	ND (100)
09/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	64.8	ND (200)	ND (110)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	62.6	ND (200)	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	66.5	ND (200)	ND (110)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	58.2	ND (200)	ND (100)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	65.2	ND (200)	ND (130)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	55.5	ND (200)	ND (110)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	285	384	ND (110)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	352	399	ND (110)
02/08/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	422	521	ND (110)
02/24/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	501	589	ND (110)
03/20/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/30/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)

Notes:
(µg/L) - Micrograms per Liter

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
MTBE - Methyl tert-Butyl Ether
TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
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Table 6
Offsite Groundwater Extraction Analytical Data
Former Shell Service Station #137675
15600 New Hampshire Avenue, Silver Spring, MD

Sample Date	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*Total BTEX (µg/L)*	*MTBE (µg/L)*	*TPH-GRO (µg/L)*	*TPH-DRO (µg/L)*
Mid-3								
12/02/2010	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (100)	NS
12/10/2010	ND (1)	ND (1)	ND (1)	0.72	0.72	ND (1)	ND (100)	NS
12/16/2010	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (100)	NS
01/11/2011	ND (1)	ND (1)	ND (1)	0.38 J	0.38	ND (1)	ND (200)	ND (100)
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
09/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (120)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	0.6 J	ND (200)	ND (110)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
02/08/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	4.3	ND (200)	ND (110)
02/24/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	41.1	ND (200)	ND (110)
03/20/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/30/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)

Notes:
(µg/L) - Micrograms per Liter

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MTBE - Methyl tert-Butyl Ether
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Table 6
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Former Shell Service Station #137675
15600 New Hampshire Avenue, Silver Spring, MD

Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)
Offsite Effluent								
12/02/2010	ND (1)	ND (1)	ND (1)	1.44	1.44	ND (1)	NS	NS
12/10/2010	ND (1)	ND (1)	ND (1)	1.19	1.19	ND (1)	NS	NS
12/16/2010	ND (1)	ND (1)	0.4	4.1	4.5	ND (1)	NS	NS
01/11/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/25/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
02/08/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
02/23/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
03/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/05/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
04/18/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
05/12/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
05/24/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
06/22/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/07/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
07/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
08/04/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
08/16/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (100)
09/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
09/28/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
10/20/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
10/27/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
11/09/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (120)
12/21/2011	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/10/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
01/25/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (120)
02/08/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
02/24/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/20/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)
03/30/2012	ND (1)	ND (1)	ND (1)	ND (1)	ND (4)	ND (1)	ND (200)	ND (110)

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Table 7
Groundwater Extraction System Performance
Shell Service Station #137675 - Offsite
15600 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
12/02/2010 - System Start-up		NC	NC	NC	NC	2230.0	0.00	0.00	19, 20, 21, 22, 23
12/10/2010	8	44700	44700	44700	3.88	4400.0	1.64	1.64	19, 20, 21, 22, 23
12/16/2010	6	87852	87852	43152	4.99	3190.0	1.15	2.79	19, 20, 21, 22, 23
01/05/2011	20	238444	238444	150592	5.23	3190.0	4.00	6.79	19, 20, 21, 22, 23
01/11/2011	6	279900	279900	41456	4.80	1650.0	0.57	7.36	19, 20, 21, 22
01/18/2011	7	280184	280184	284	0.03	1650.0	0.00	7.36	19, 20, 21, 22
01/25/2011	7	319348	319348	39164	3.89	3050.0	1.00	8.36	20, 21, 22
02/01/2011	7	334575	334575	15227	1.51	3050.0	0.39	8.75	
02/07/2011	6	379602	379602	45027	5.21	2460.0	0.92	9.67	20, 21, 22
02/23/2011	16	453158	453158	73556	3.19	3300.0	2.02	11.69	19, 20, 21, 22
03/03/2011	8	471812	471812	18654	1.62	3300.0	0.51	12.21	19, 20, 21, 22
03/07/2011	4	510692	510692	38880	6.75	2350.0	0.76	12.97	19, 20, 21, 22
03/15/2011	8	577165	577165	66473	5.77	2350.0	1.30	14.27	19, 20, 21, 22
03/22/2011	7	650262	650262	73097	7.25	2800.0	1.71	15.98	19, 20, 21, 22, 23
03/29/2011	7	724423	724423	74161	7.36	2800.0	1.73	17.71	19, 20, 21, 22, 23

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * $2.208*10^{-9}$

NC - Not Collected

Table 7
Groundwater Extraction System Performance
Shell Service Station #137675 - Offsite
15600 New Hampshire Avenue, Silver Spring, MD

Date	Days Operational	Totalizer Reading (gal)	Cumulative Groundwater Recovered (gal)	Volume Recovered per Period (gal)	Average Recovery Rate (gpm)	Average Influent MTBE Concentration (ug/L)	MTBE Recovered per Period (lbs)	Cumulative MTBE Recovered (lbs)	Operating Wells
04/05/2011	7	796421	796421	71998	7.14	2180.0	1.31	19.02	20, 21, 22, 23
04/18/2011	13	922965	922965	126544	6.76	2470.0	2.61	21.62	19, 20, 21, 22, 23
04/27/2011 - System down while transfer pump replaced	9	979889	979889	56924	4.39	2470.0	1.17	22.79	
05/06/2011 - System down while transfer pump replaced	0	979889	979889	0	0.00	2470.0	0.00	22.79	
05/12/2011 - Transfer pump replaced; System Restarted	6	982004	982004	2115	0.24	3150.0	0.06	22.85	19, 20, 21, 22, 23
05/24/2011	12	1120163	1120163	138159	8.00	2270.0	2.61	25.46	19, 20, 21, 23
05/31/2011	7	1188444	1188444	68281	6.77	2270.0	1.29	26.75	19, 20, 21, 23
06/15/2011	15	1334785	1334785	146341	6.78	2250.0	2.74	29.50	19, 20, 21, 22
06/23/2011	8	1349322	1349322	14537	1.26	2250.0	0.27	29.77	19, 20, 21, 22
06/29/2011	6	1405455	1405455	56133	6.50	2930.0	1.37	31.14	19, 20, 21, 22, 23
07/07/2011	8	1442836	1442836	37381	3.24	2720.0	0.85	31.99	19, 20, 21, 22, 23
07/14/2011	7	1449197	1449197	6361	0.63	2720.0	0.14	32.13	19, 20, 21, 22, 23
07/20/2011	6	1468492	1468492	19295	2.23	2380.0	0.38	32.52	19, 20, 21, 22, 23
07/27/2011	7	1512135	1512135	43643	4.33	2380.0	0.87	33.38	19, 20, 21, 22, 23
08/04/2011	8	1559199	1559199	47064	4.09	2790.0	1.09	34.48	19, 20, 21, 22, 23

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * $2.208*10^{-9}$

NC - Not Collected

Table 7
Groundwater Extraction System Performance
Shell Service Station #137675 - Offsite
15600 New Hampshire Avenue, Silver Spring, MD

Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
08/10/2011	6	1606175	1606175	46976	5.44	2790.0	1.09	35.57	19, 20, 21, 22, 23
08/15/2011	5	1640415	1640415	34240	4.76	2780.0	0.79	36.36	19, 20, 21, 22, 23
08/24/2011	9	1696502	1696502	56087	4.33	2780.0	1.30	37.66	19, 20, 21, 22, 23
09/21/2011	28	1714648	1714648	18146	0.45	2930.0	0.44	38.10	19, 20, 21, 22, 23
09/28/2011	7	1771136	1771136	56488	5.60	2280.0	1.07	39.18	19, 20, 21, 22, 23
10/03/2011	5	1812642	1812642	41506	5.76	2280.0	0.79	39.97	19, 20, 21, 22, 23
10/20/2011	17	1885889	1885889	73247	2.99	2730.0	1.67	41.63	19, 20, 21, 22, 23
10/27/2011	7	1949936	1949936	64047	6.35	2070.0	1.11	42.74	19, 20, 21, 22, 23
11/03/2011	7	2016024	2016024	66088	6.56	2070.0	1.14	43.88	19, 20, 21, 22, 23
11/09/2011	6	2039505	2039505	23481	2.72	1800.0	0.35	44.23	19, 20, 21, 22, 23
11/16/2011	7	2082869	2082869	43364	4.30	1800.0	0.65	44.88	19, 20, 21, 22, 23
12/21/2011 - System Down - 11/16 - 12/21	35	2083117	2083117	248	0.00	2040.0	0.00	44.89	19, 20, 21, 22, 23
12/28/2011	7	2171369	2171369	88252	8.76	2040.0	1.50	46.39	19, 20, 21, 22, 23
01/03/2012	6	2232661	2232661	61292	7.09	2040.0	1.04	47.43	19, 20, 21, 22, 23
01/10/2012	7	2315580	2315580	82919	8.23	1230.0	0.85	48.28	19, 20, 21, 22, 23

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * 2.208*10^{-9}

NC - Not Collected

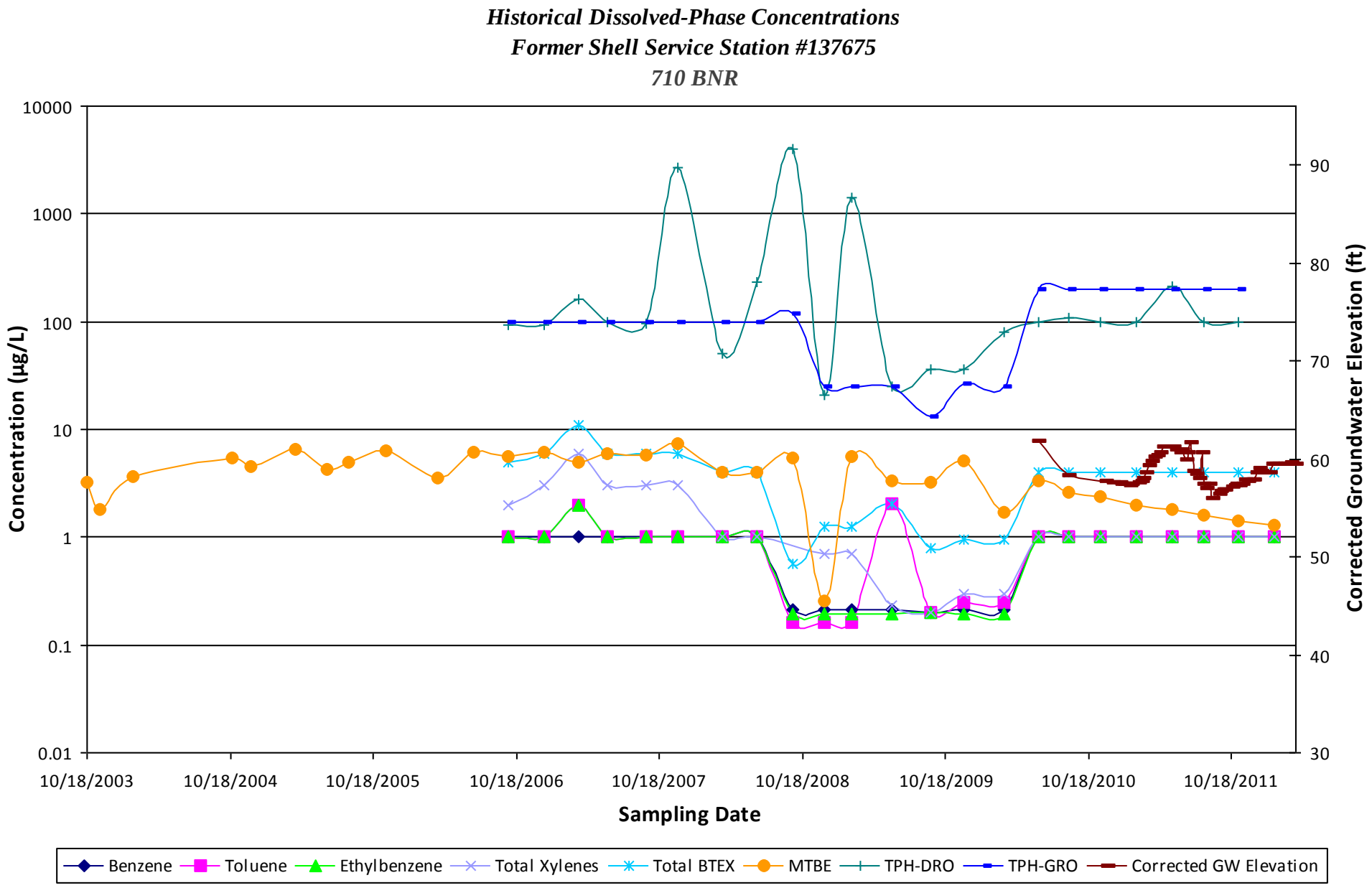
Table 7
Groundwater Extraction System Performance
Shell Service Station #137675 - Offsite
15600 New Hampshire Avenue, Silver Spring, MD

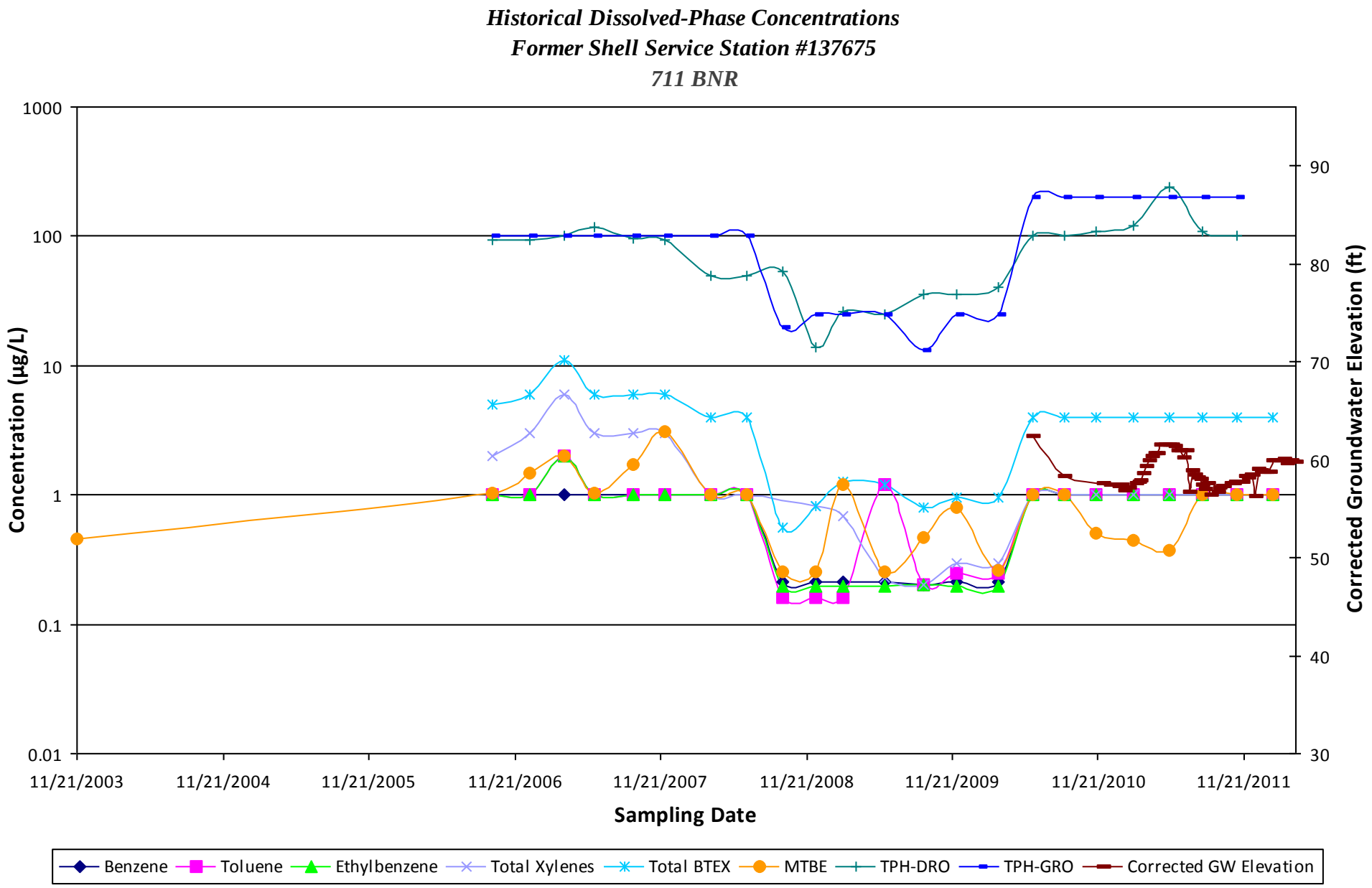
Date	*Days Operational*	*Totalizer Reading (gal)*	*Cumulative Groundwater Recovered (gal)*	*Volume Recovered per Period (gal)*	*Average Recovery Rate (gpm)*	*Average Influent MTBE Concentration (ug/L)*	*MTBE Recovered per Period (lbs)*	*Cumulative MTBE Recovered (lbs)*	*Operating Wells*
01/17/2012	7	2327492	2327492	11912	1.18	1230.0	0.12	48.40	19, 20, 21, 22, 23
01/26/2012	9	2360450	2360450	32958	2.54	2640.0	0.73	49.13	19, 20, 21, 22, 23
01/27/2012	1	2371798	2371798	11348	7.88	2640.0	0.25	49.38	19, 20, 21, 22, 23
01/31/2012	4	2409771	2409771	37973	6.59	2640.0	0.84	50.21	19, 20, 21, 22, 23
02/06/2012	6	2481883	2481883	72112	8.35	2640.0	1.59	51.80	19, 20, 21, 22, 23
02/08/2012	2	2506657	2506657	24774	8.60	2120.0	0.44	52.24	19, 20, 21, 22, 23
02/14/2012	6	2569030	2569030	62373	7.22	2120.0	1.10	53.34	19, 20, 21, 22, 23
02/24/2012	10	2680052	2680052	111022	7.71	1770.0	1.64	54.98	19, 20, 21, 22, 23
03/01/2012	6	2741702	2741702	61650	7.14	1770.0	0.91	55.89	19, 20, 21, 22, 23
03/07/2012	6	2802690	2802690	60988	7.06	1770.0	0.90	56.79	19, 20, 21, 22, 23
03/20/2012	13	2885334	2885334	82644	4.41	1800.0	1.24	58.03	19, 20, 21, 22, 23

Notes:
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
gal - Gallons
gpm - Gallons per minute
ug/L - Micrograms per Liter
lbs - Pounds
Average Flow Rate = Total Flow (gal) / Days of Operation / 1440 (min/day)
Hydrocarbons Recovered per Period (lbs) = Total Flow (gal) * 3.775 * BTEX * $2.208*10^{-9}$

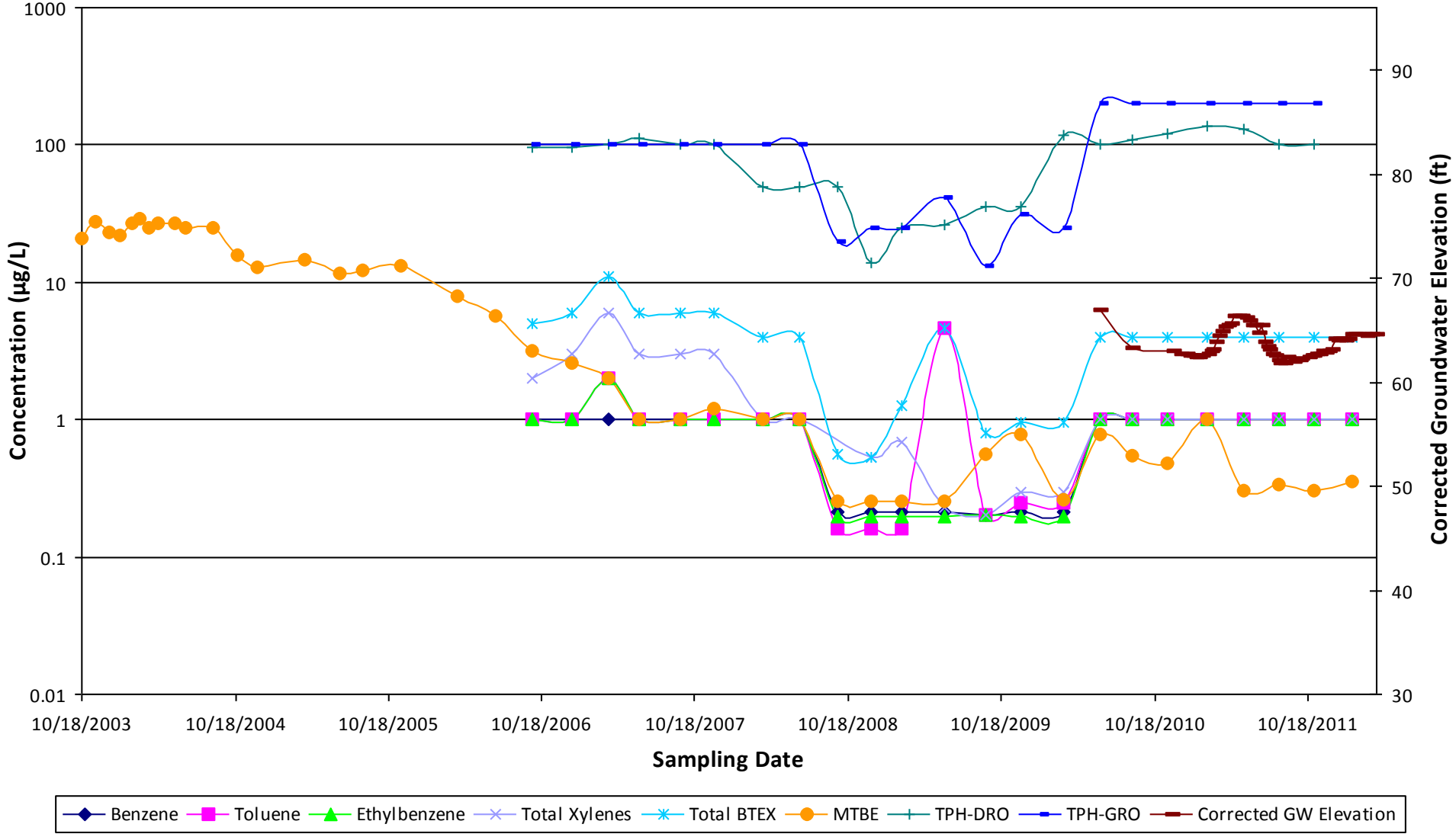
NC - Not Collected

Appendix A
Historical Dissolved-Phase Concentrations Graphs

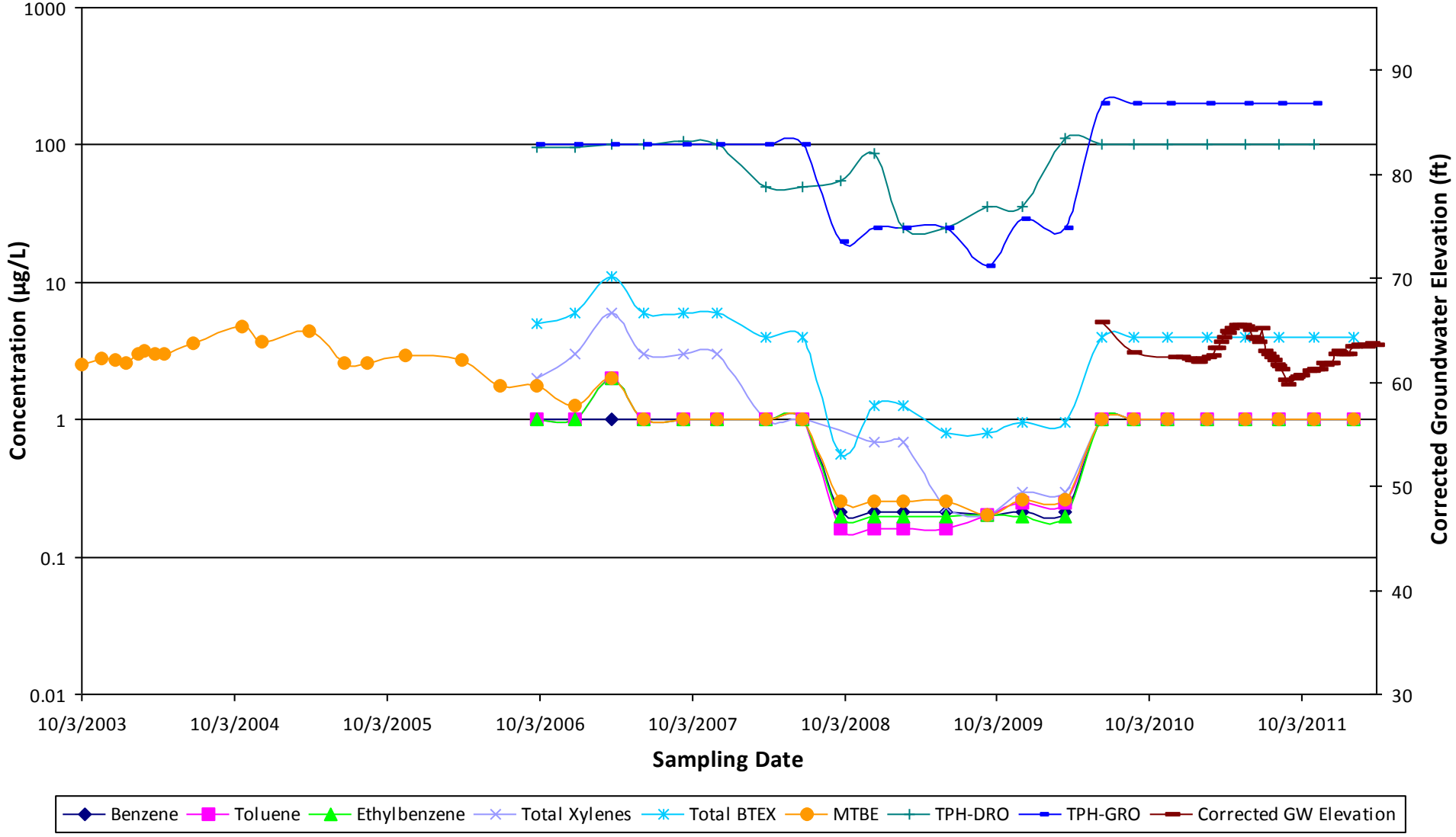

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
710 BNR
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
10/18/2003
10/18/2004
10/18/2005
10/18/2006
10/18/2007
10/18/2008
10/18/2009
10/18/2010
10/18/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

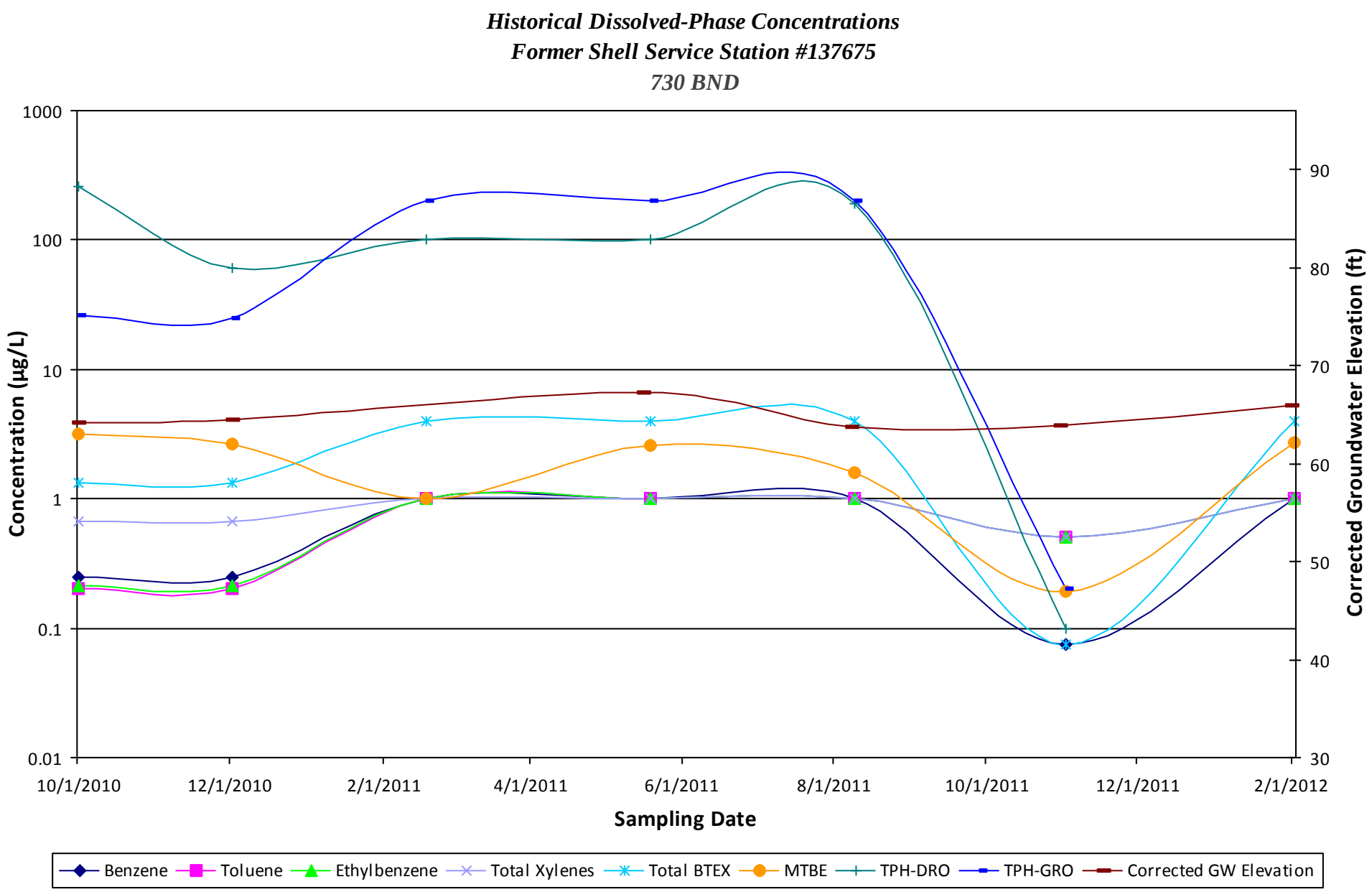

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
711 BNR
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/21/2003
11/21/2004
11/21/2005
11/21/2006
11/21/2007
11/21/2008
11/21/2009
11/21/2010
11/21/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

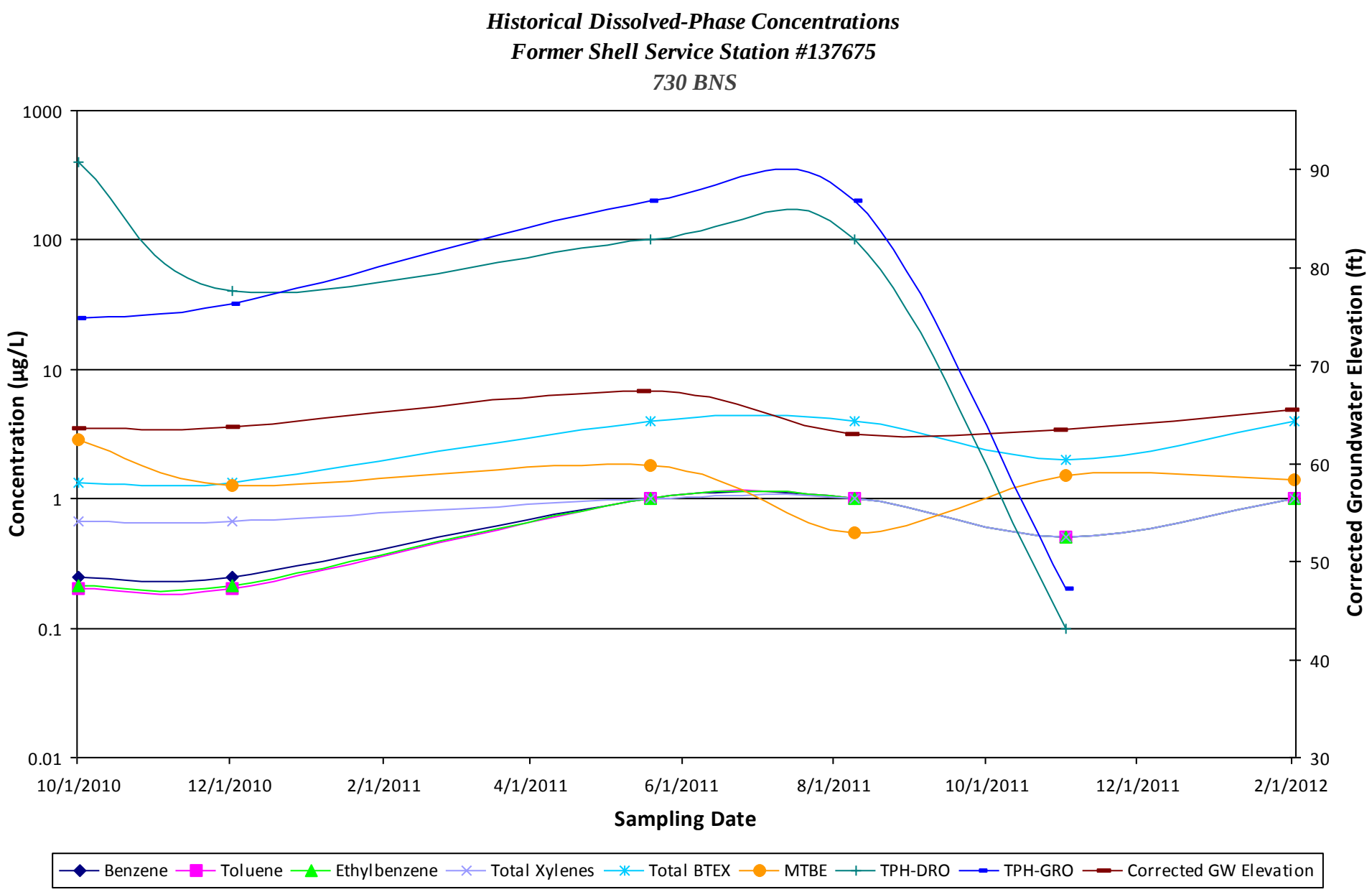
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
720 BNR



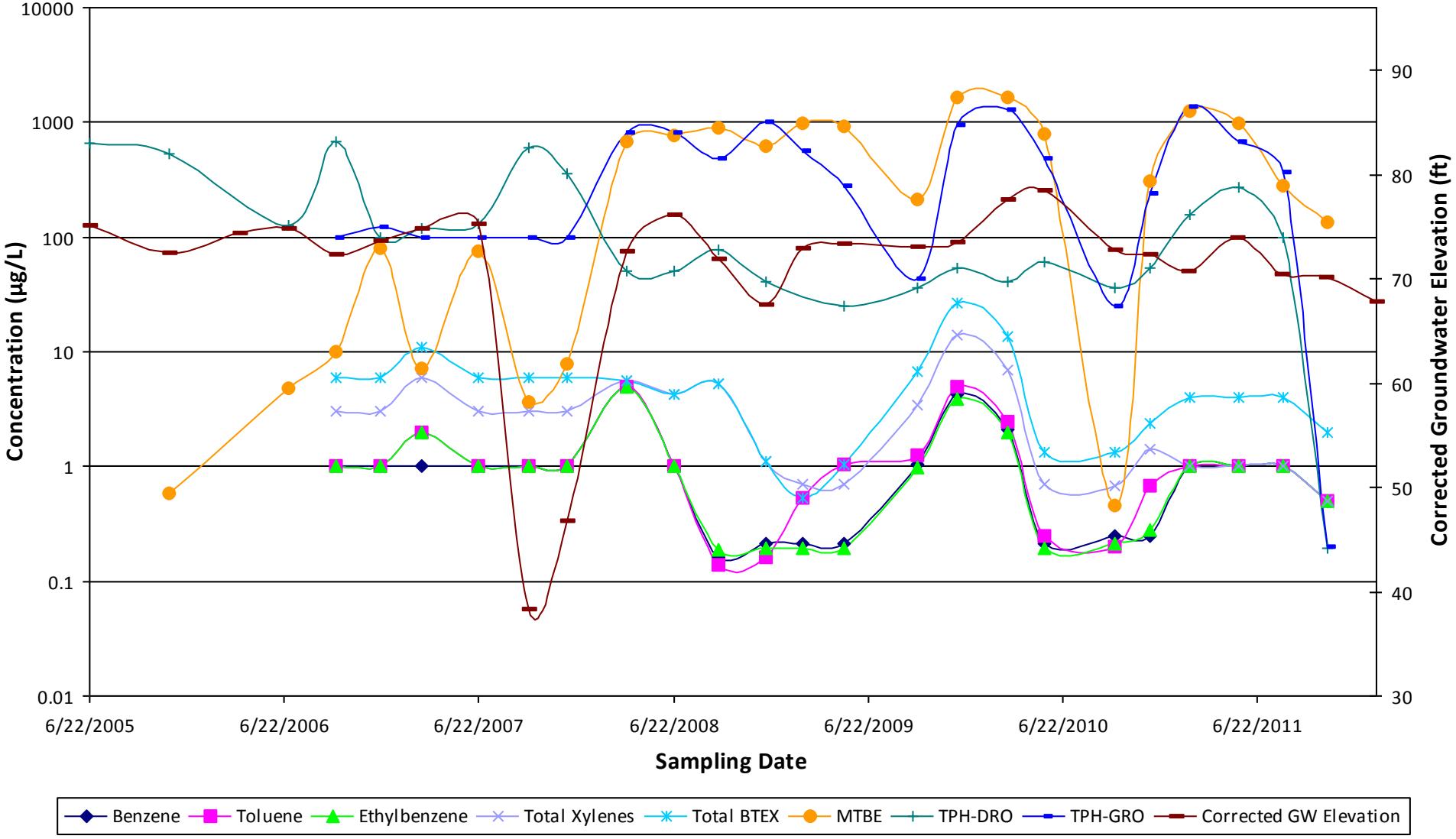
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
721 BNR

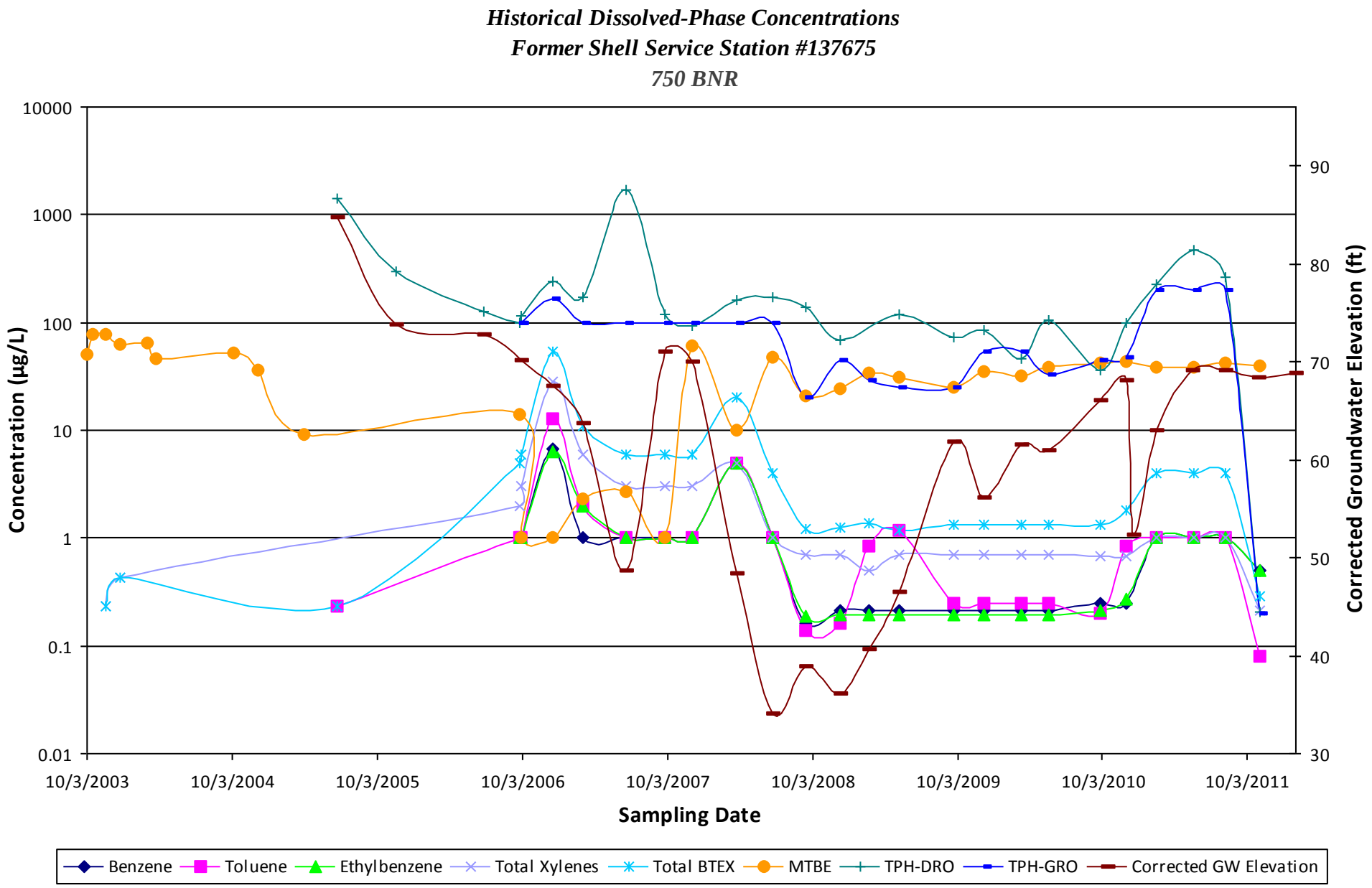


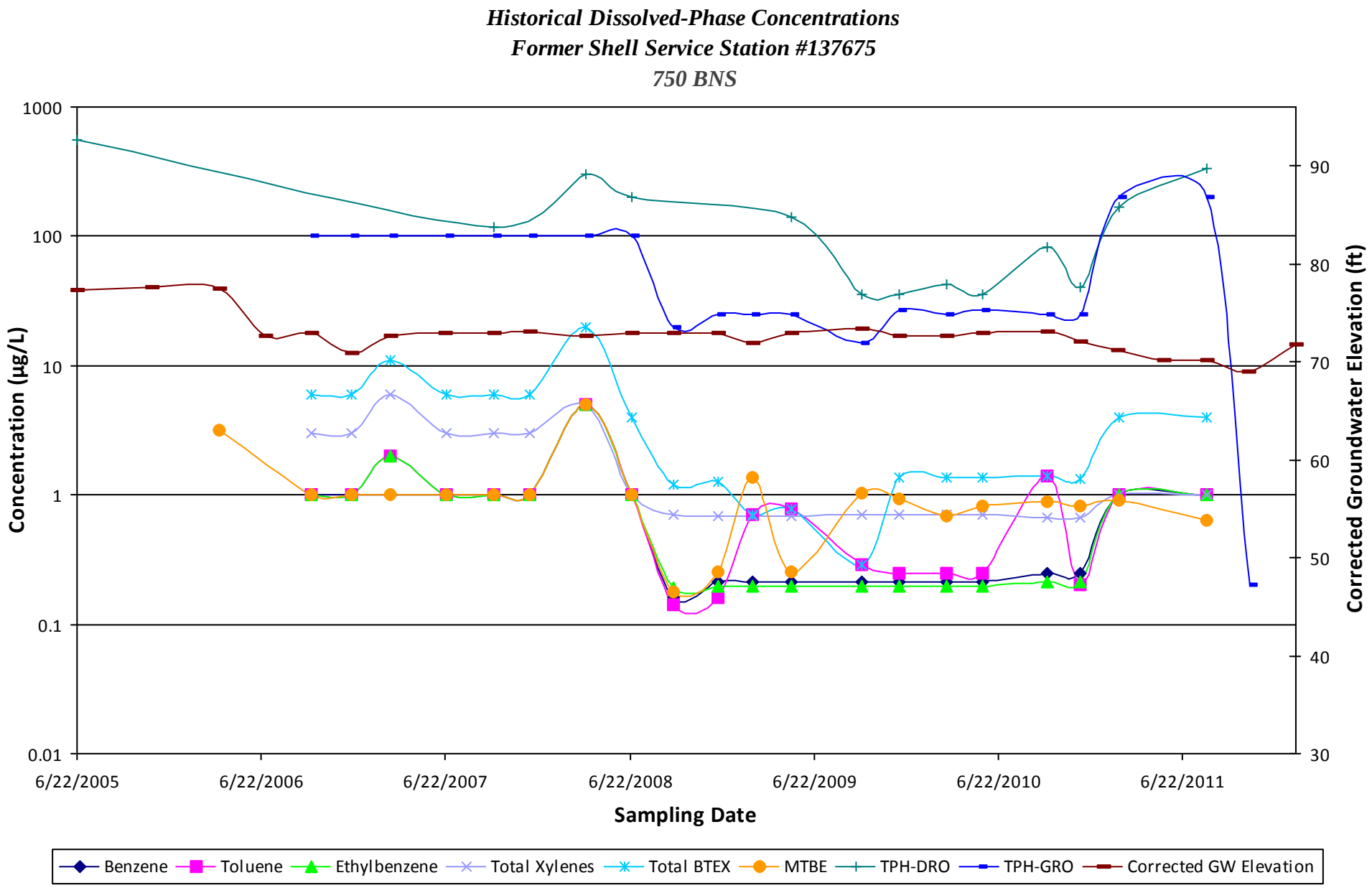

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
730 BND
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
10/1/2010
12/1/2010
2/1/2011
4/1/2011
6/1/2011
8/1/2011
10/1/2011
12/1/2011
2/1/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

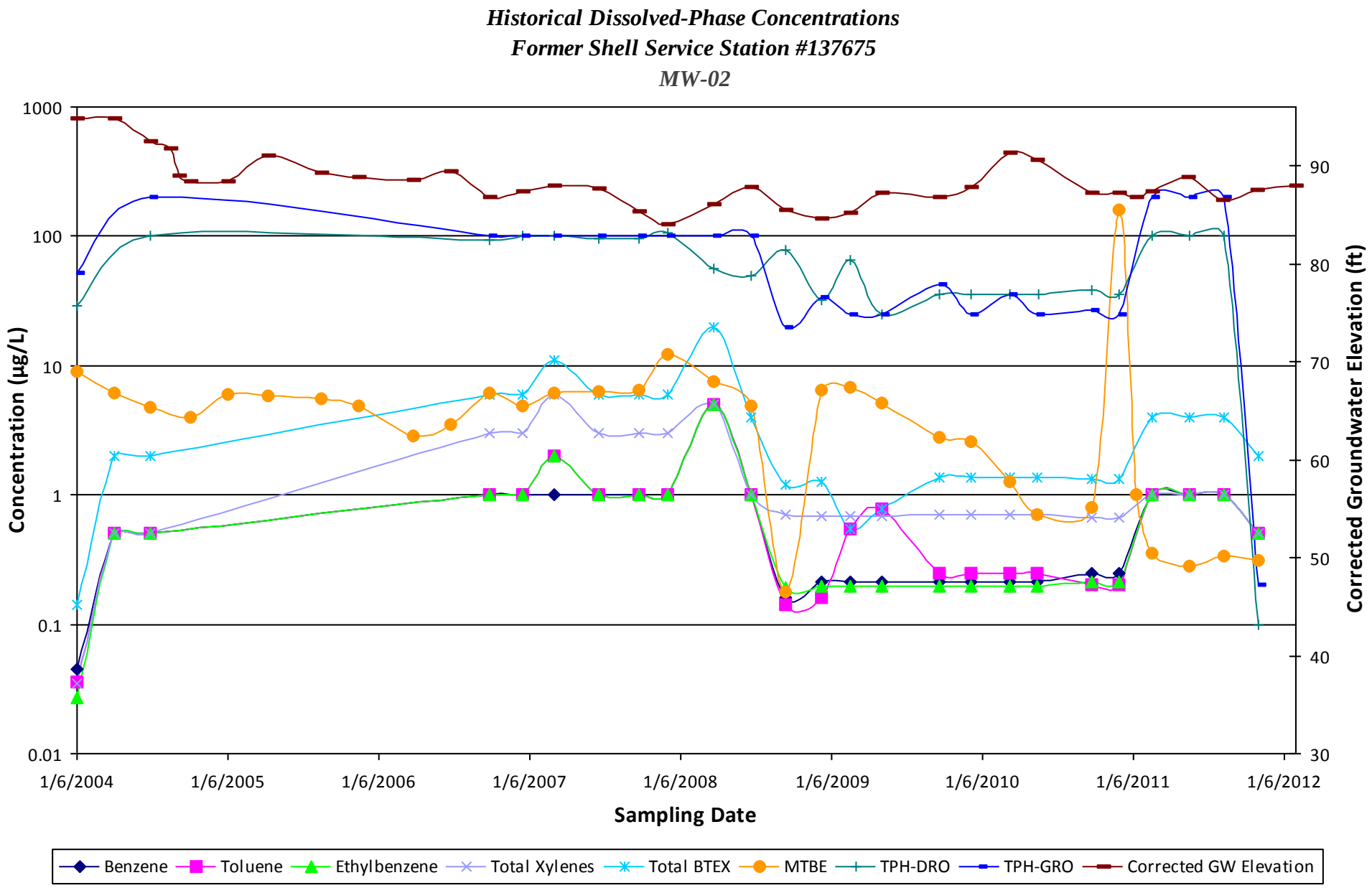

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
730 BNS
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
10/1/2010
12/1/2010
2/1/2011
4/1/2011
6/1/2011
8/1/2011
10/1/2011
12/1/2011
2/1/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

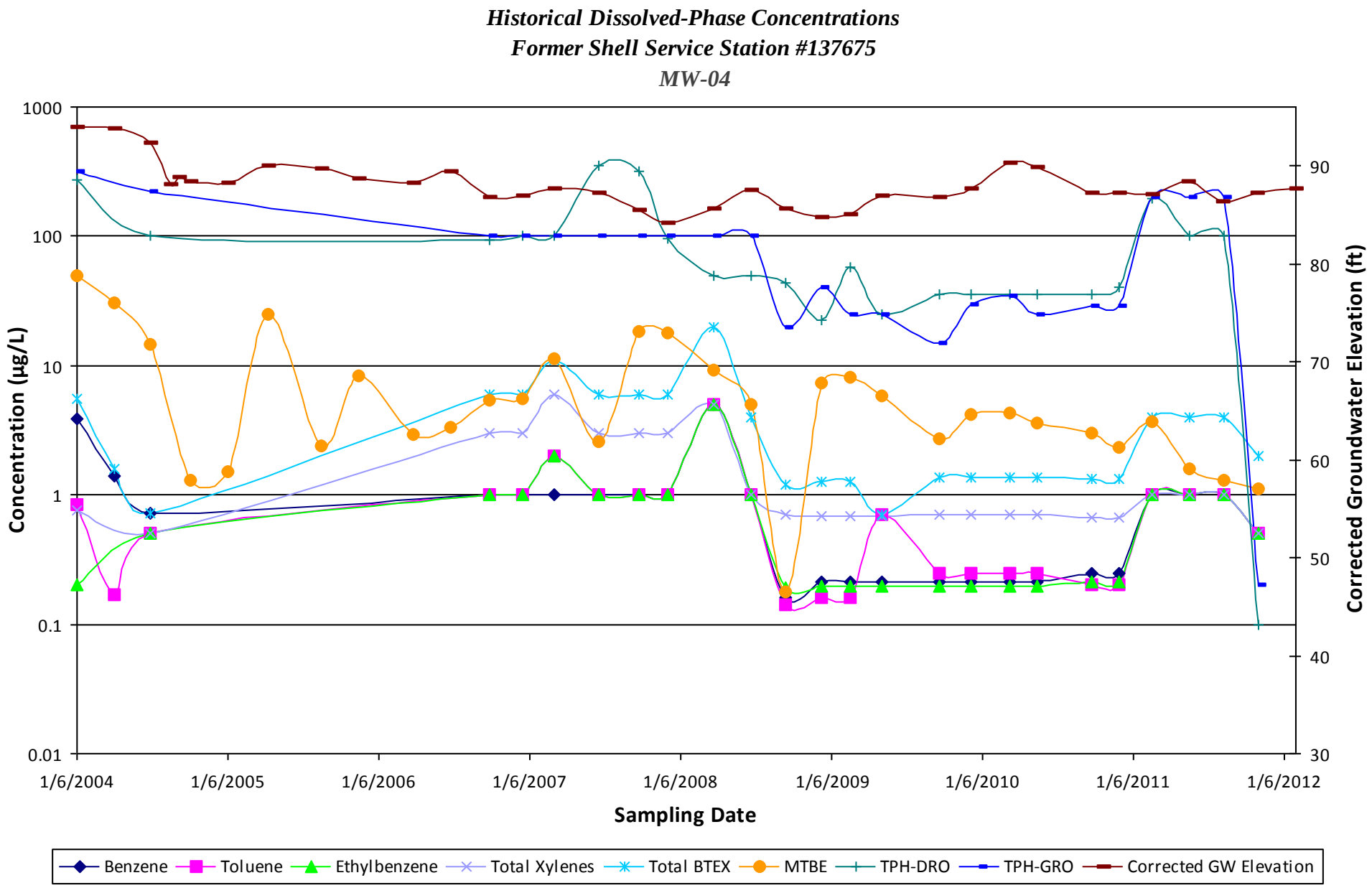
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
750 BND



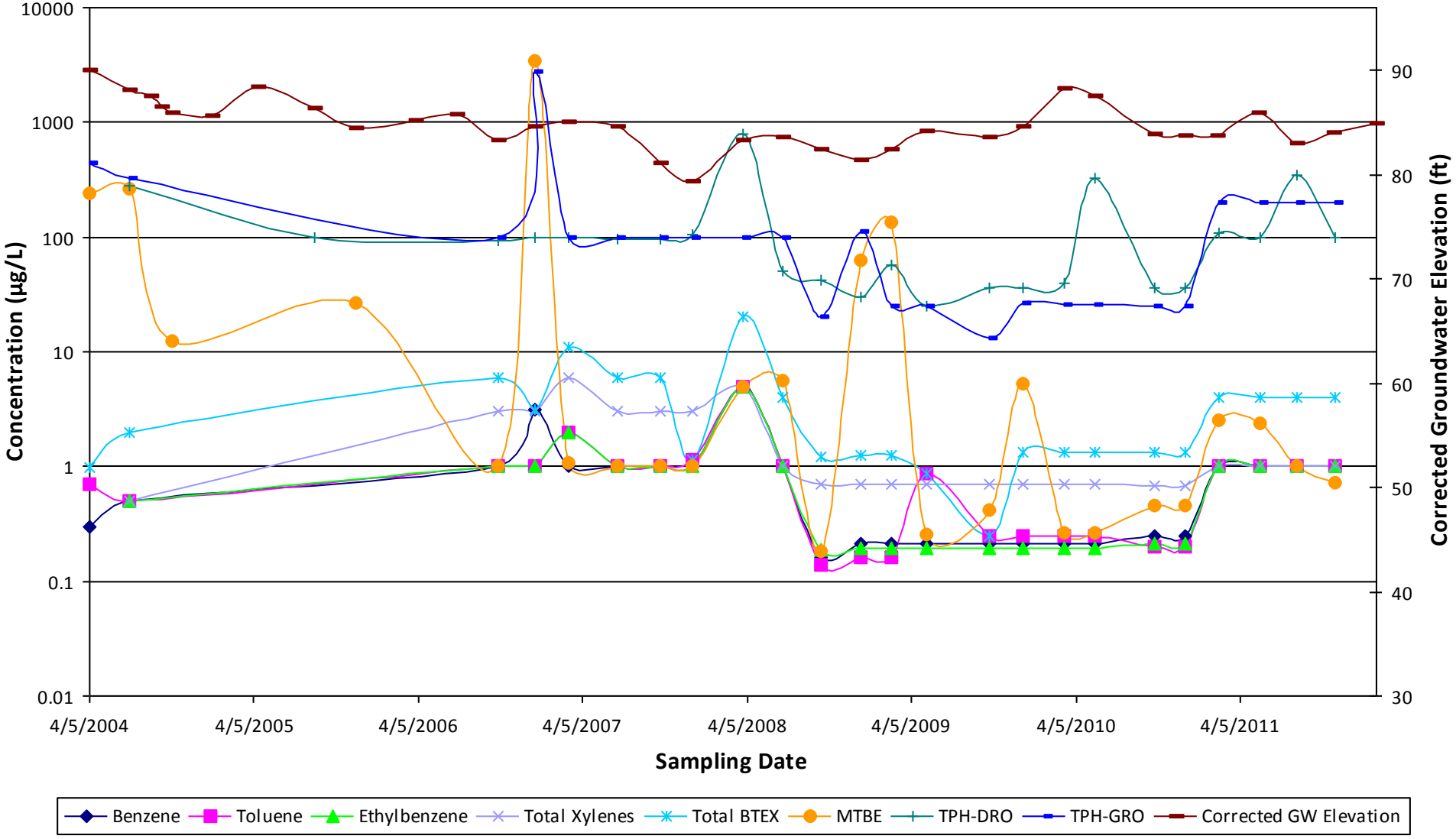

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
750 BNR
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
10/3/2003
10/3/2004
10/3/2005
10/3/2006
10/3/2007
10/3/2008
10/3/2009
10/3/2010
10/3/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
750 BNS
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
6/22/2005
6/22/2006
6/22/2007
6/22/2008
6/22/2009
6/22/2010
6/22/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

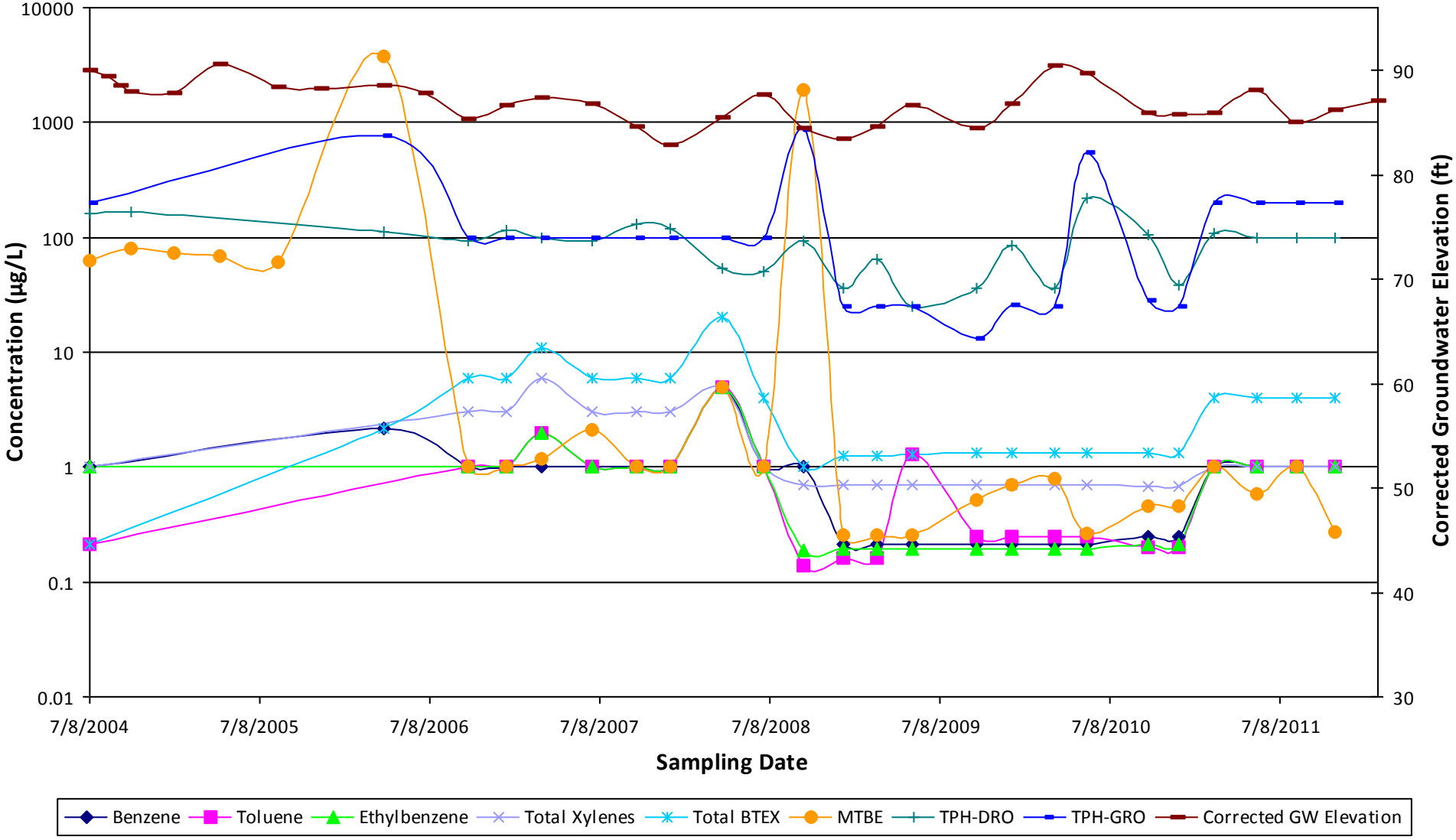

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-02
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
1/6/2004
1/6/2005
1/6/2006
1/6/2007
1/6/2008
1/6/2009
1/6/2010
1/6/2011
1/6/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-04
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
1/6/2004
1/6/2005
1/6/2006
1/6/2007
1/6/2008
1/6/2009
1/6/2010
1/6/2011
1/6/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

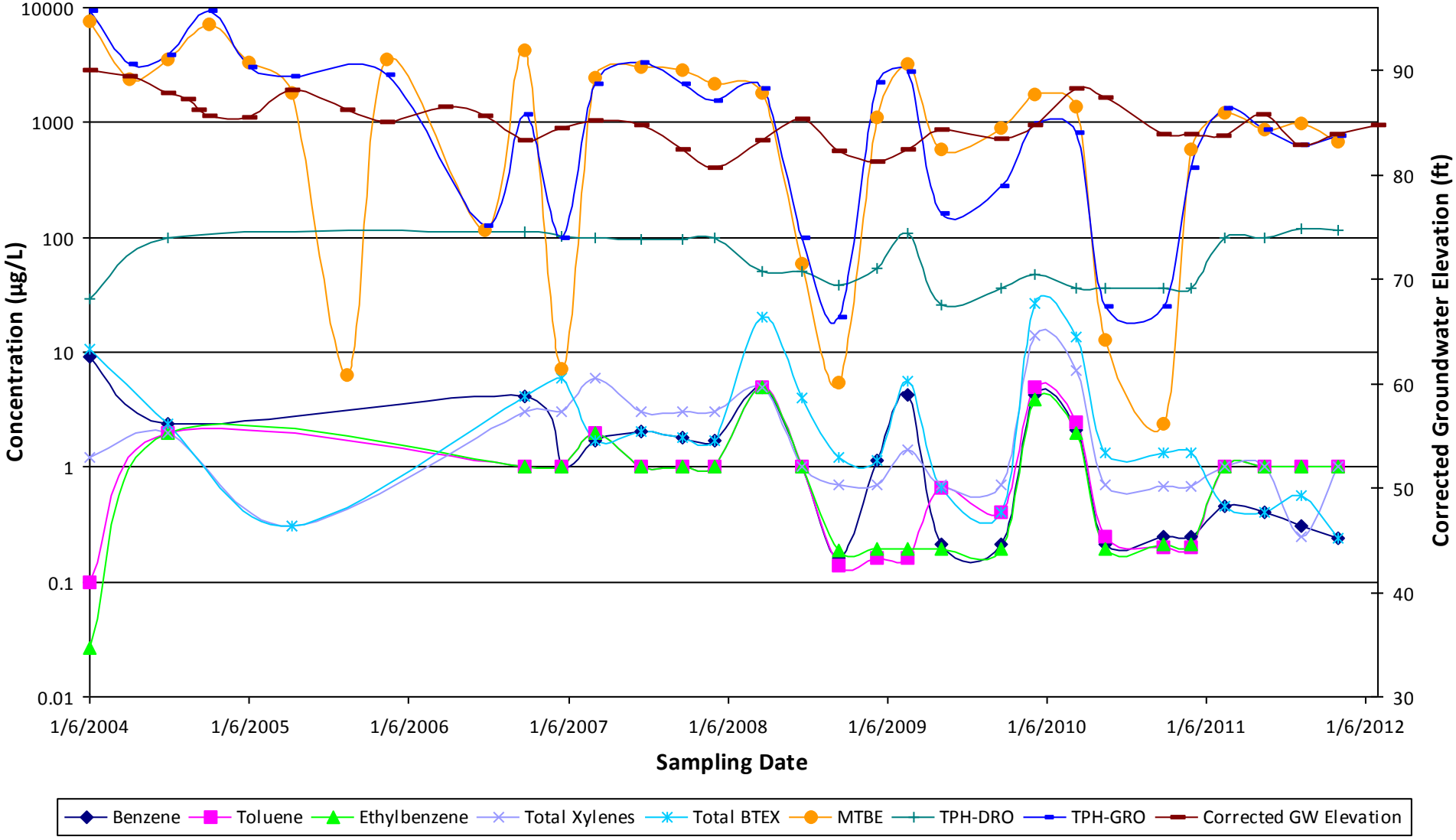
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-05D

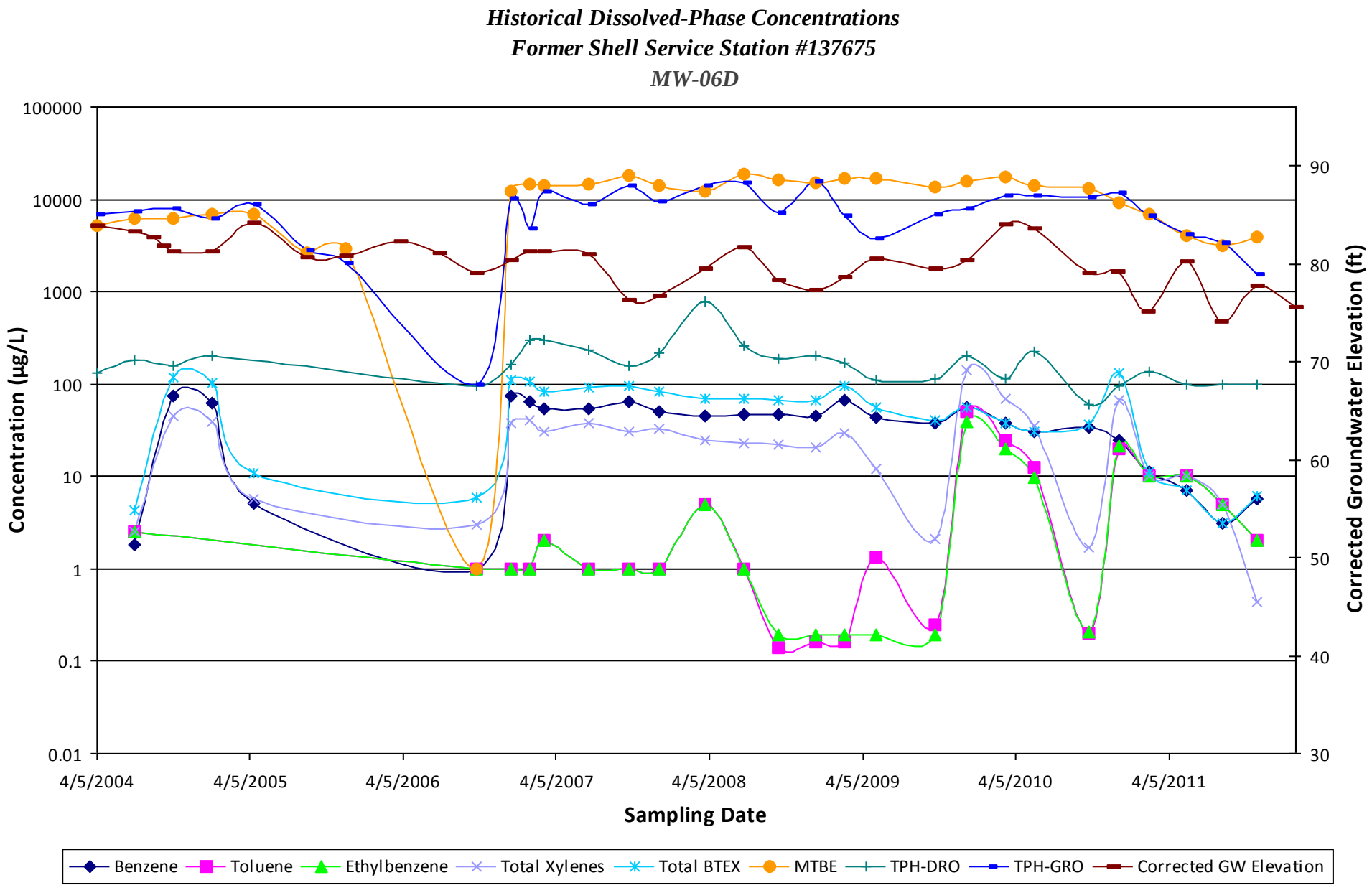


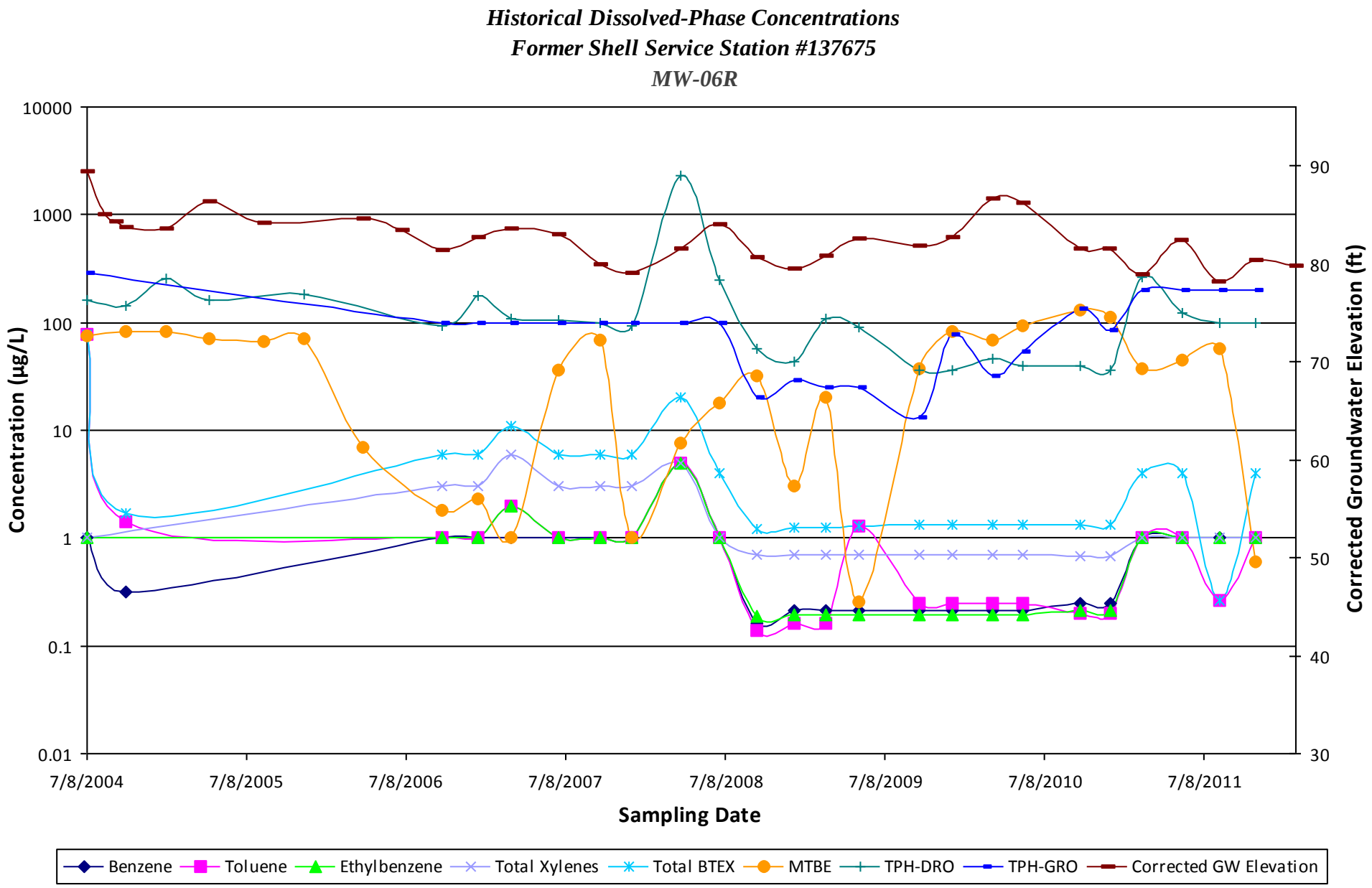
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-05R



Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-05S




Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-06D
Concentration (µg/L)
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
4/5/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-06R
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
7/8/2004
7/8/2005
7/8/2006
7/8/2007
7/8/2008
7/8/2009
7/8/2010
7/8/2011
Sampling Date
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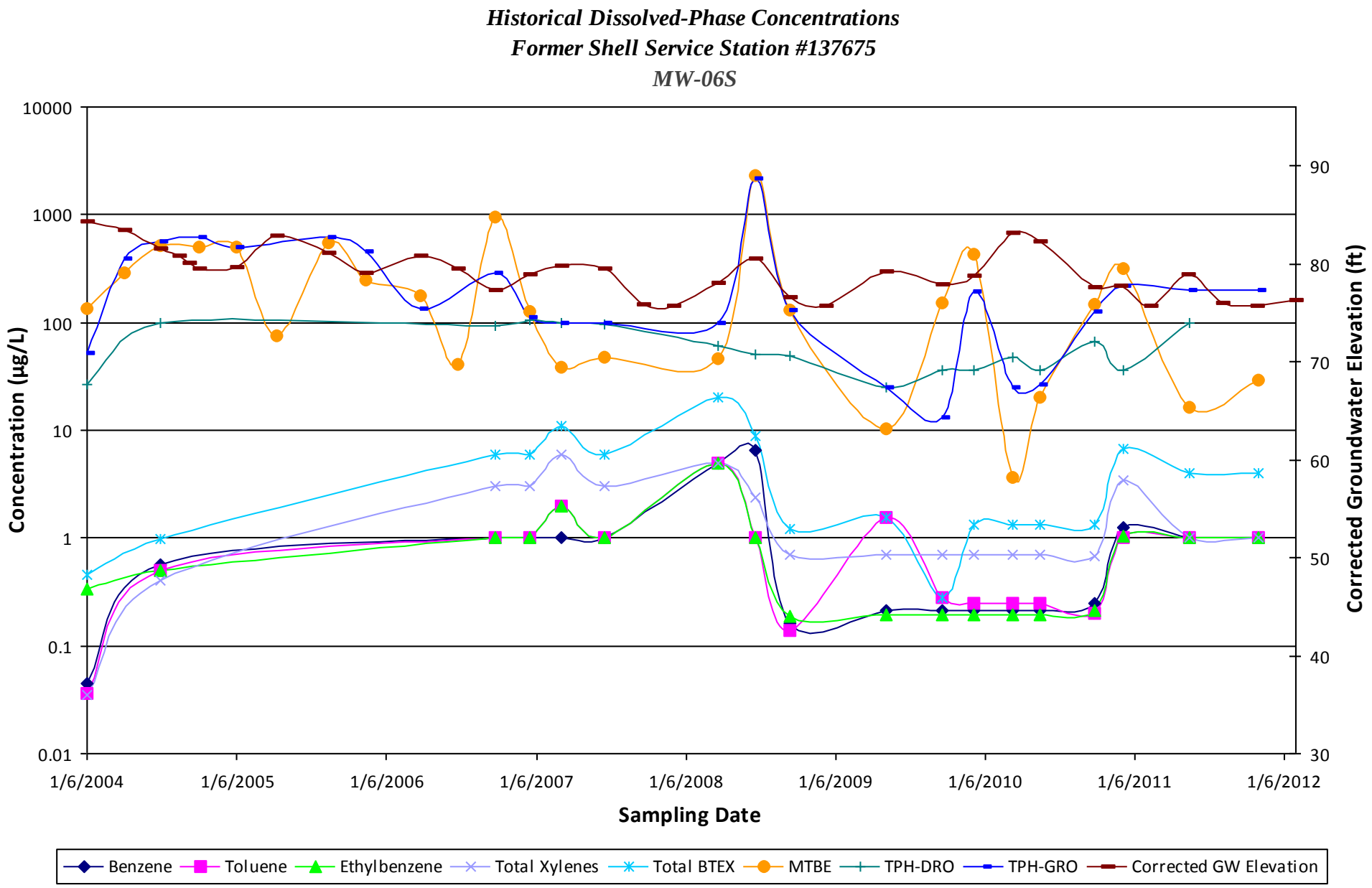
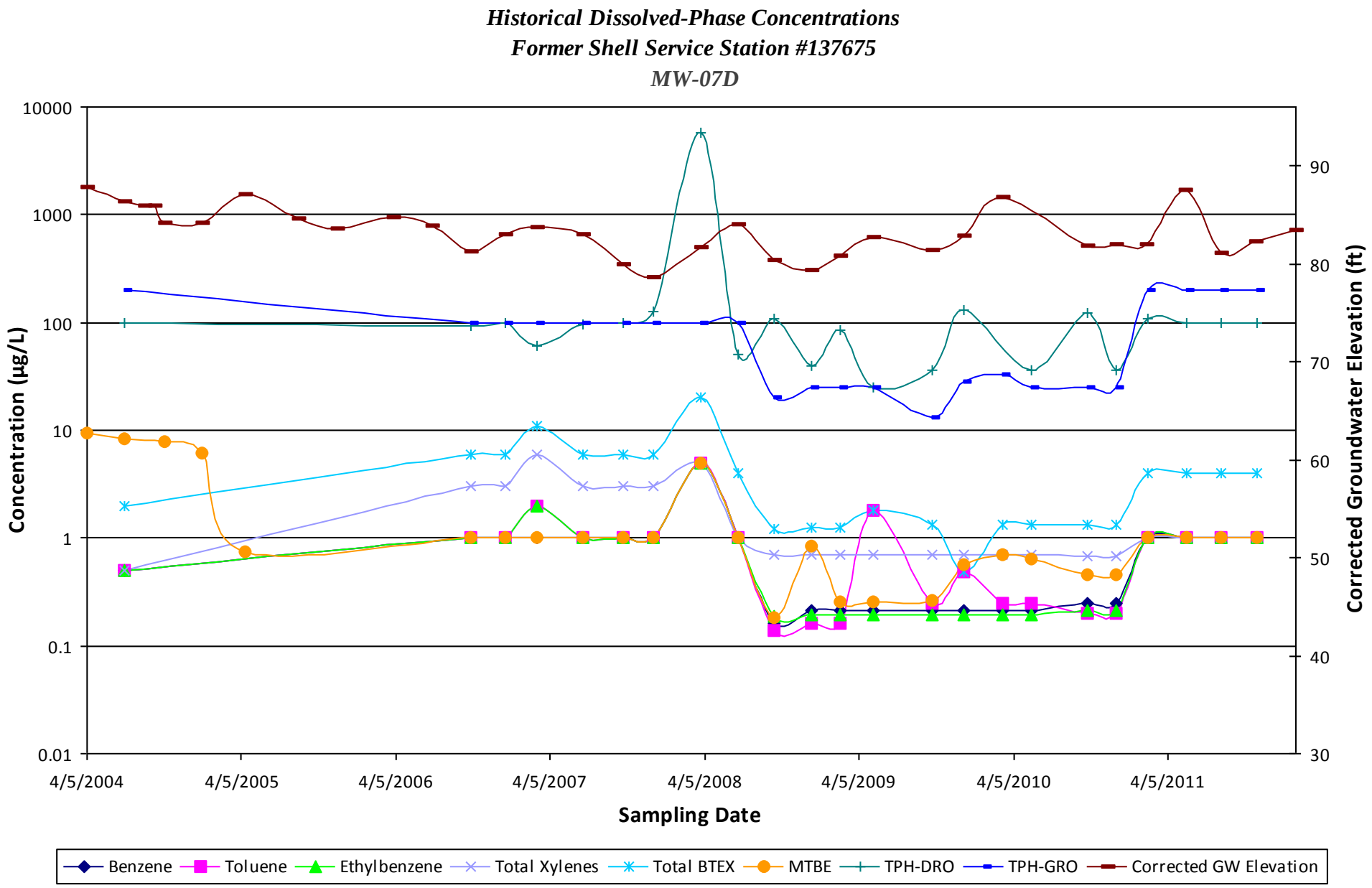
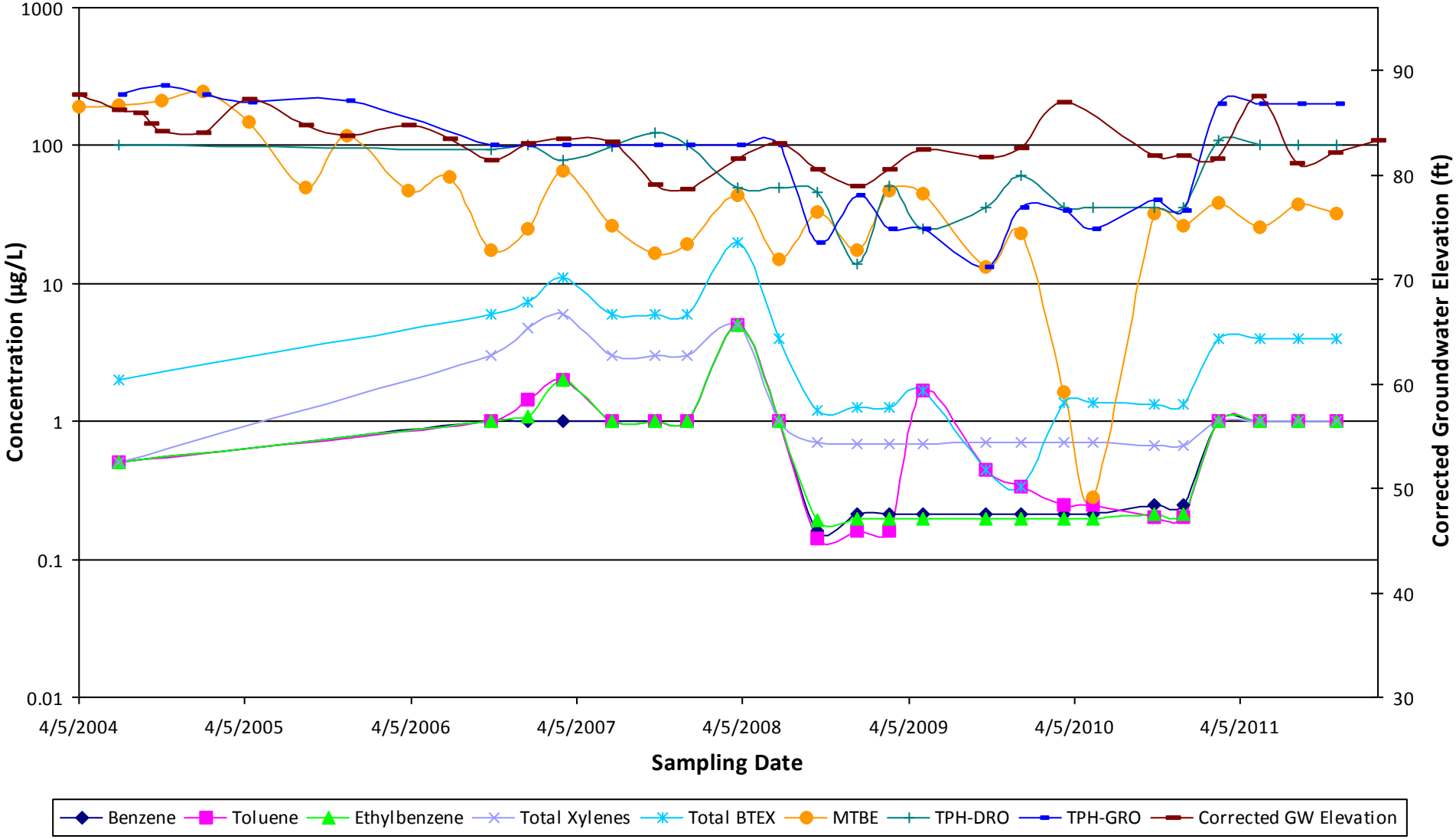
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

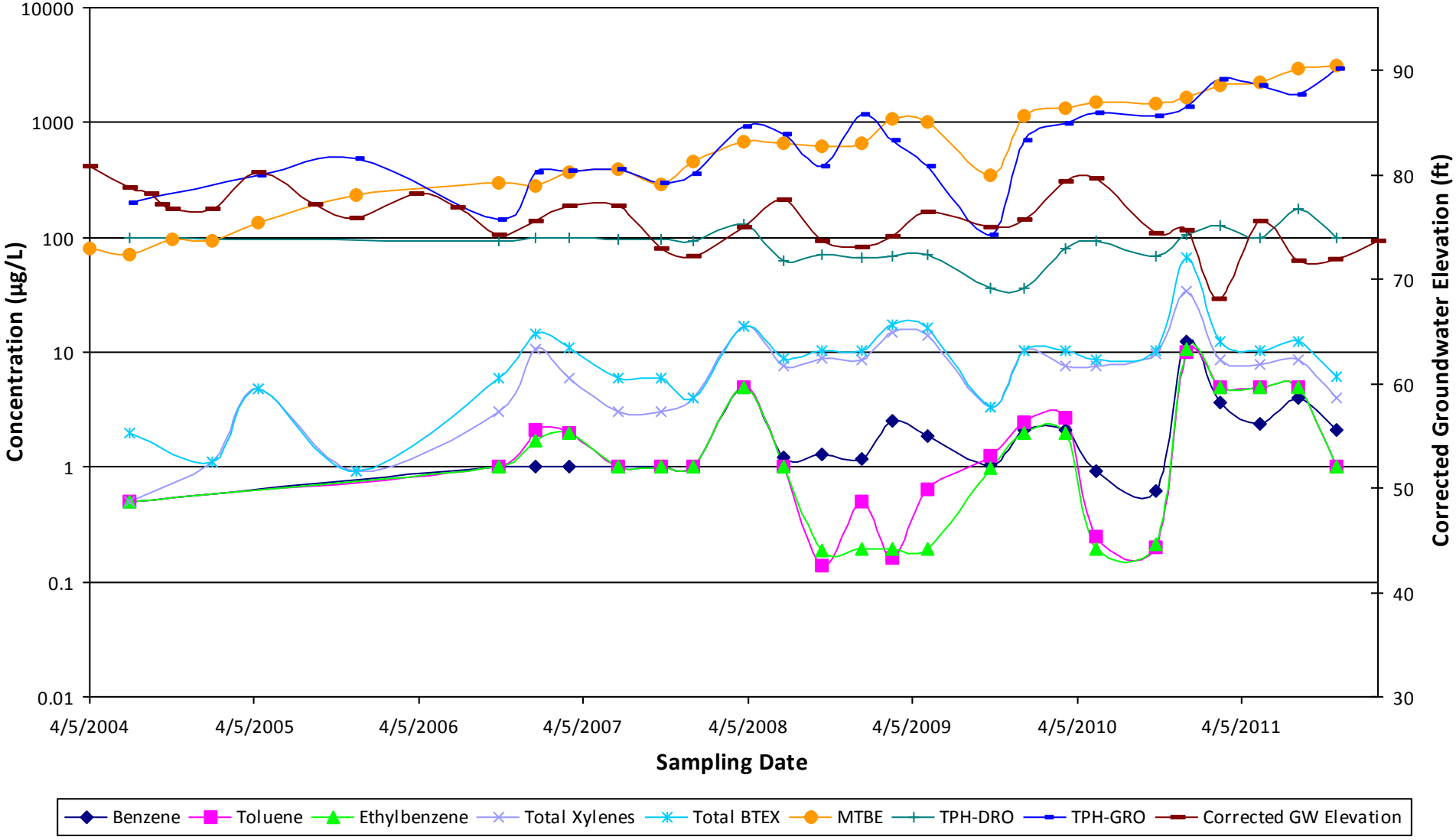

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-06S
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
1/6/2004
1/6/2005
1/6/2006
1/6/2007
1/6/2008
1/6/2009
1/6/2010
1/6/2011
1/6/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-07D
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
4/5/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

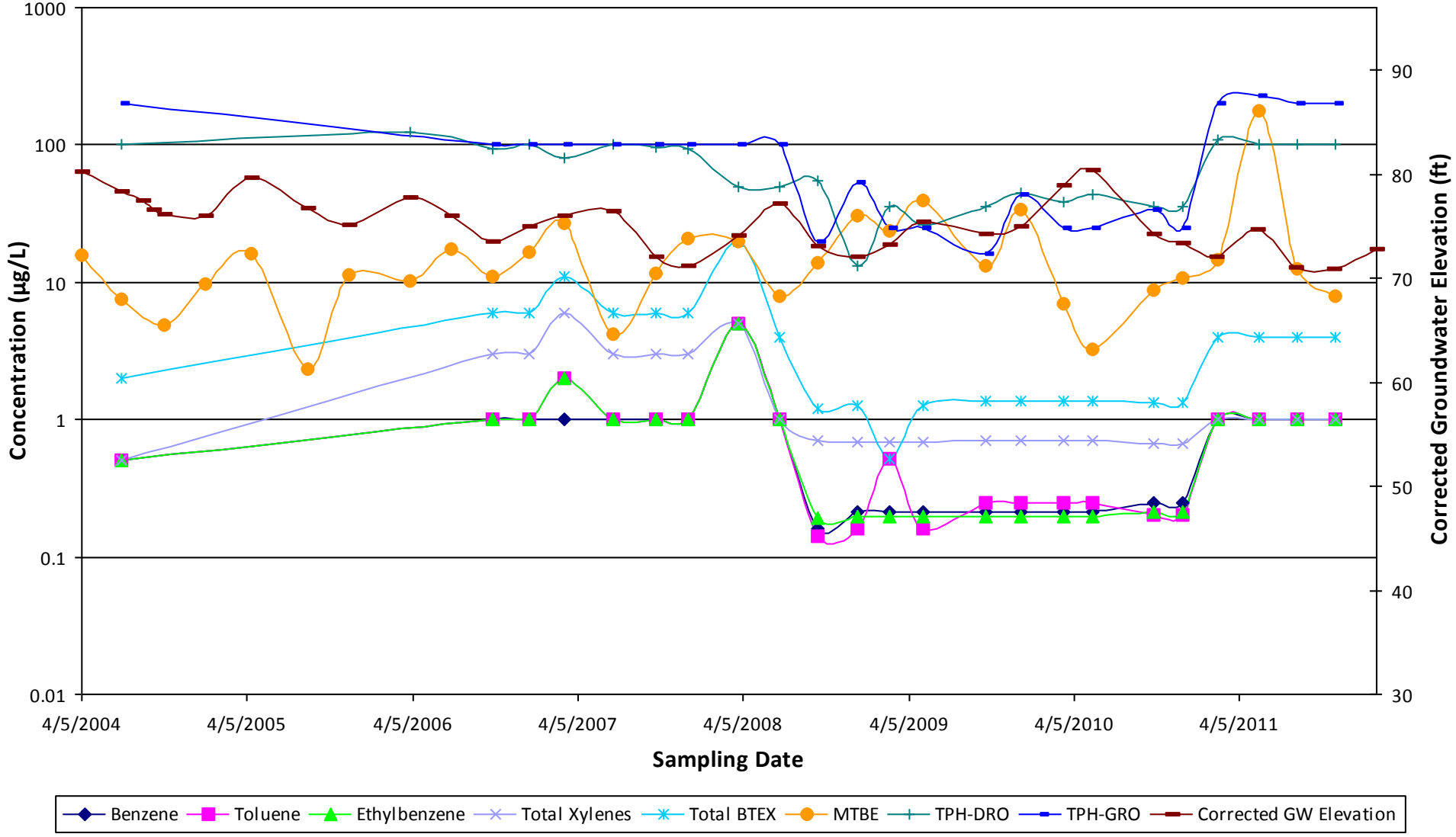
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-07S

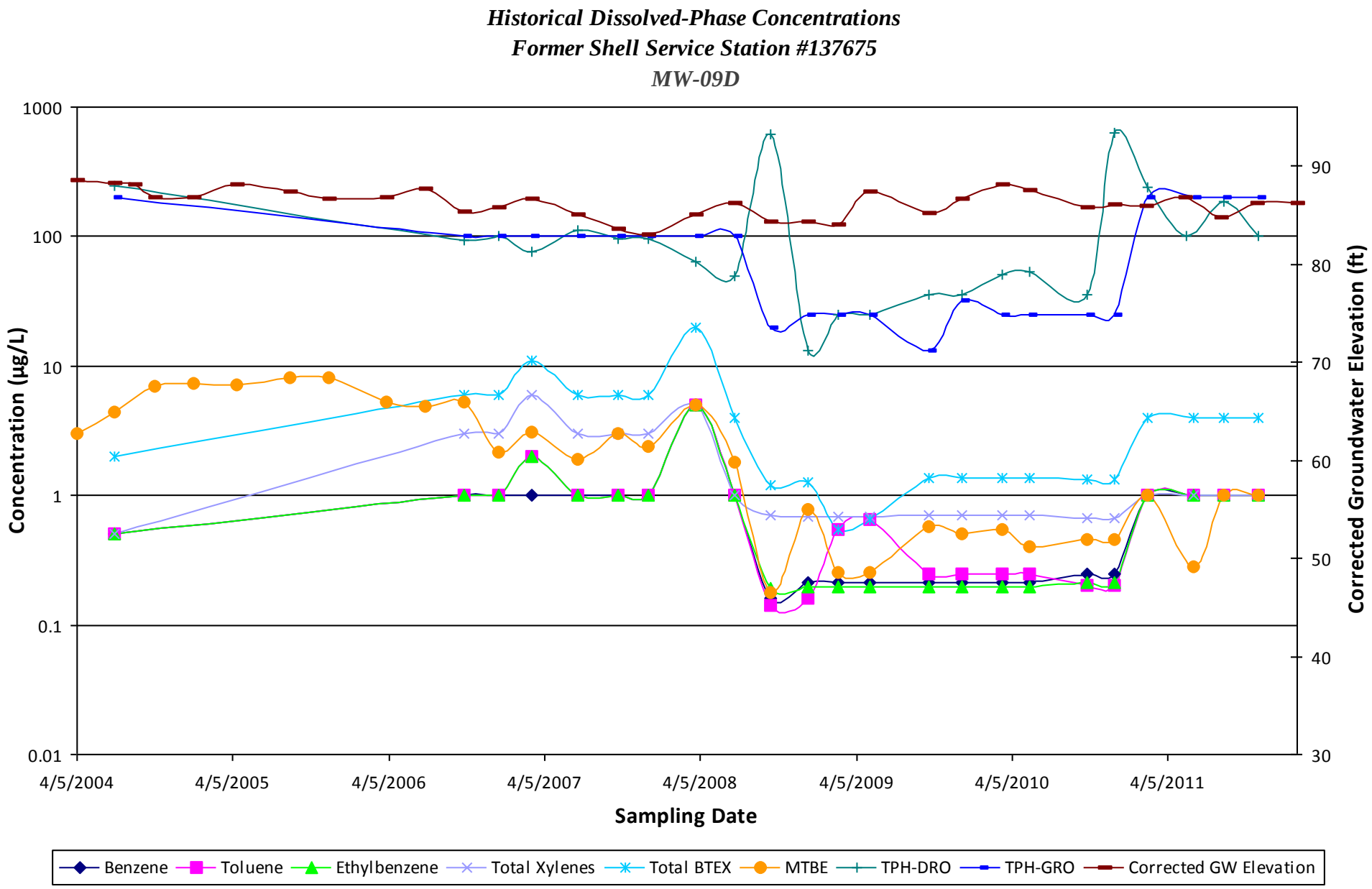


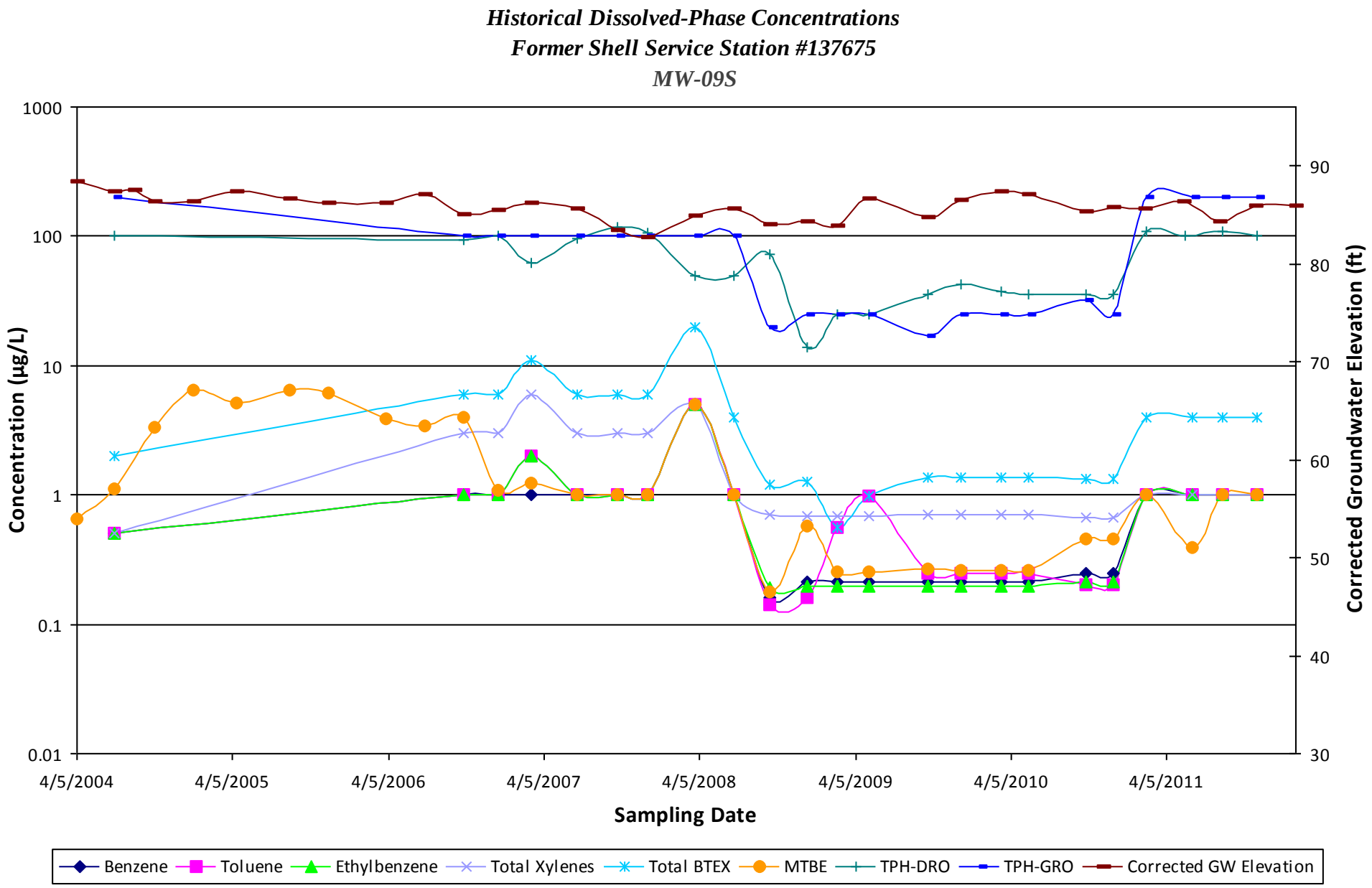
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-08D

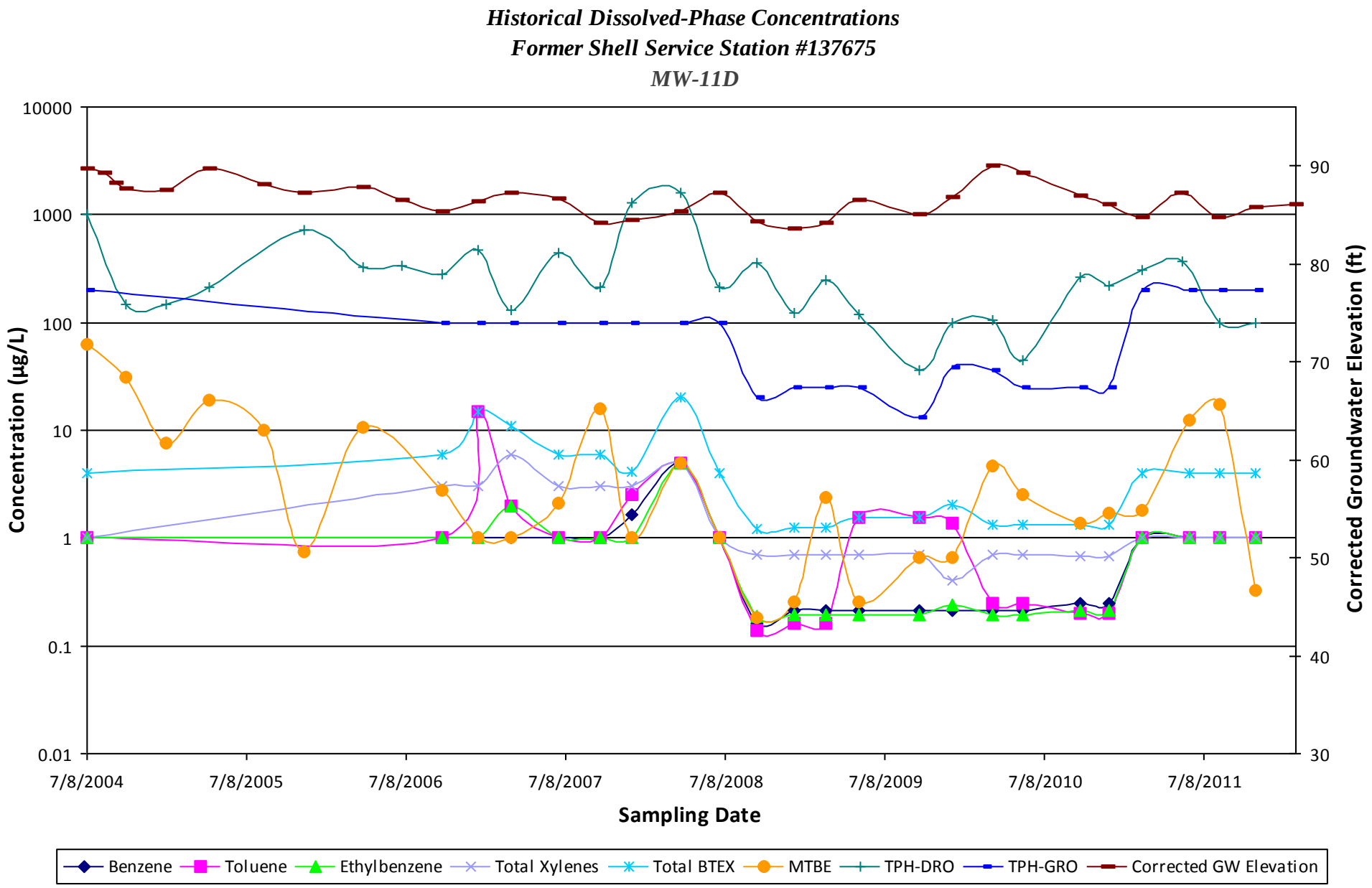


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-08S

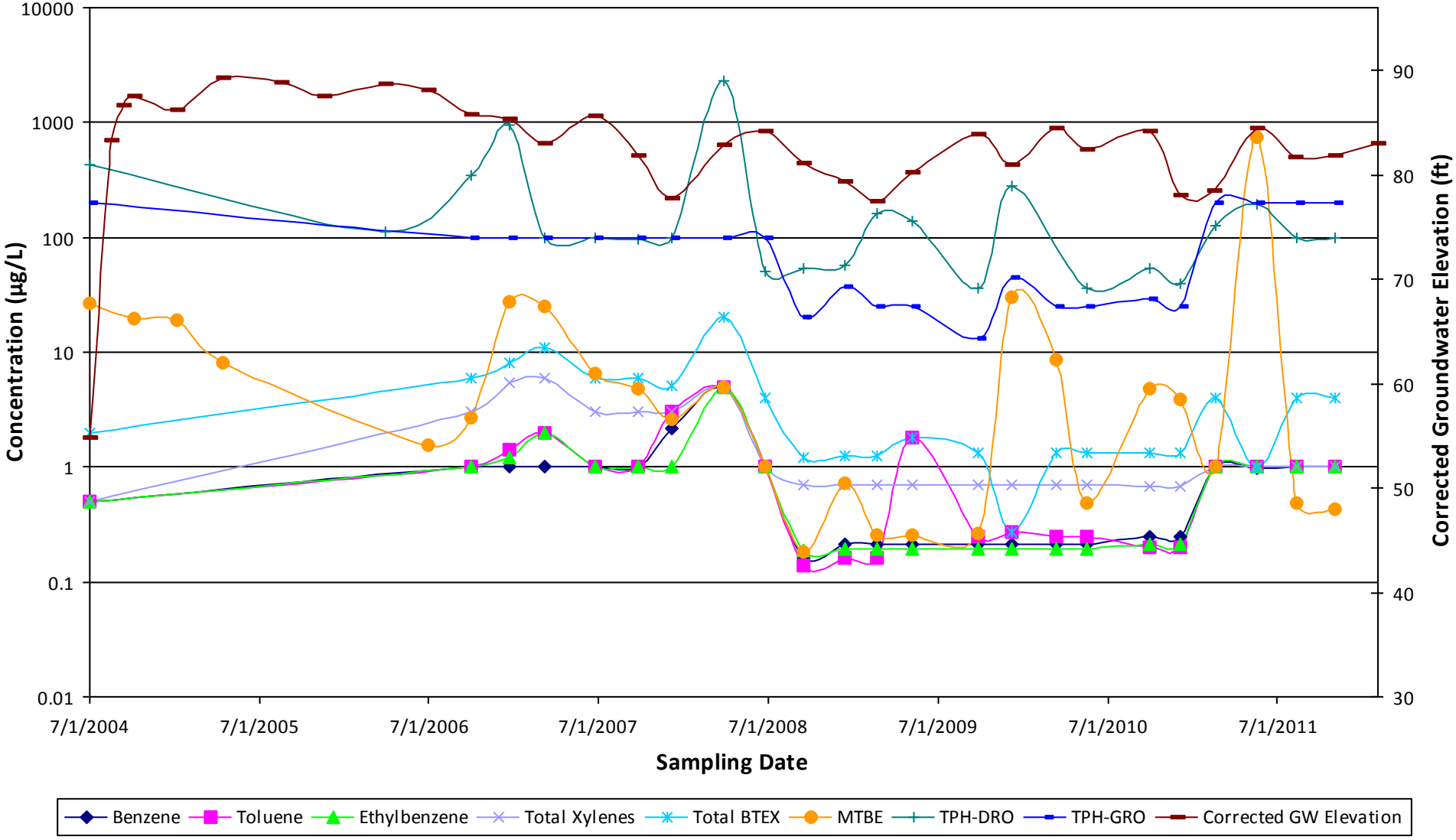


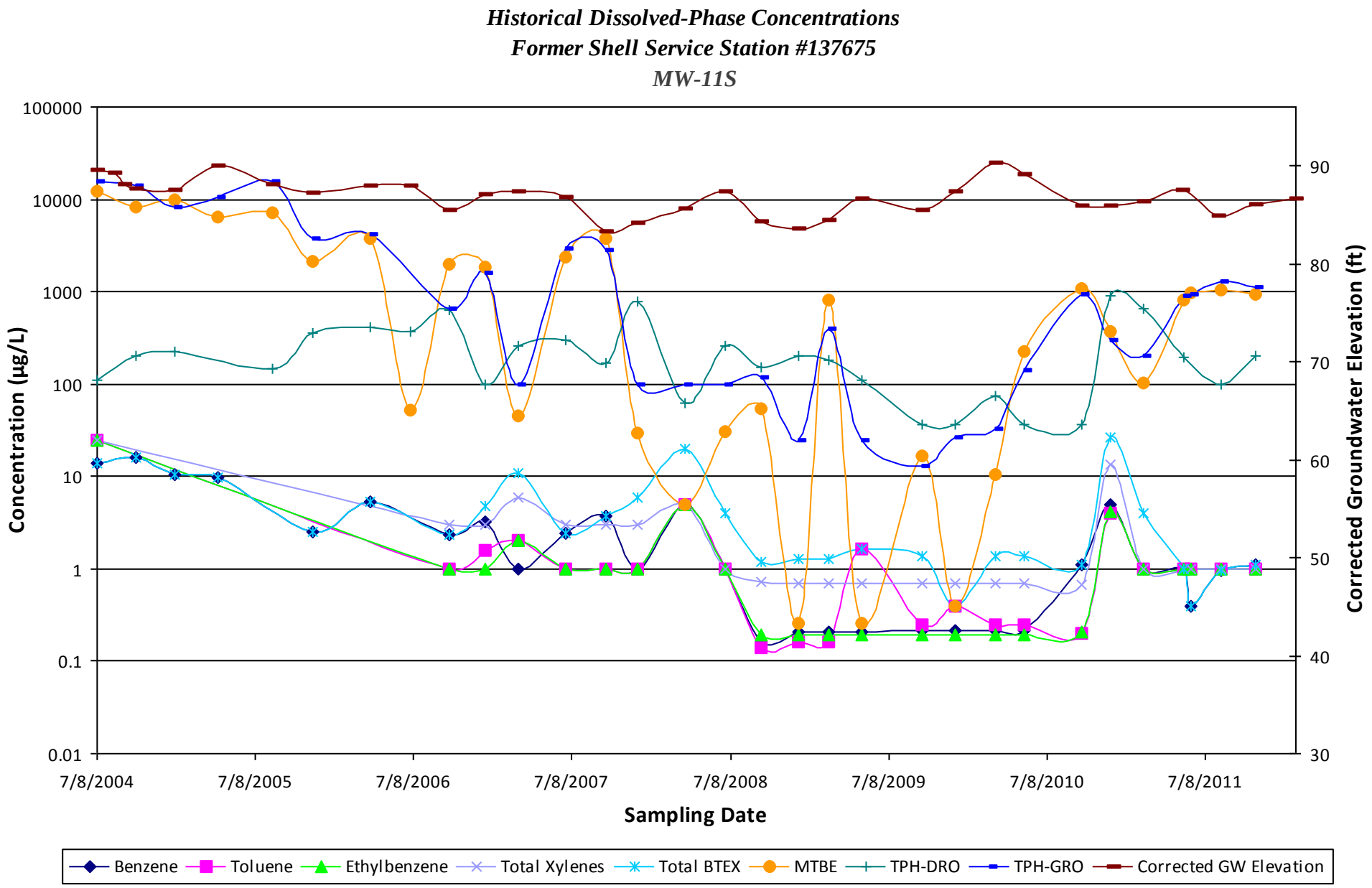

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-09D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
4/5/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-09S
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
4/5/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

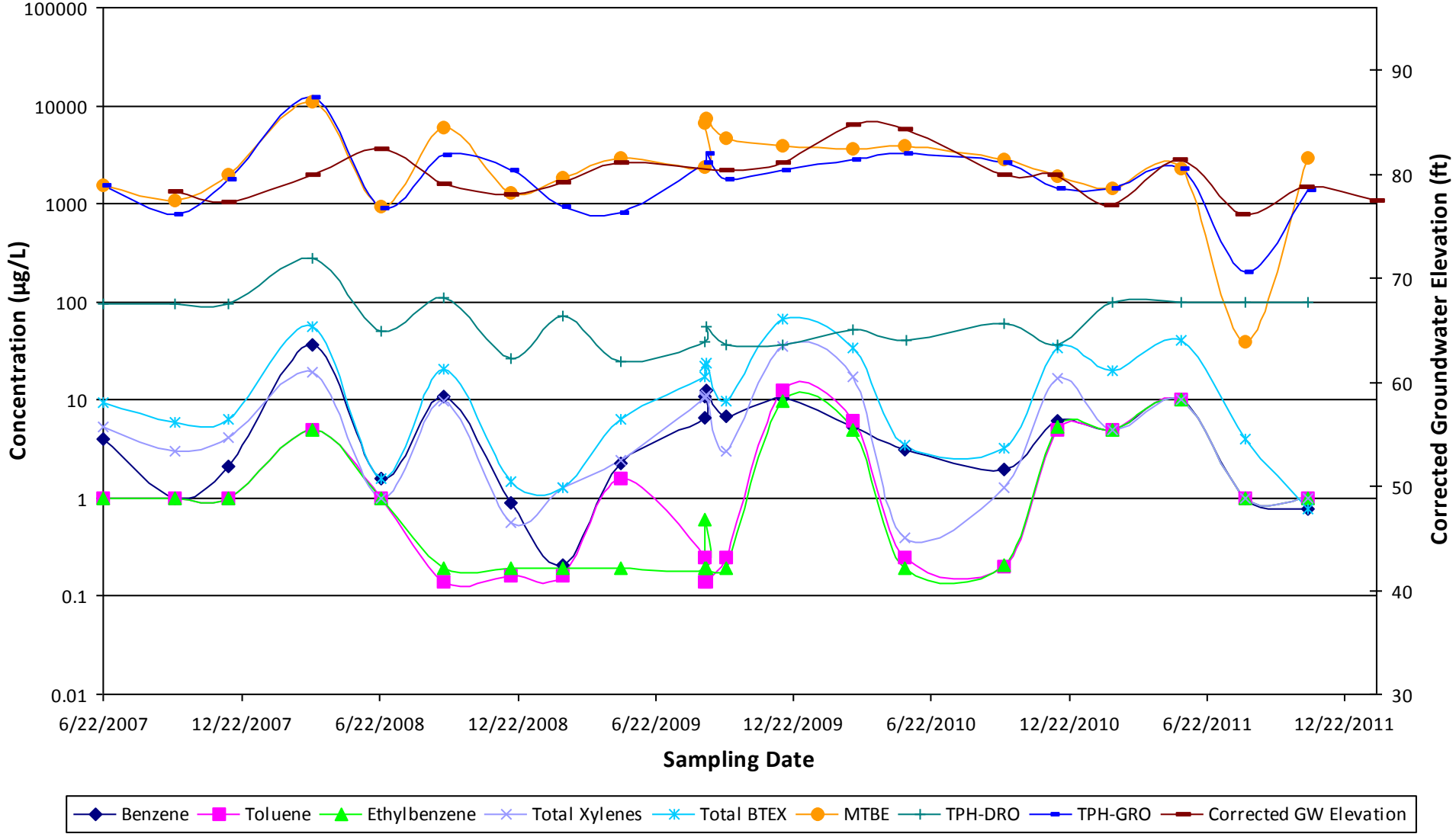

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-11D
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
7/8/2004
7/8/2005
7/8/2006
7/8/2007
7/8/2008
7/8/2009
7/8/2010
7/8/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

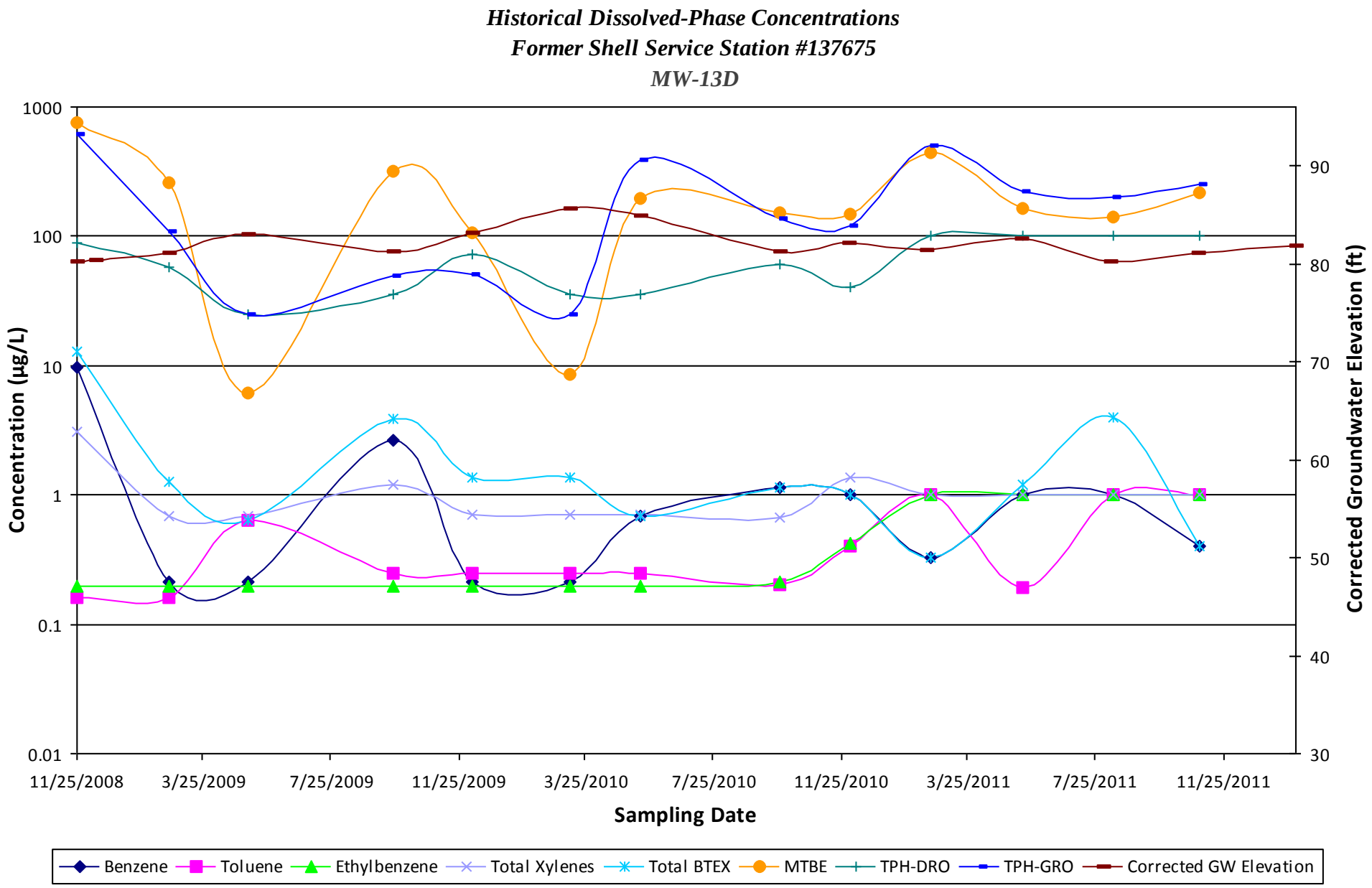
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-11R

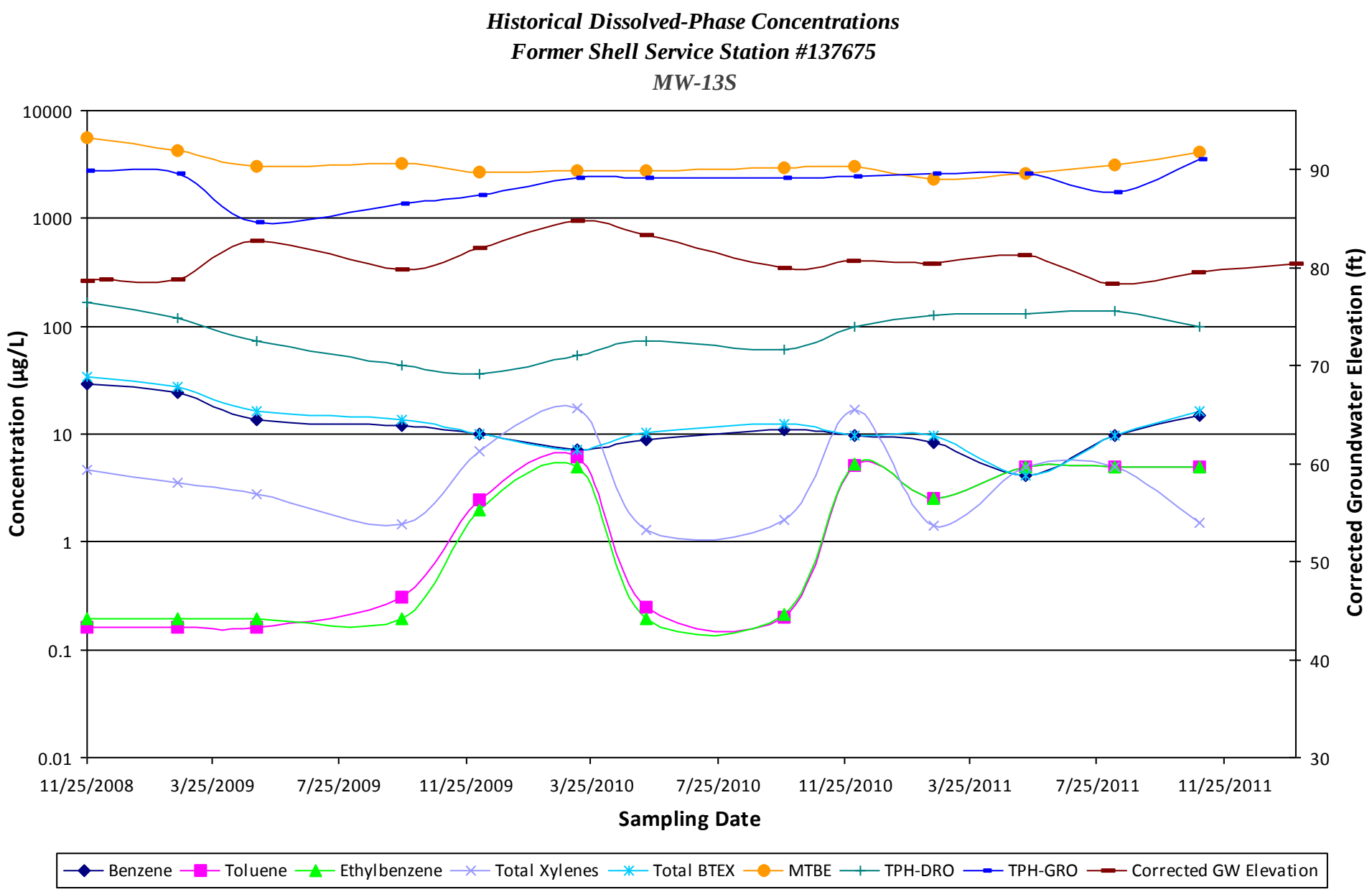


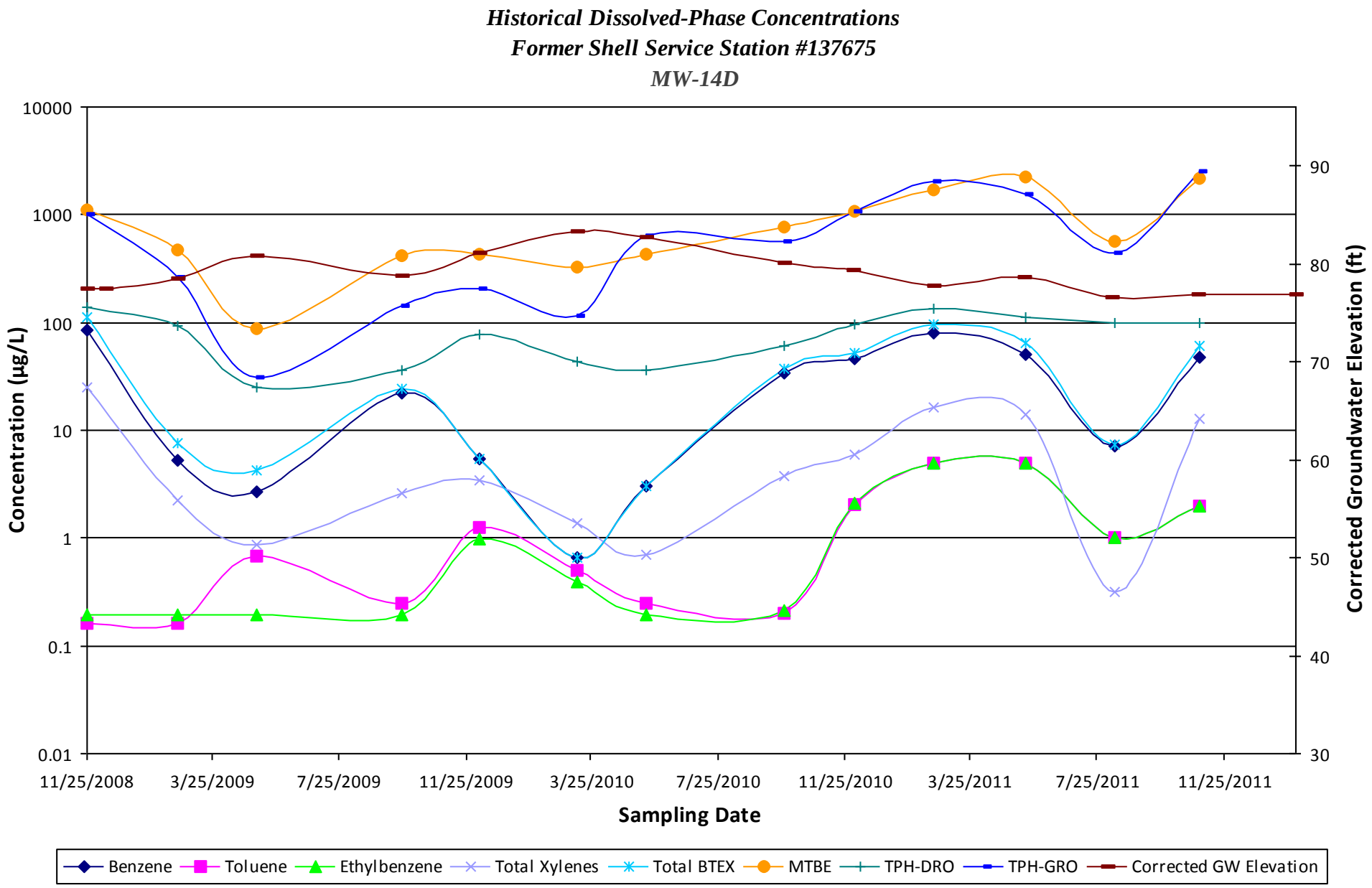

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-11S
Concentration (µg/L)
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
7/8/2004
7/8/2005
7/8/2006
7/8/2007
7/8/2008
7/8/2009
7/8/2010
7/8/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

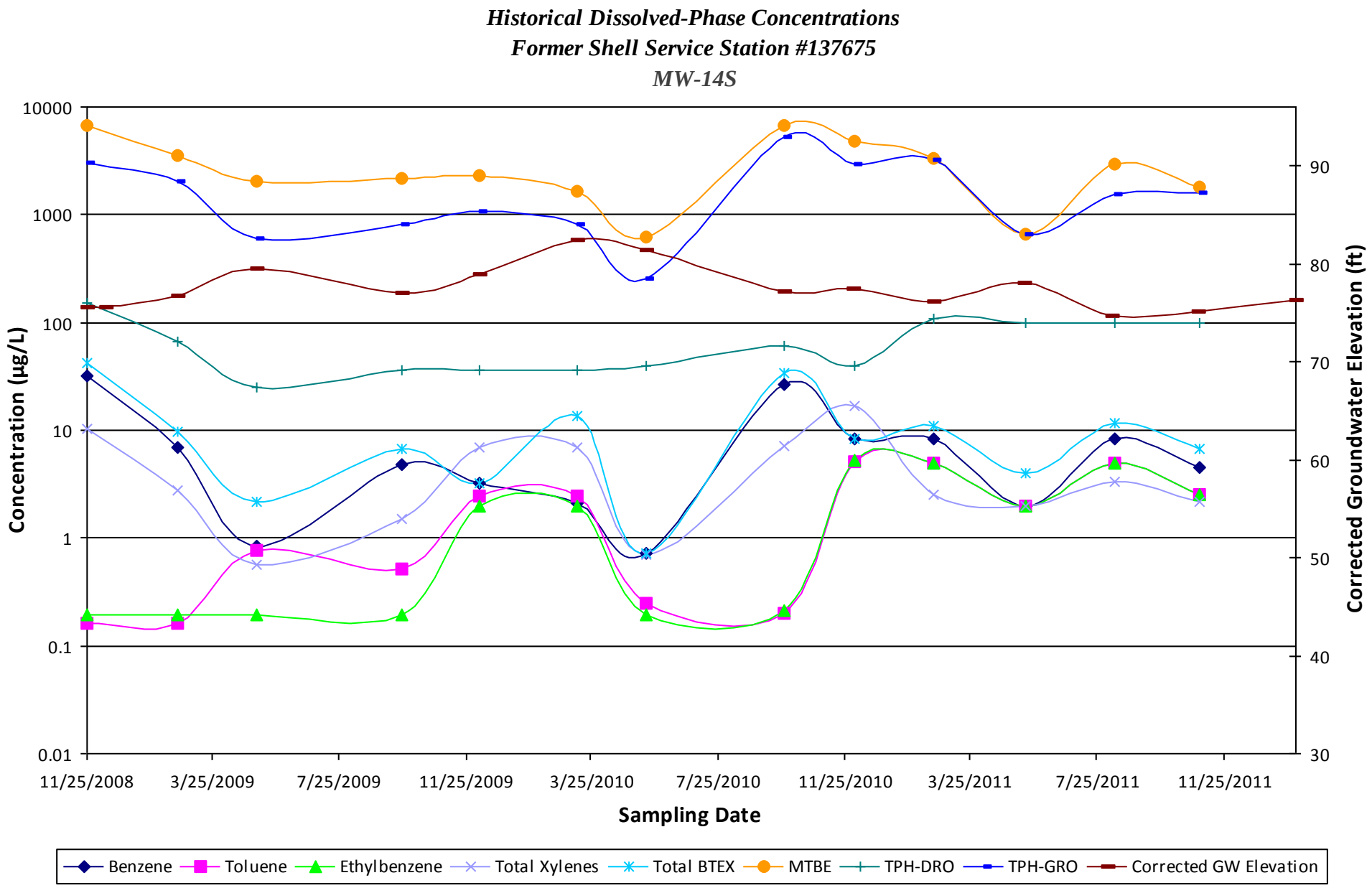
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-12

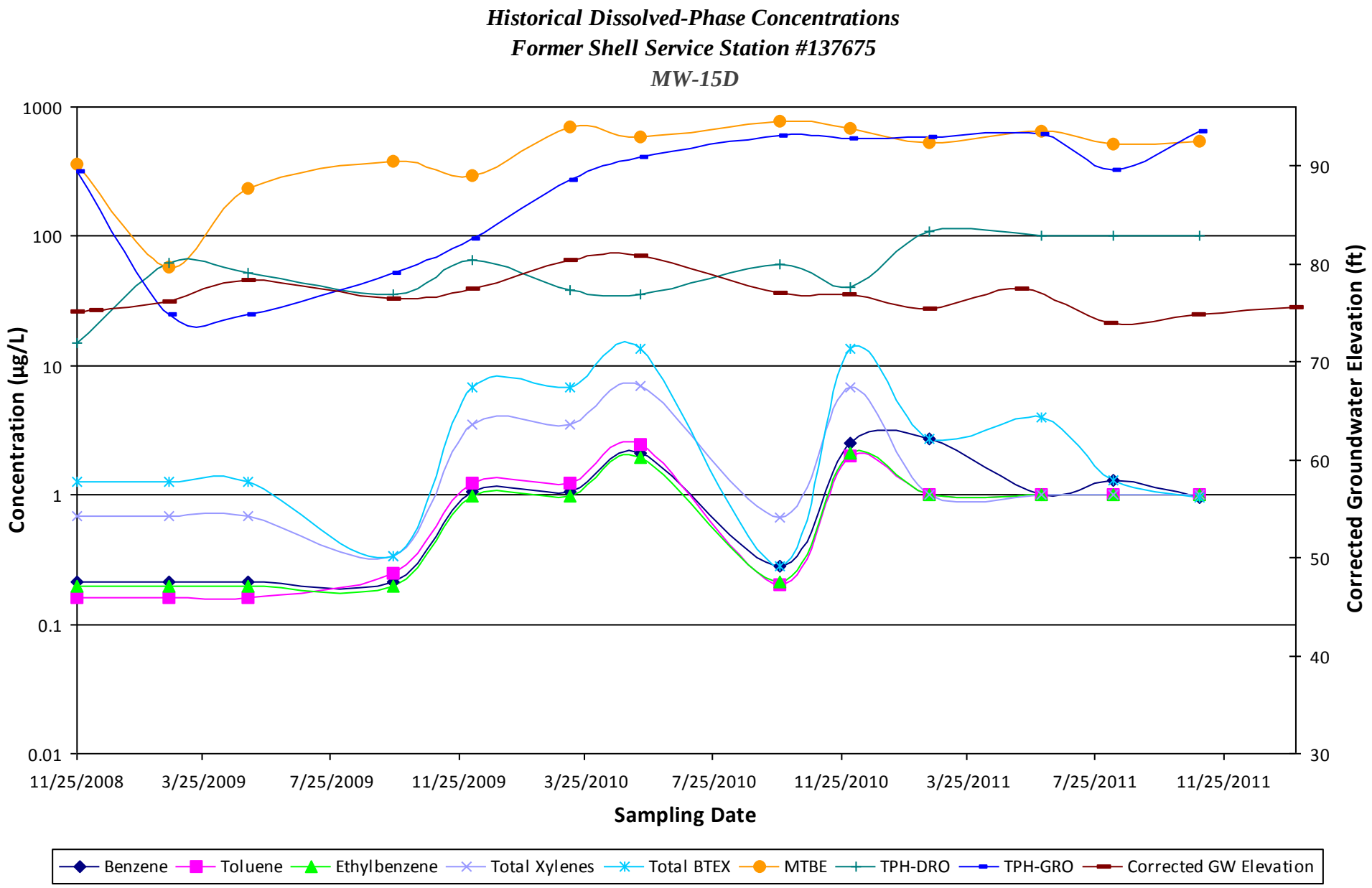


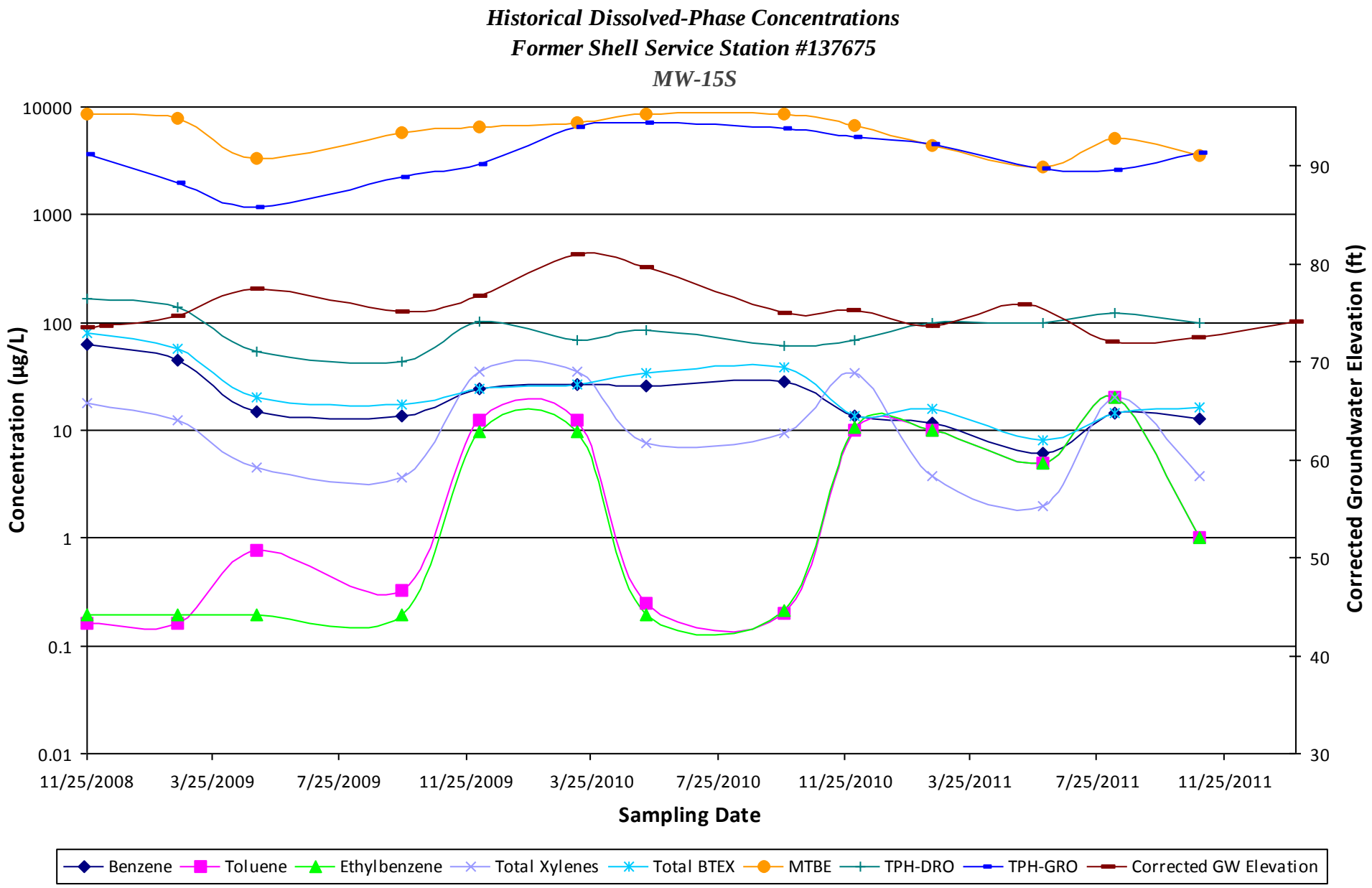

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-13D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-13S
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

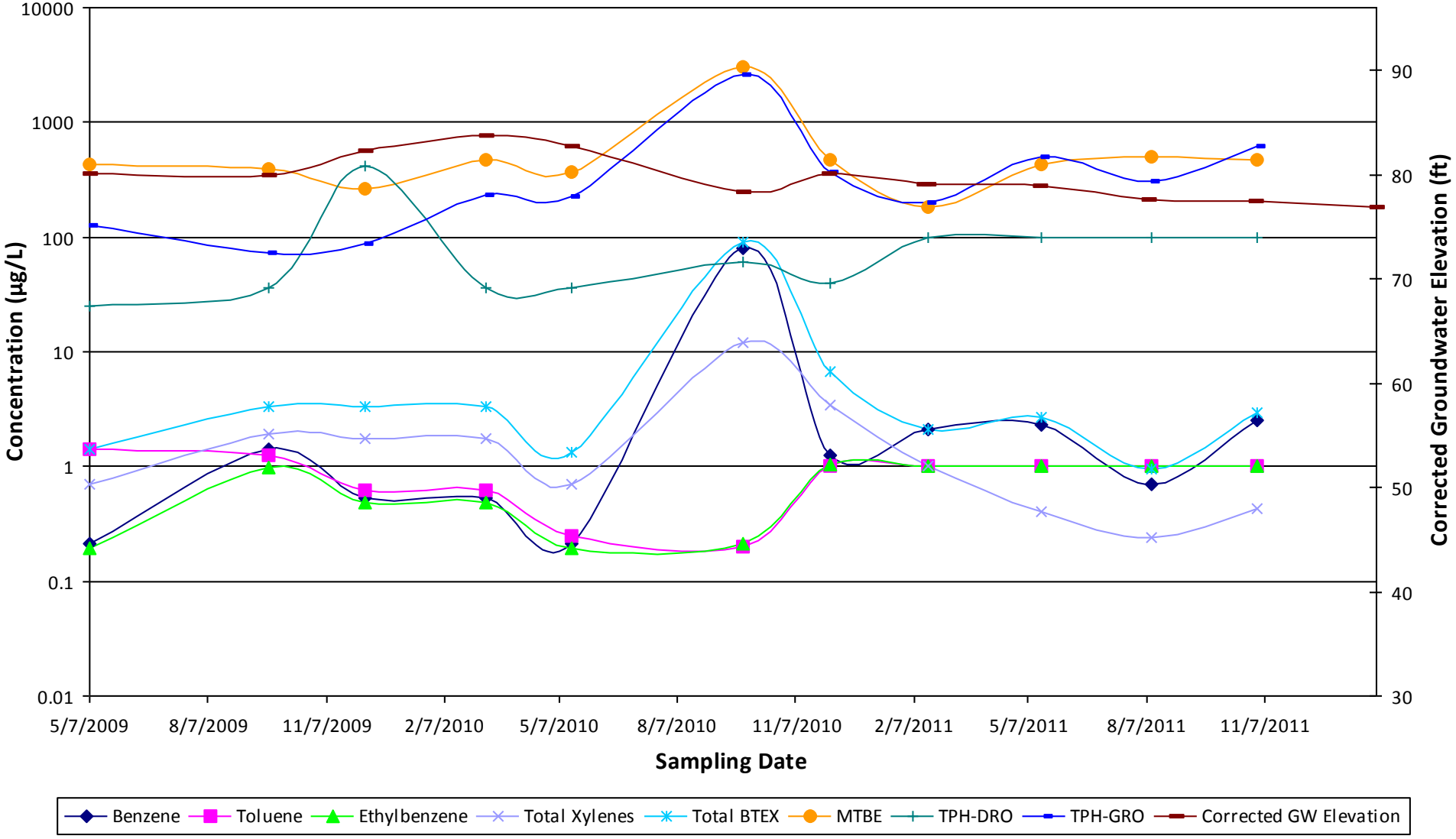

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-14D
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-14S
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

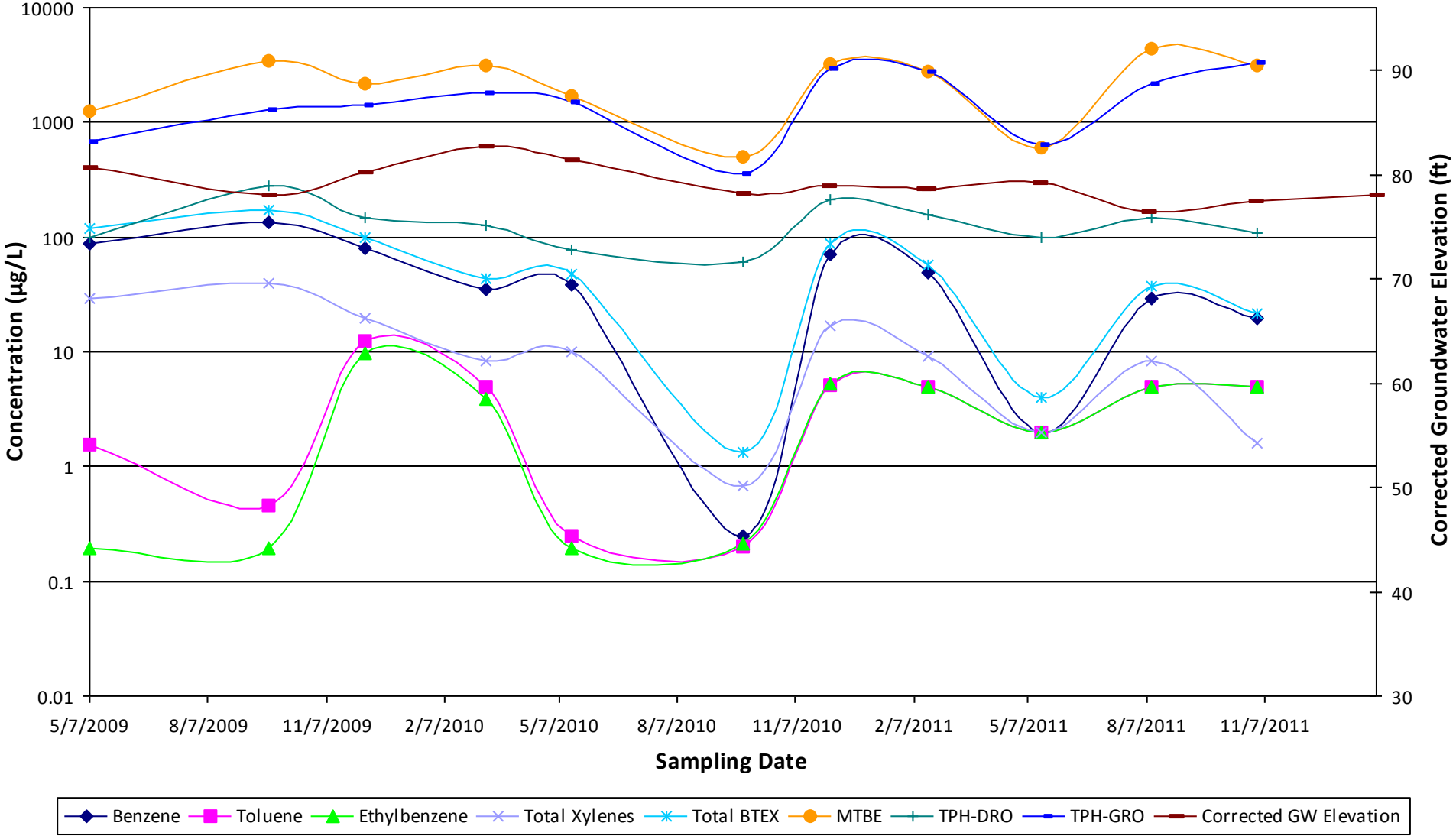

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-15D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

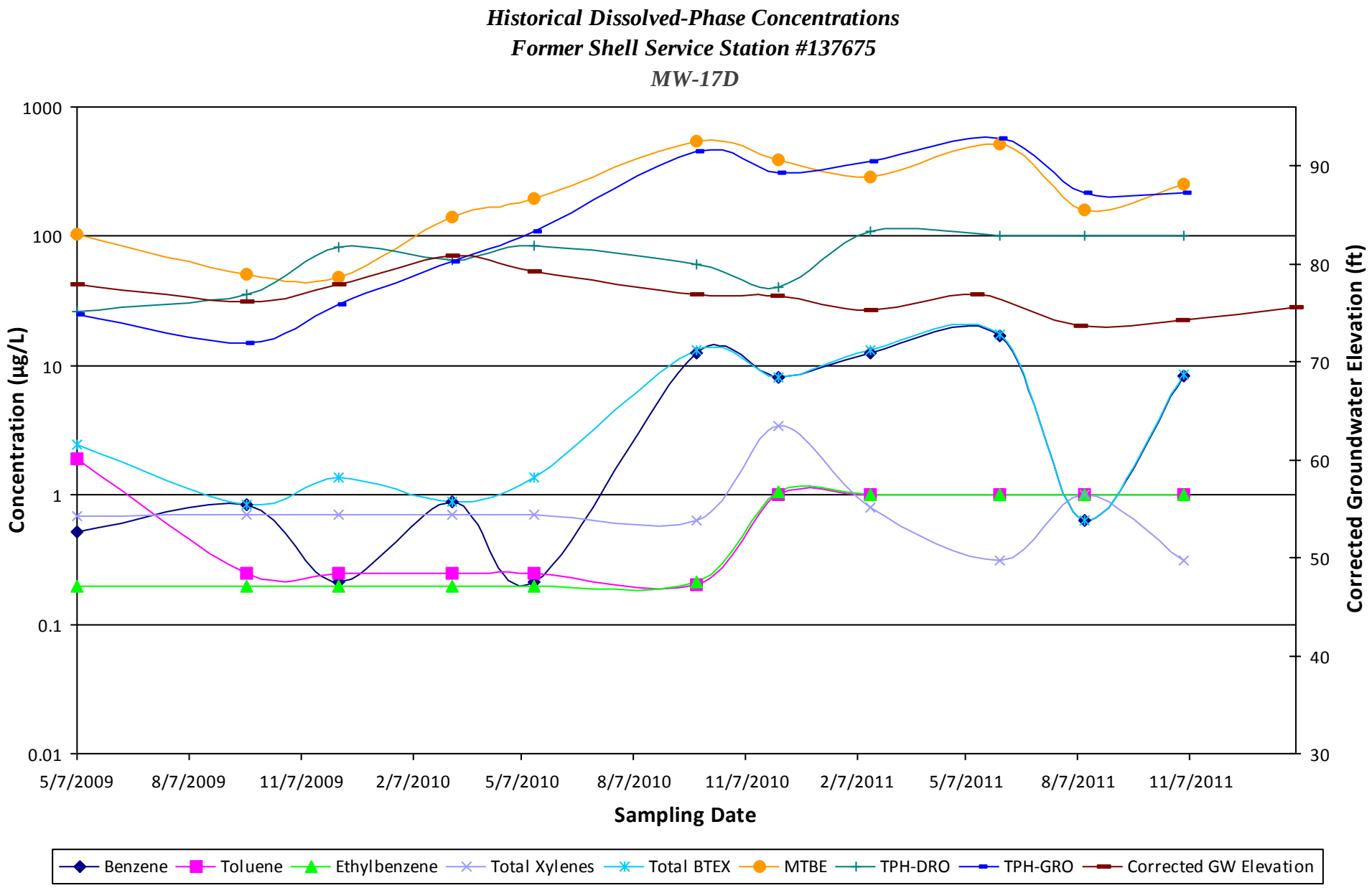

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-15S
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
11/25/2008
3/25/2009
7/25/2009
11/25/2009
3/25/2010
7/25/2010
11/25/2010
3/25/2011
7/25/2011
11/25/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

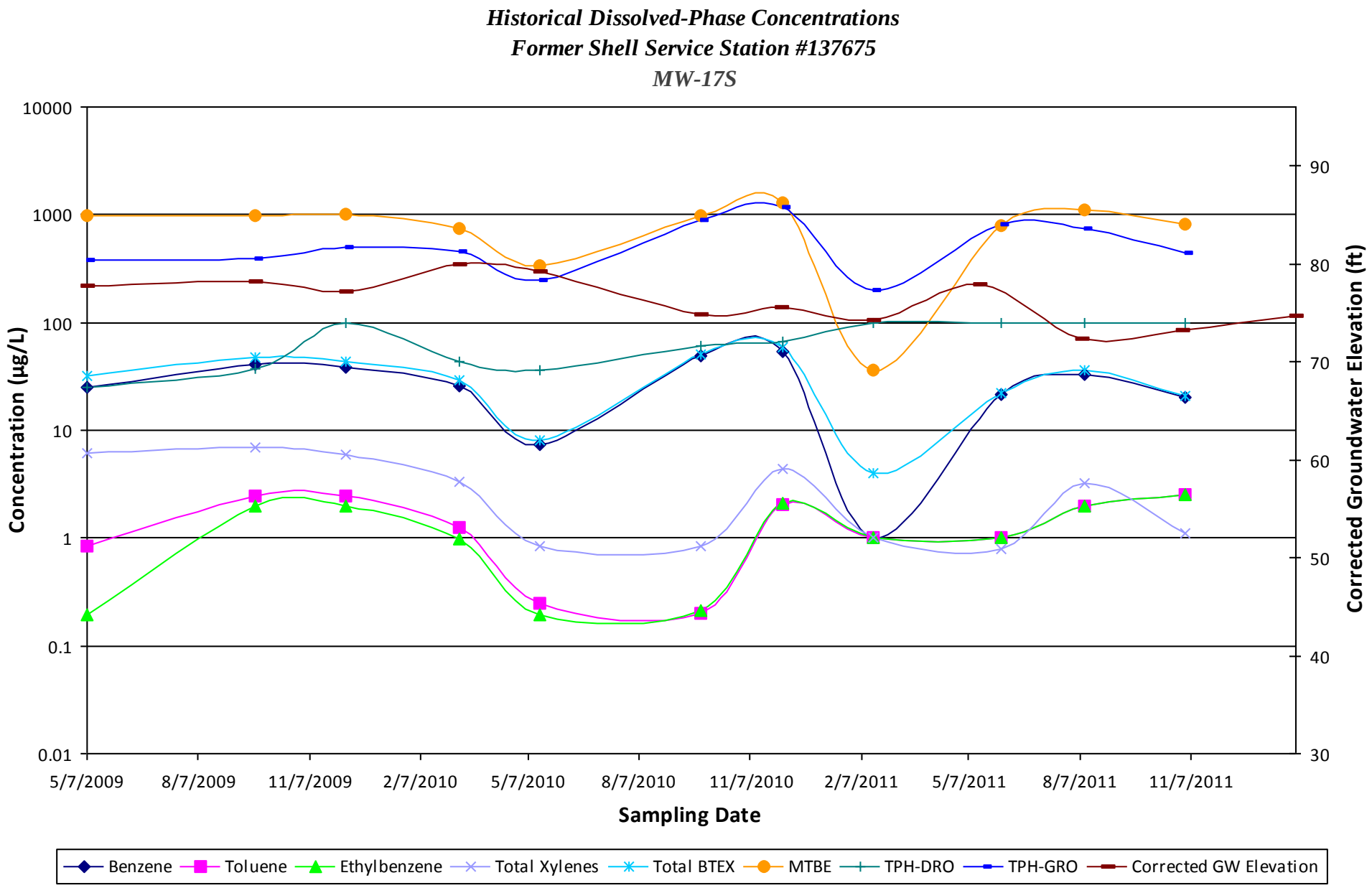
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-16D

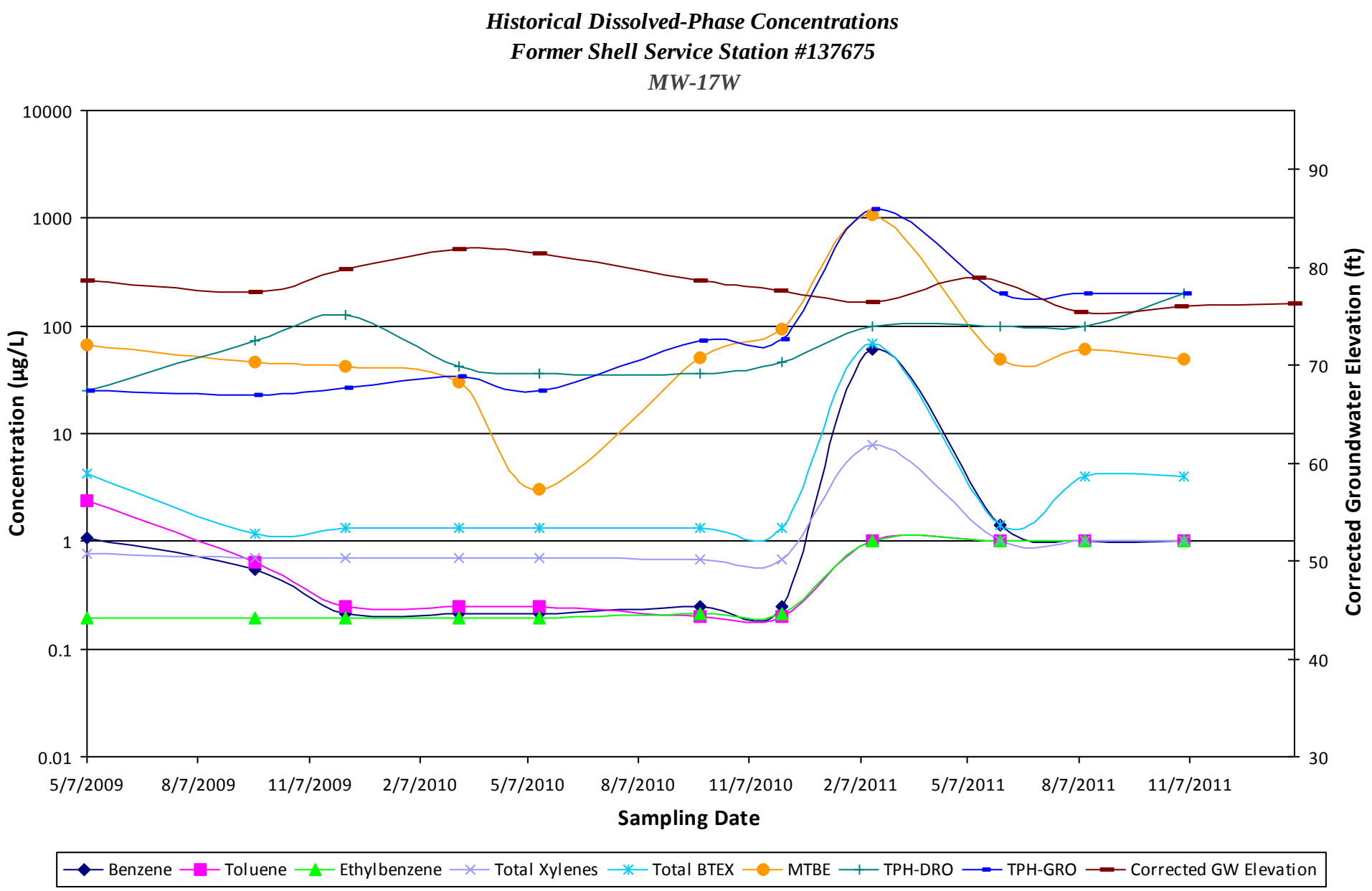


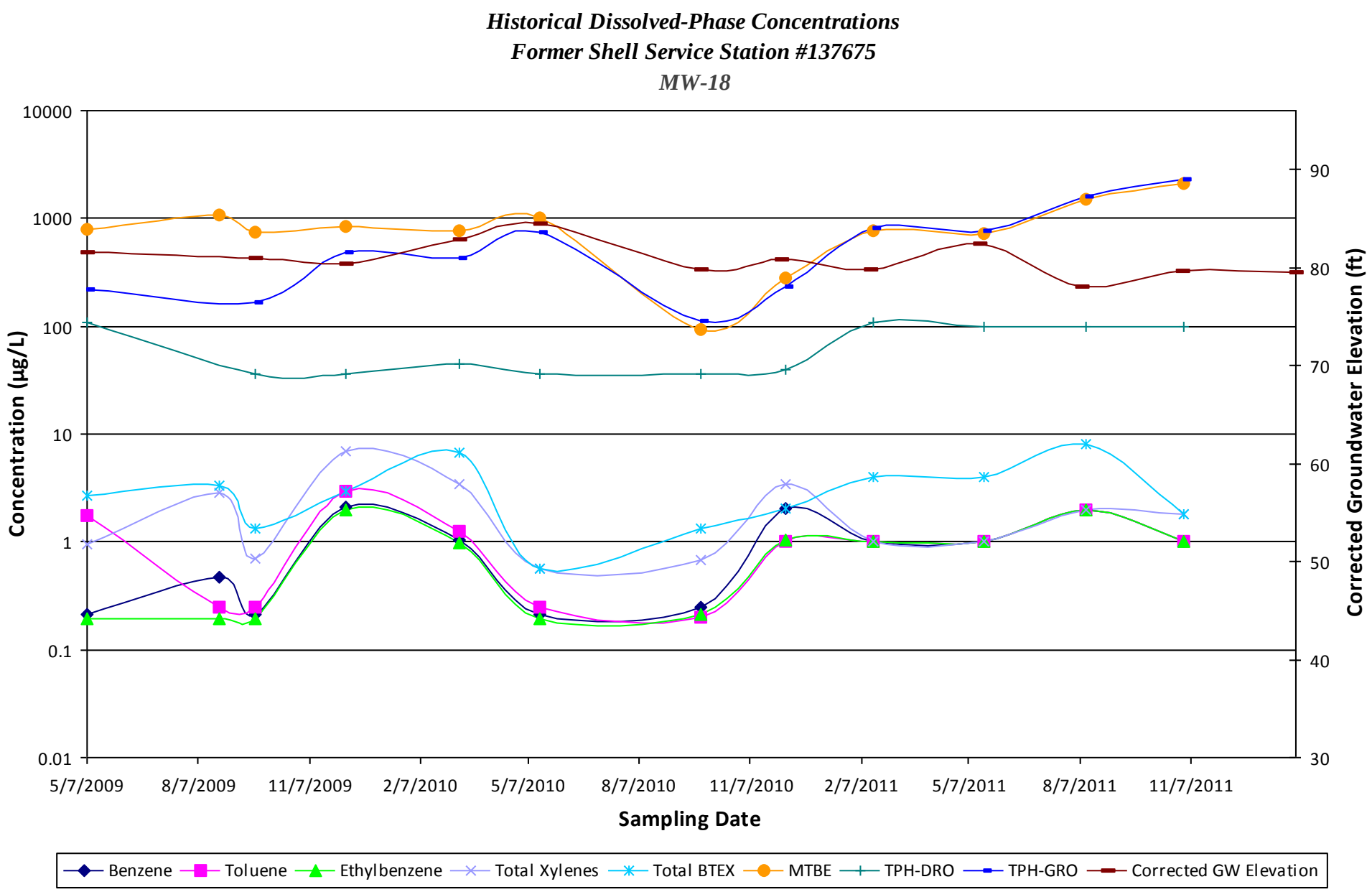
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-16S

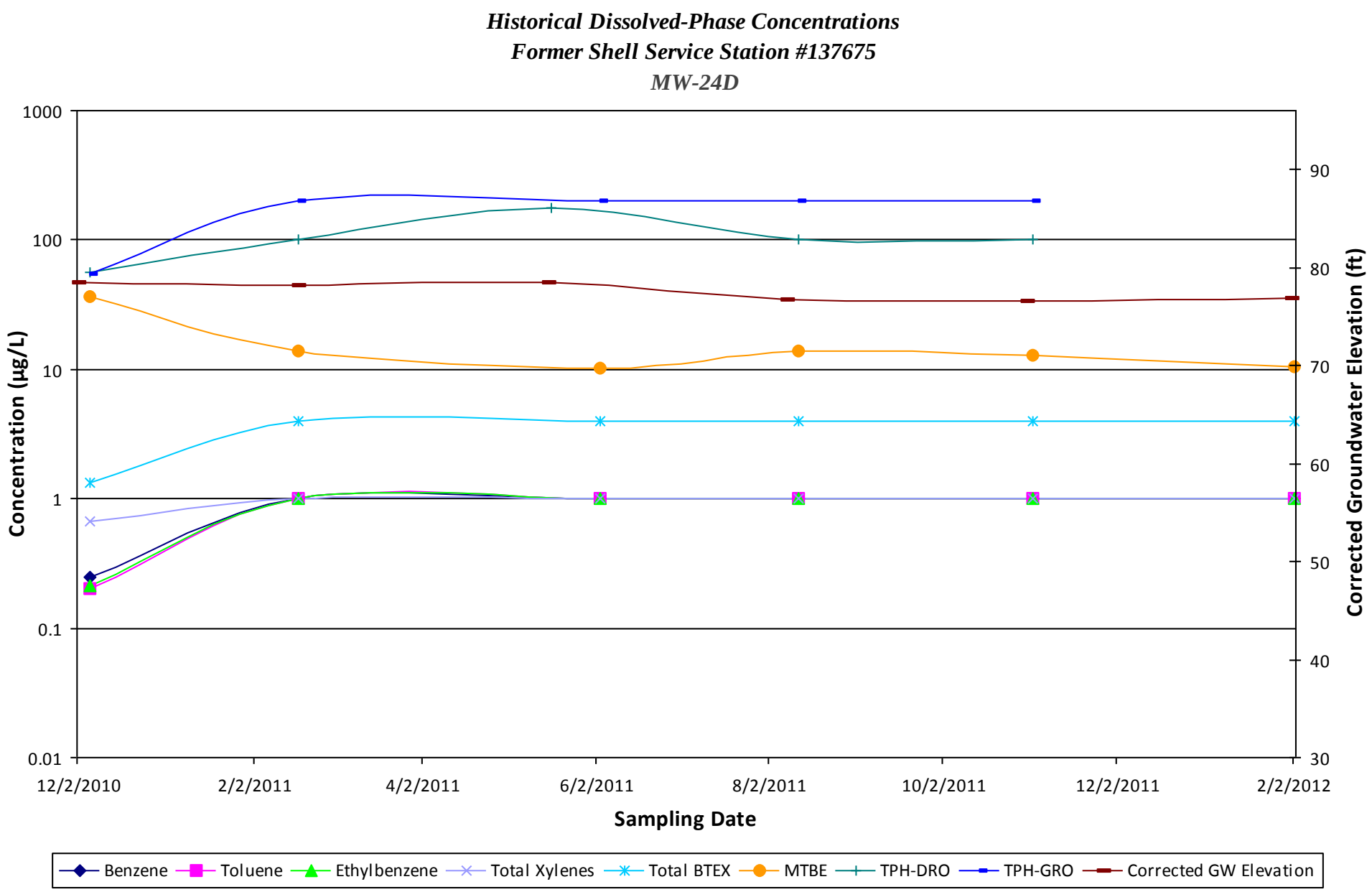


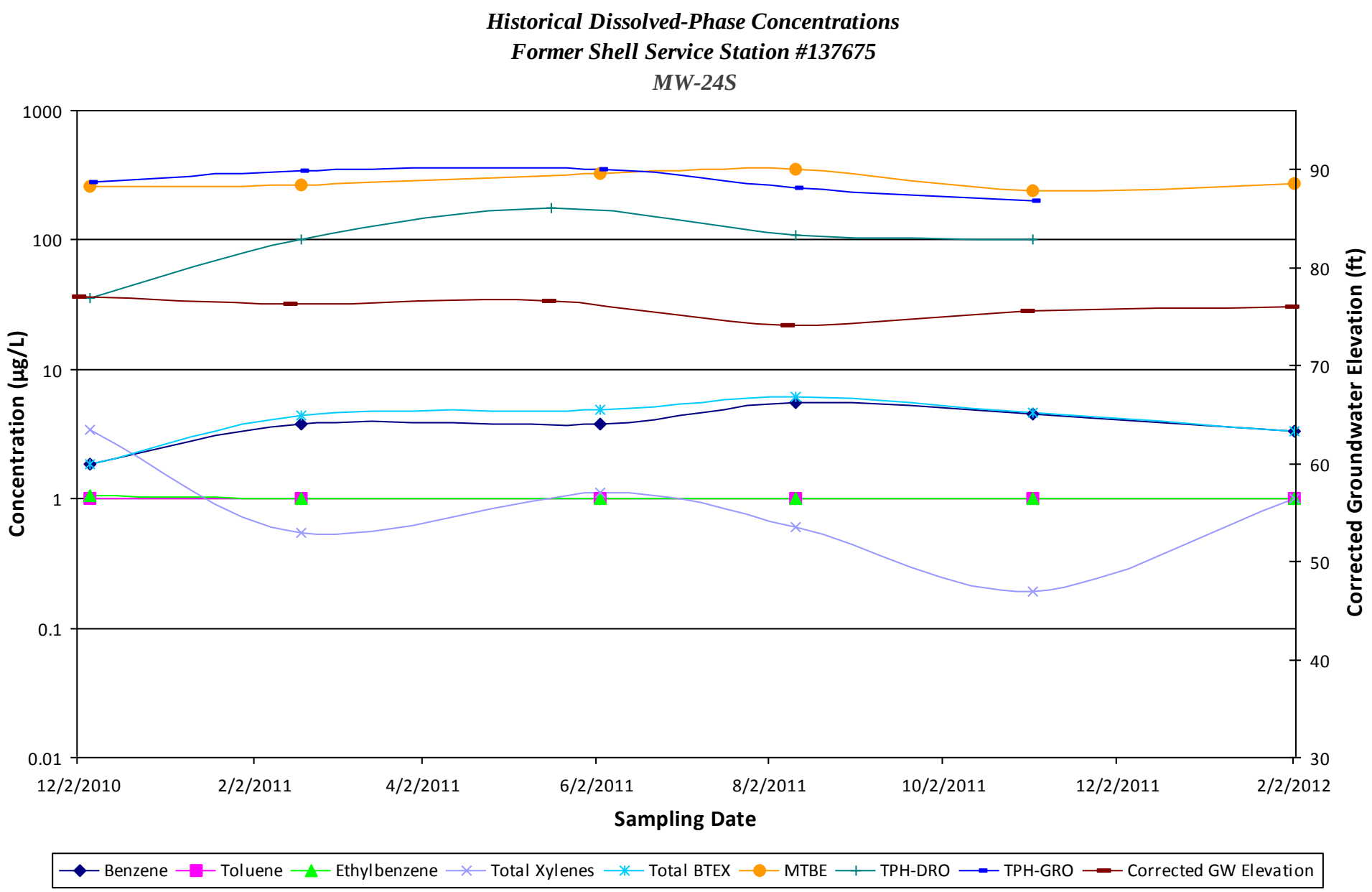

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-17D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
5/7/2009
8/7/2009
11/7/2009
2/7/2010
5/7/2010
8/7/2010
11/7/2010
2/7/2011
5/7/2011
8/7/2011
11/7/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

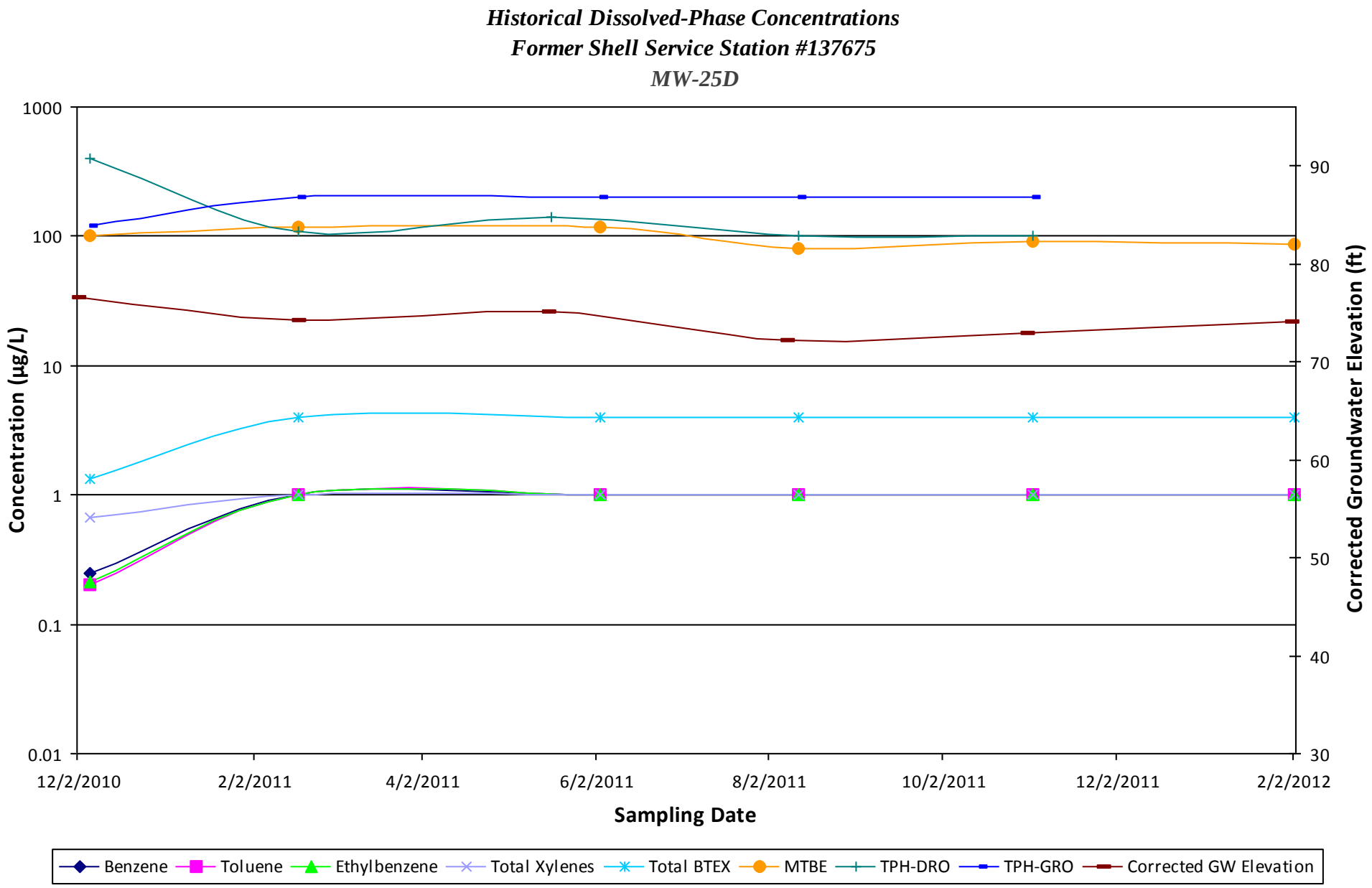

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-17S
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
5/7/2009
8/7/2009
11/7/2009
2/7/2010
5/7/2010
8/7/2010
11/7/2010
2/7/2011
5/7/2011
8/7/2011
11/7/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-17W
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
5/7/2009
8/7/2009
11/7/2009
2/7/2010
5/7/2010
8/7/2010
11/7/2010
2/7/2011
5/7/2011
8/7/2011
11/7/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

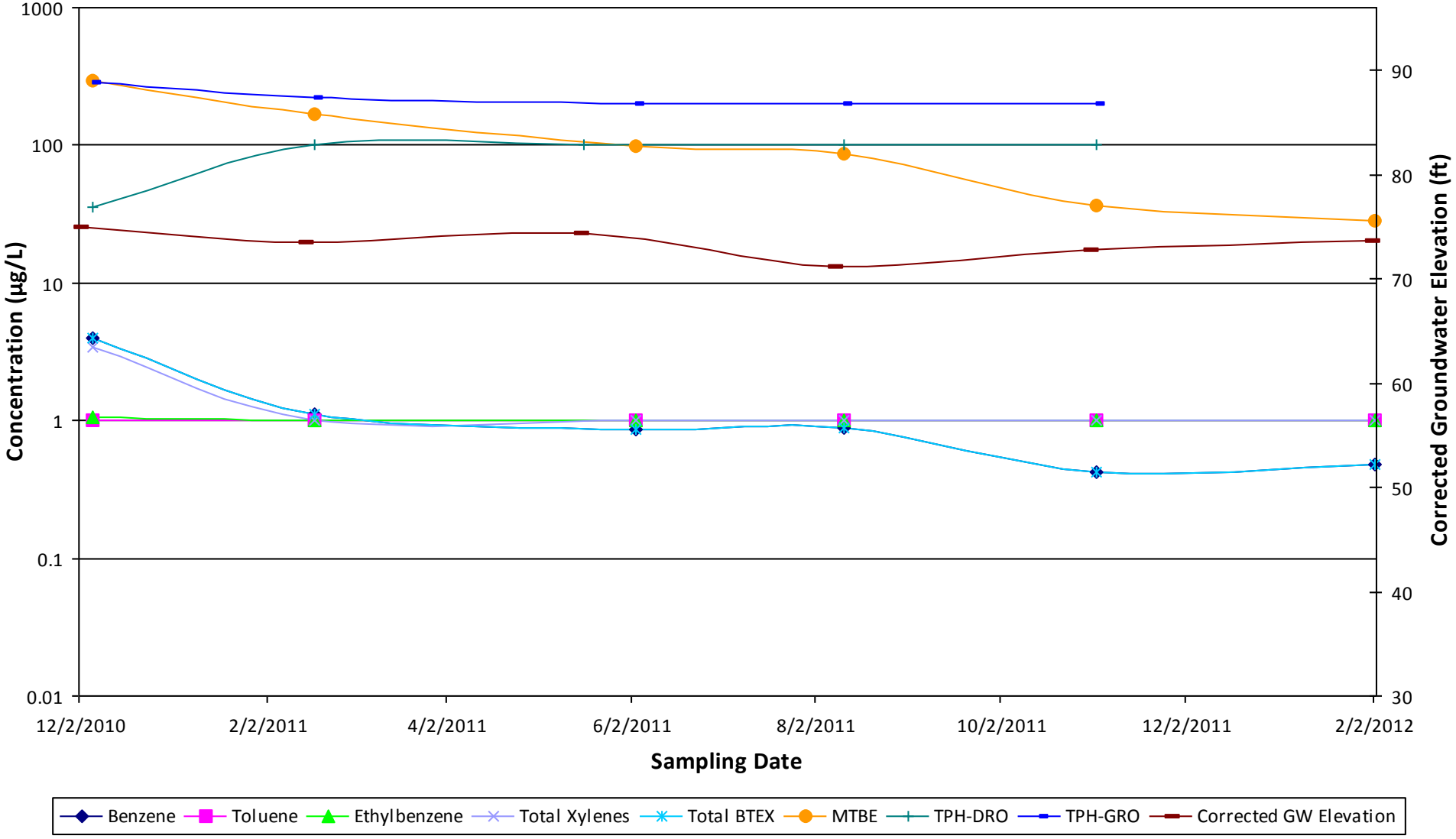

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-18
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
5/7/2009
8/7/2009
11/7/2009
2/7/2010
5/7/2010
8/7/2010
11/7/2010
2/7/2011
5/7/2011
8/7/2011
11/7/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

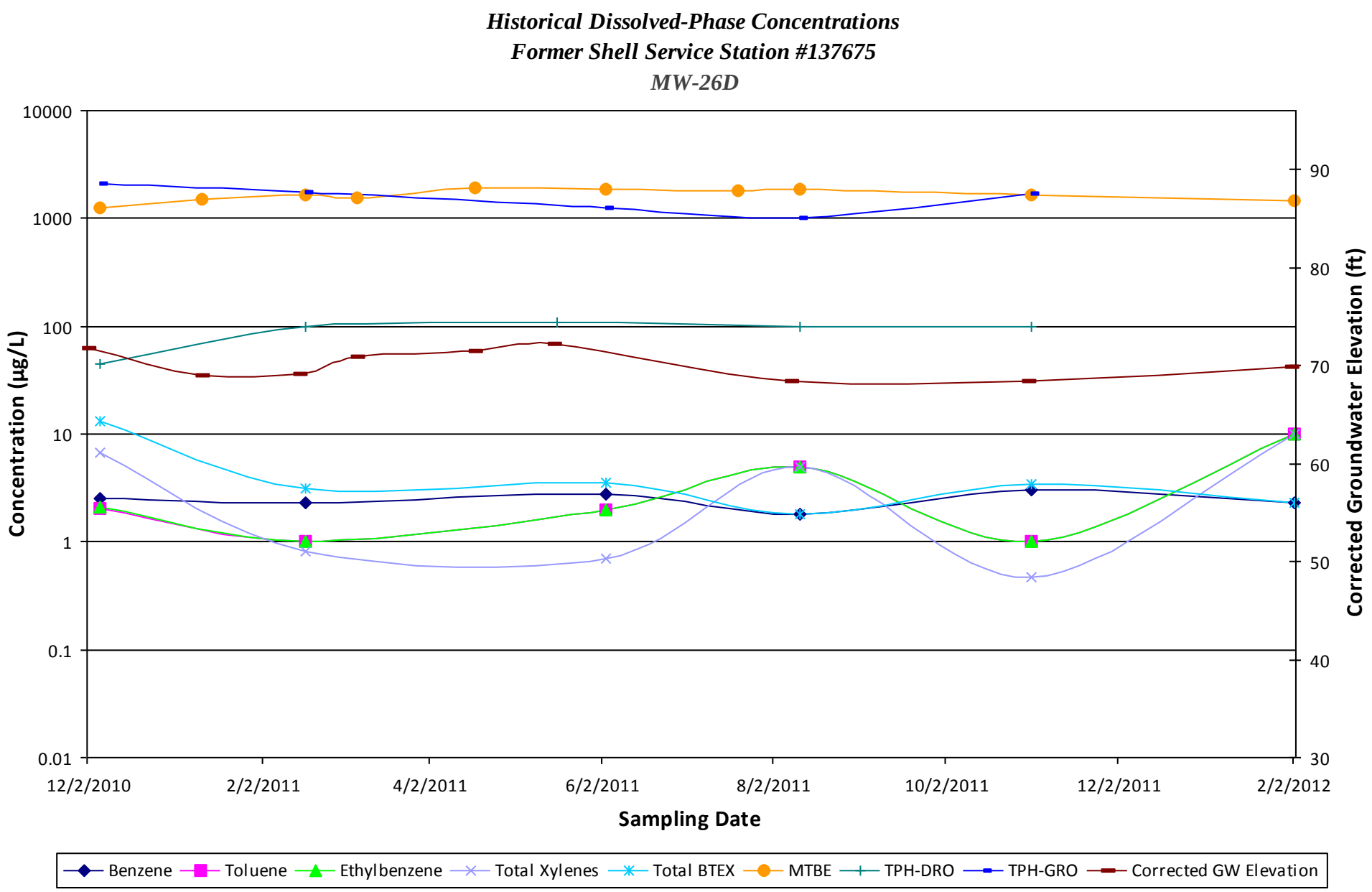

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-24D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
2/2/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

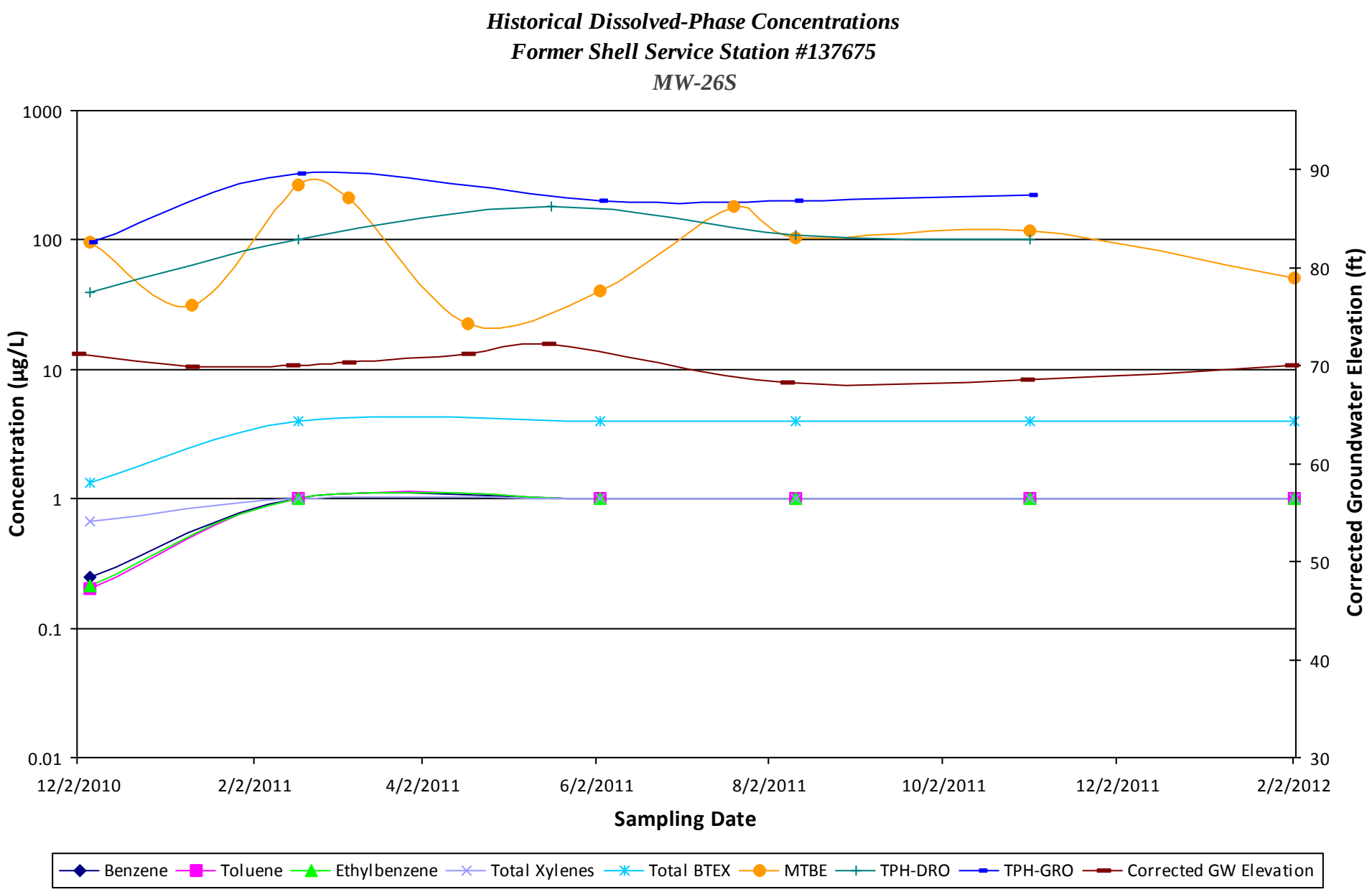

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-24S
1000
100
10
1
0.1
0.01
Concentration (µg/L)
90
80
70
60
50
40
30
Corrected Groundwater Elevation (ft)
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
2/2/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-25D
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
2/2/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

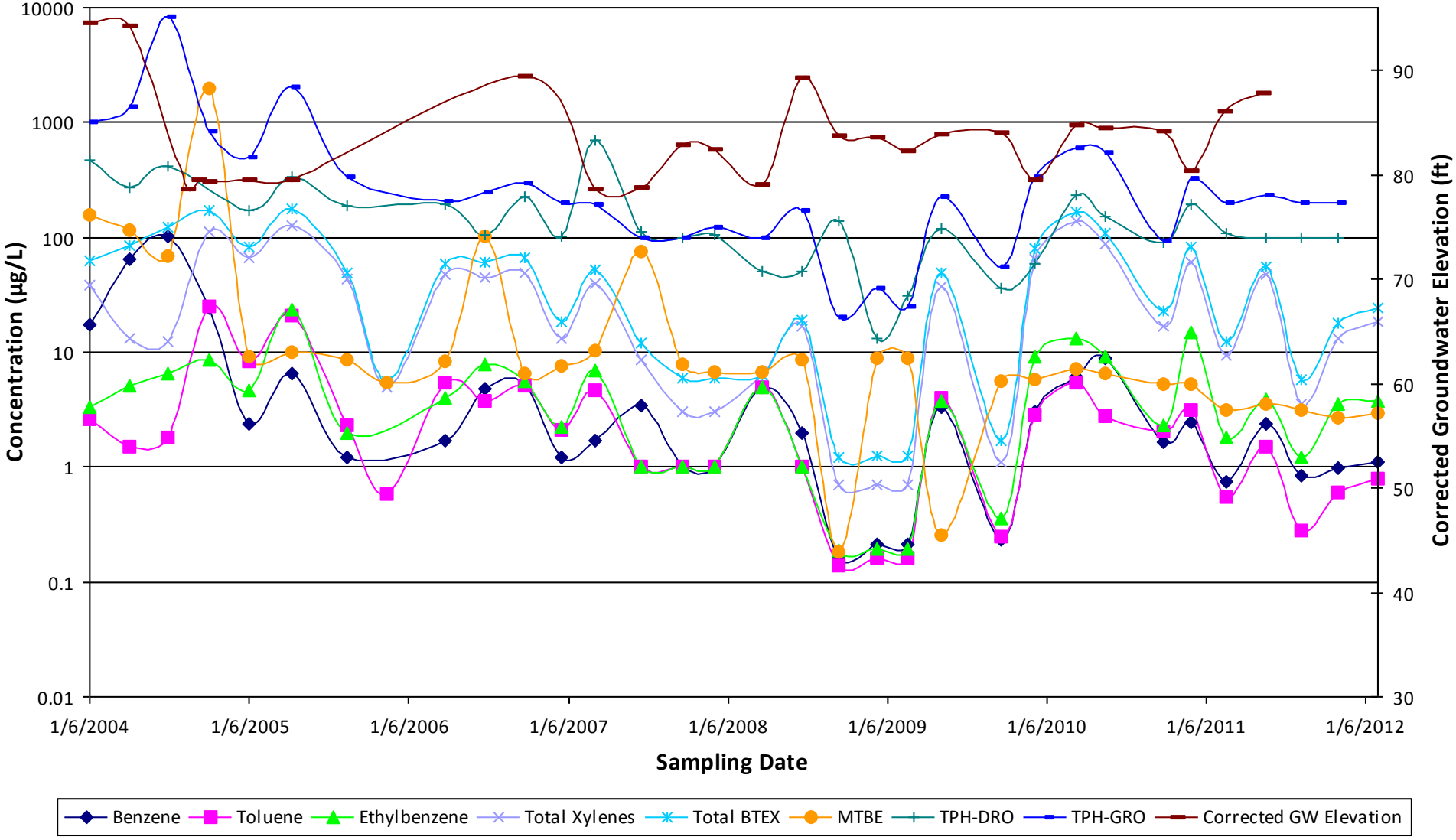
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-25S

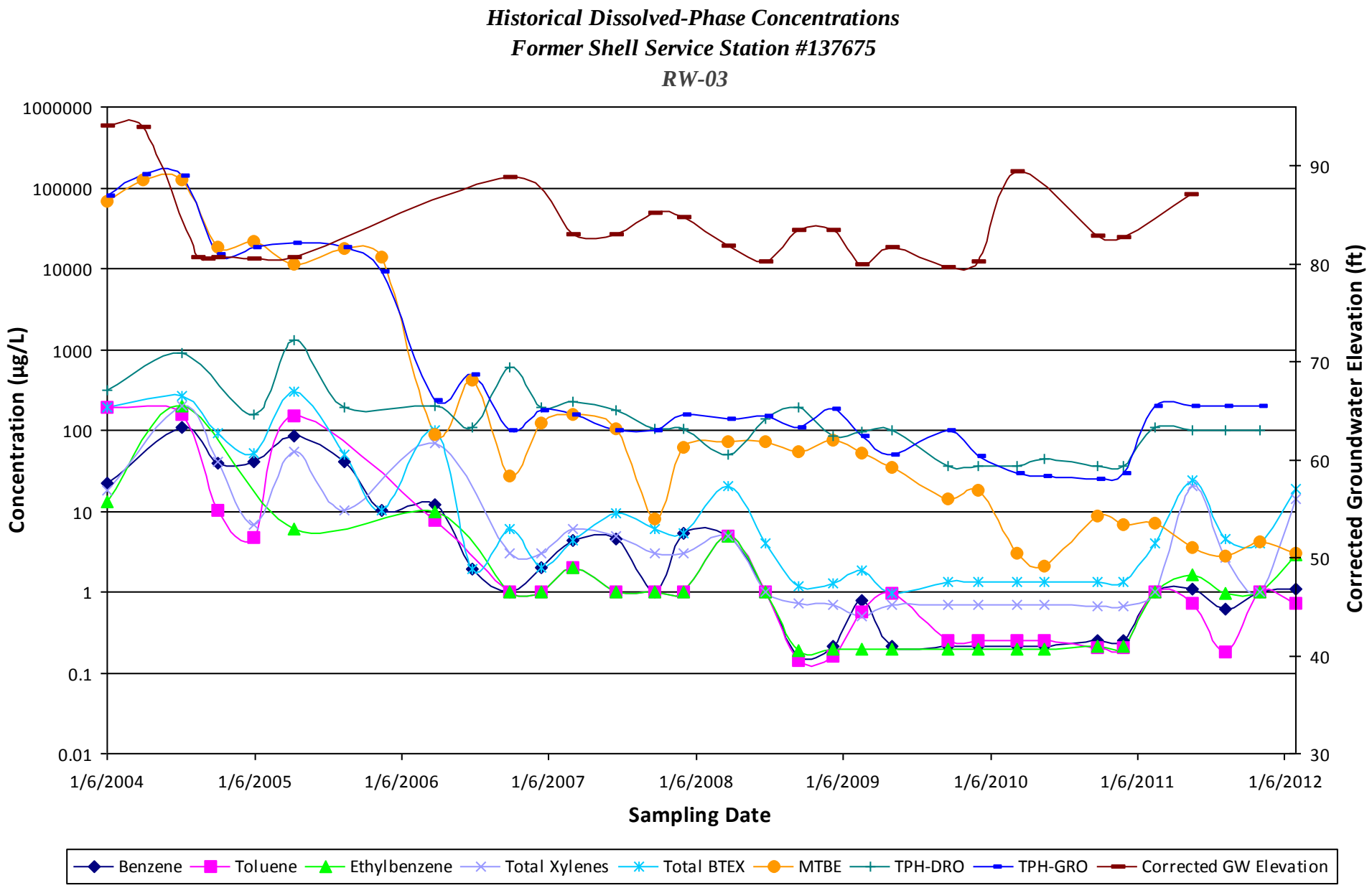


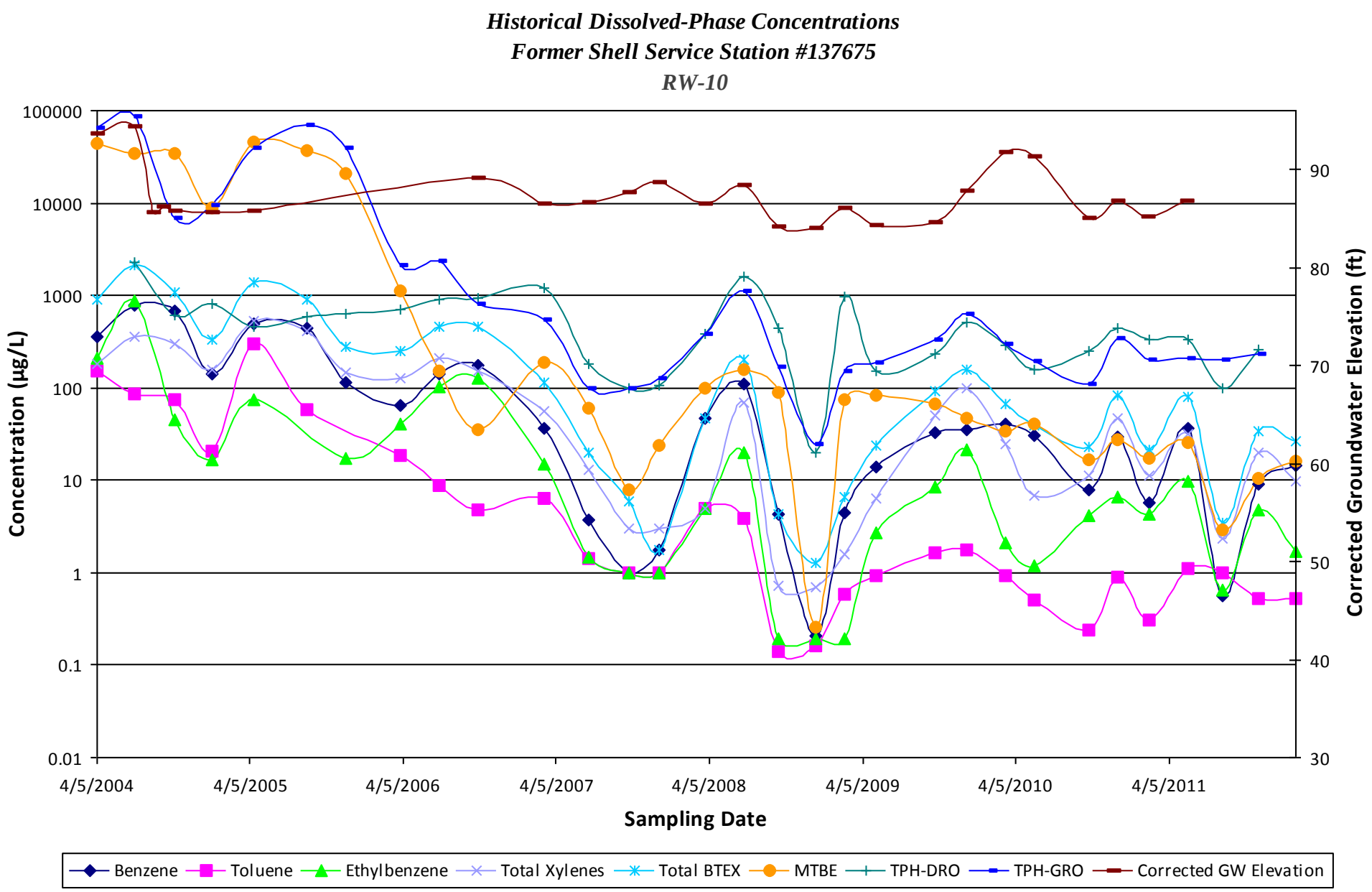

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-26D
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
2/2/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

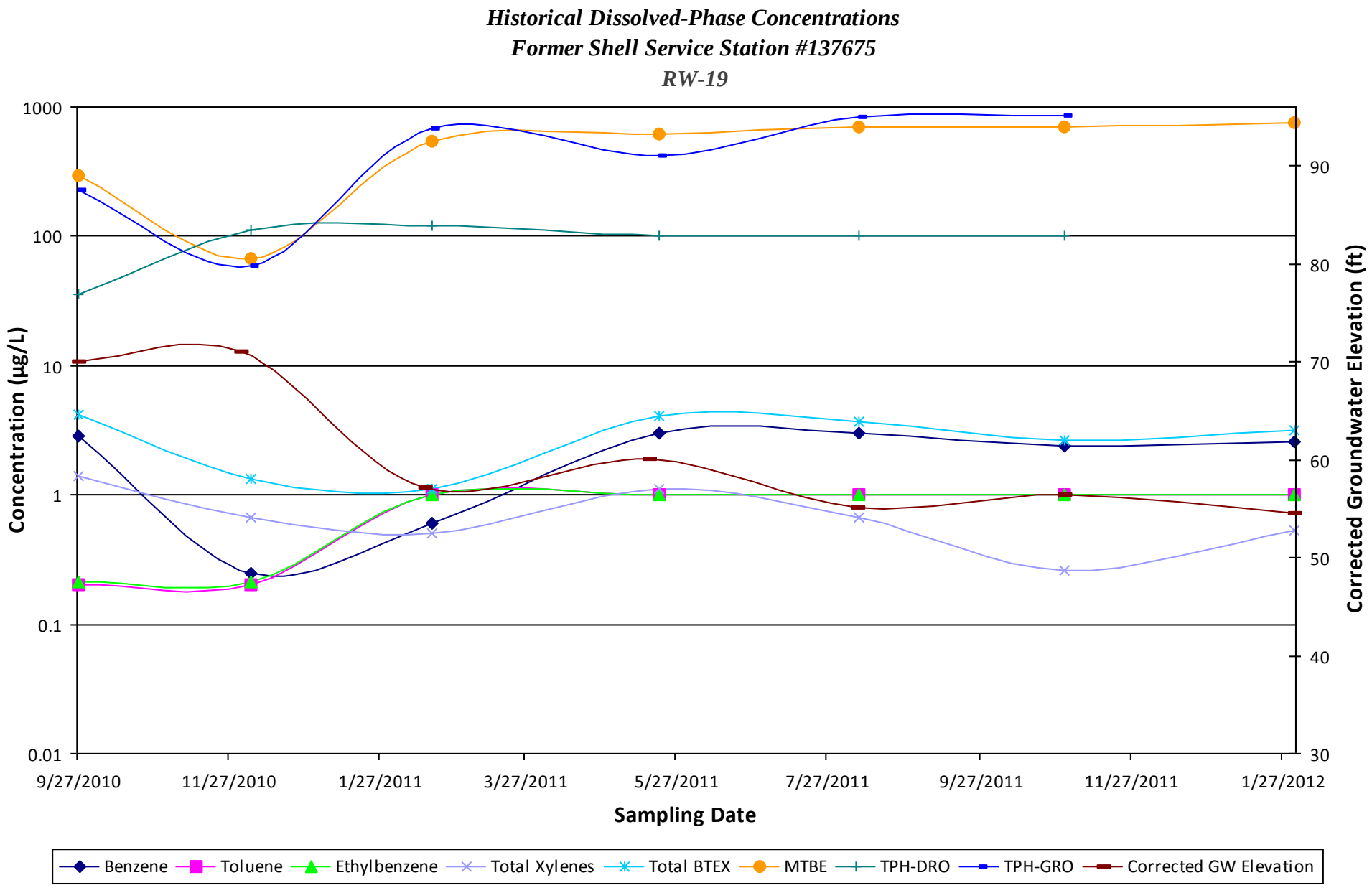

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
MW-26S
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
2/2/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

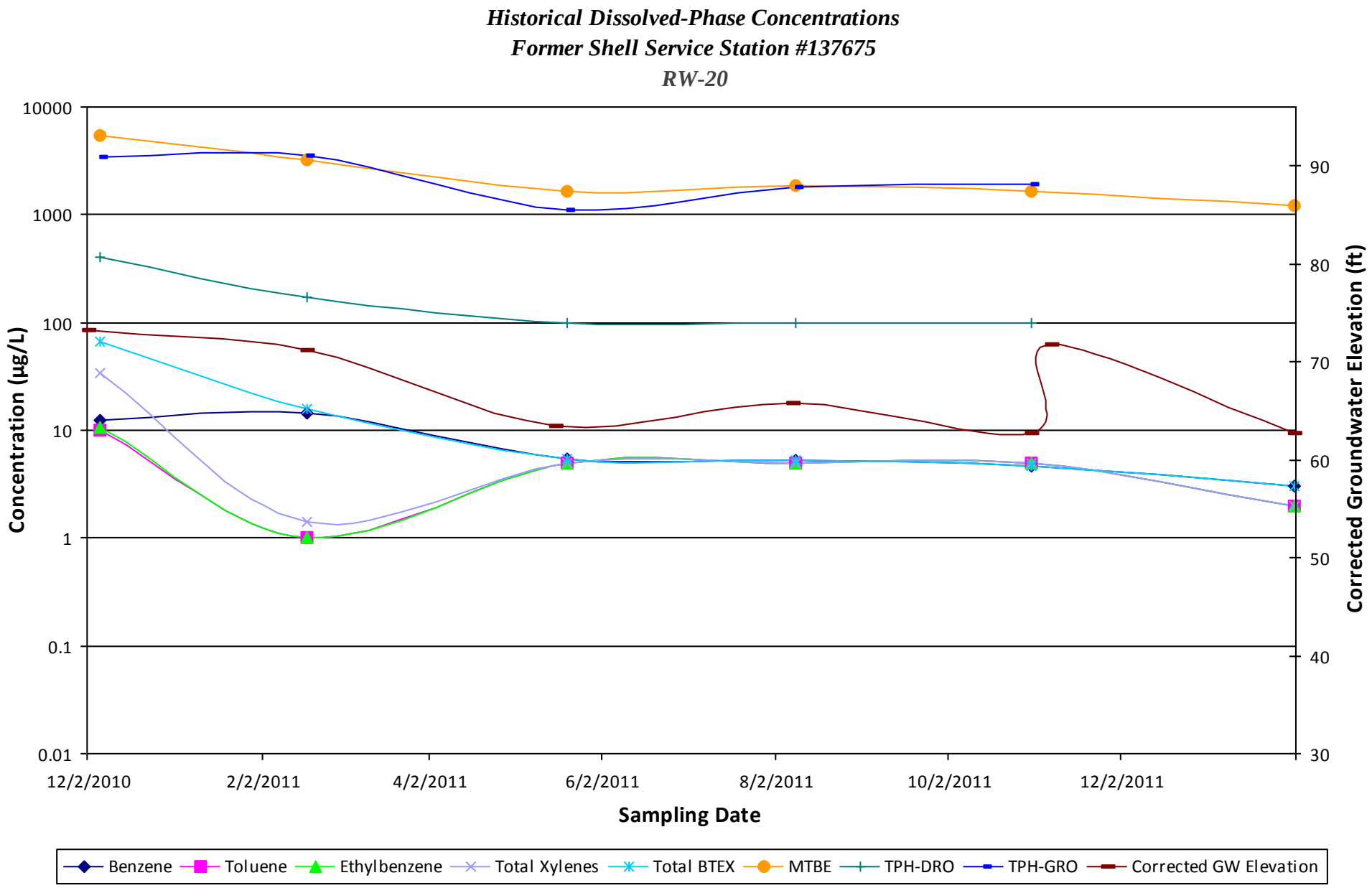
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-01



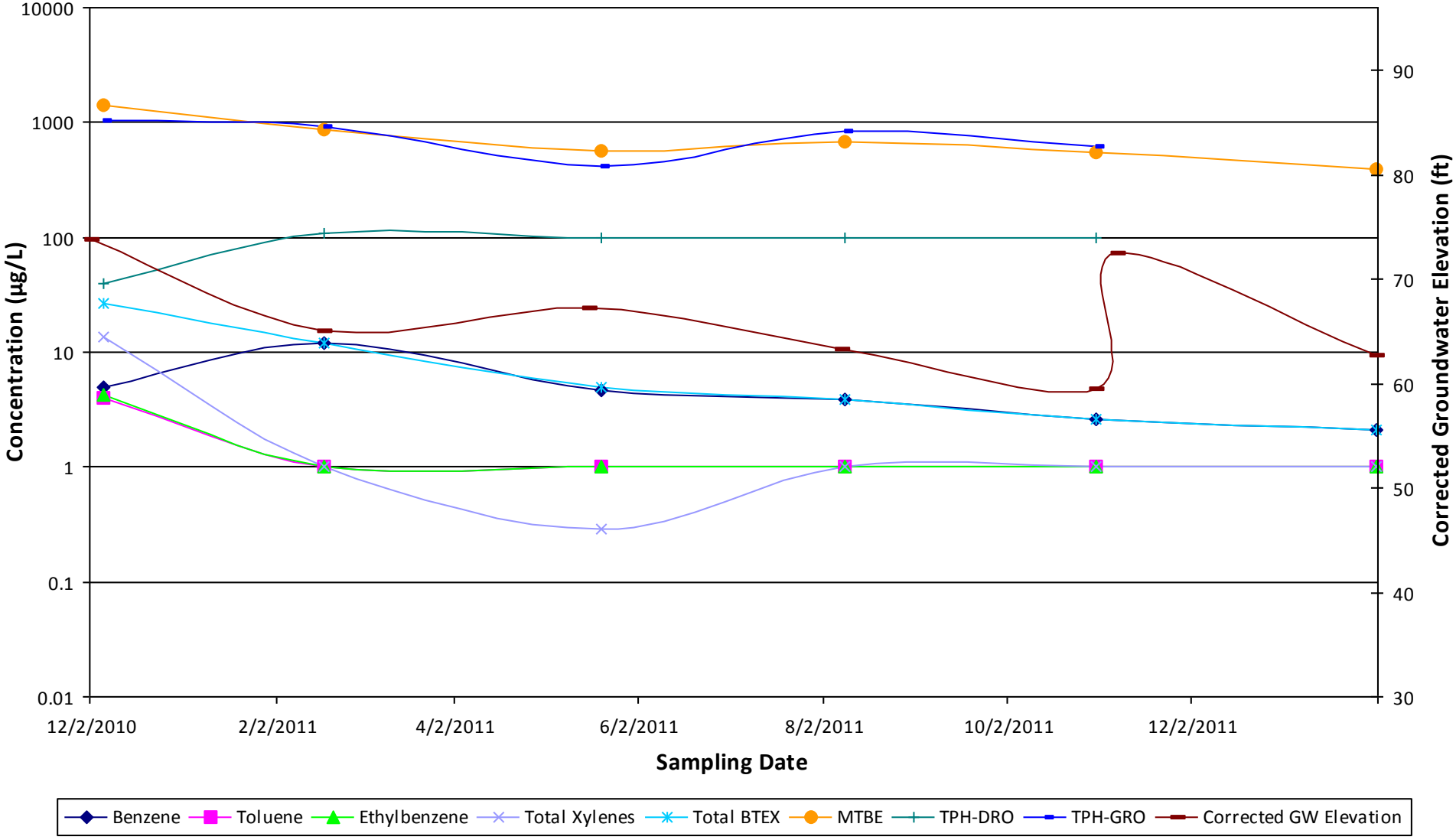

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-03
Concentration (µg/L)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
1/6/2004
1/6/2005
1/6/2006
1/6/2007
1/6/2008
1/6/2009
1/6/2010
1/6/2011
1/6/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

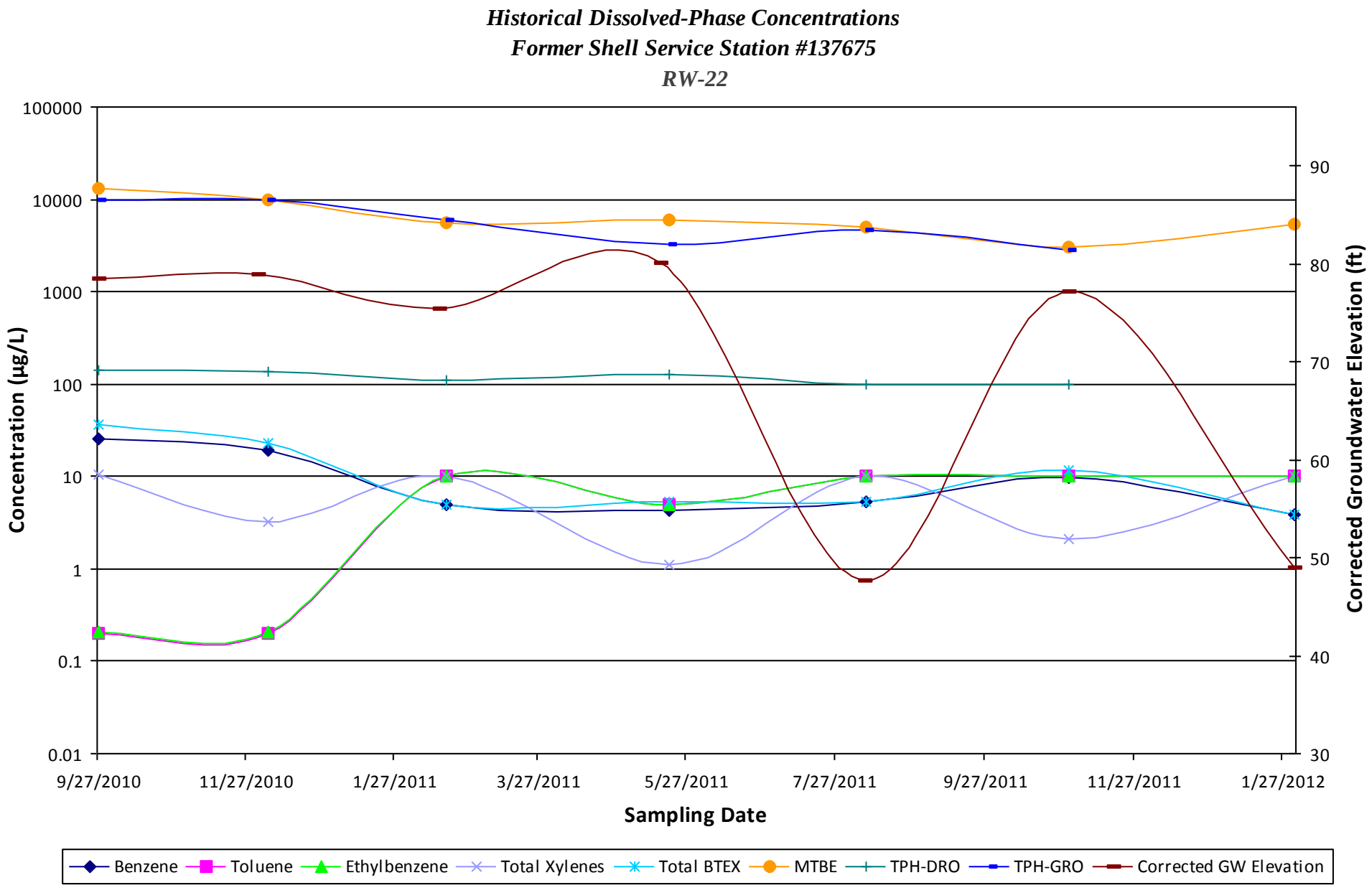

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-10
Concentration (µg/L)
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
4/5/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

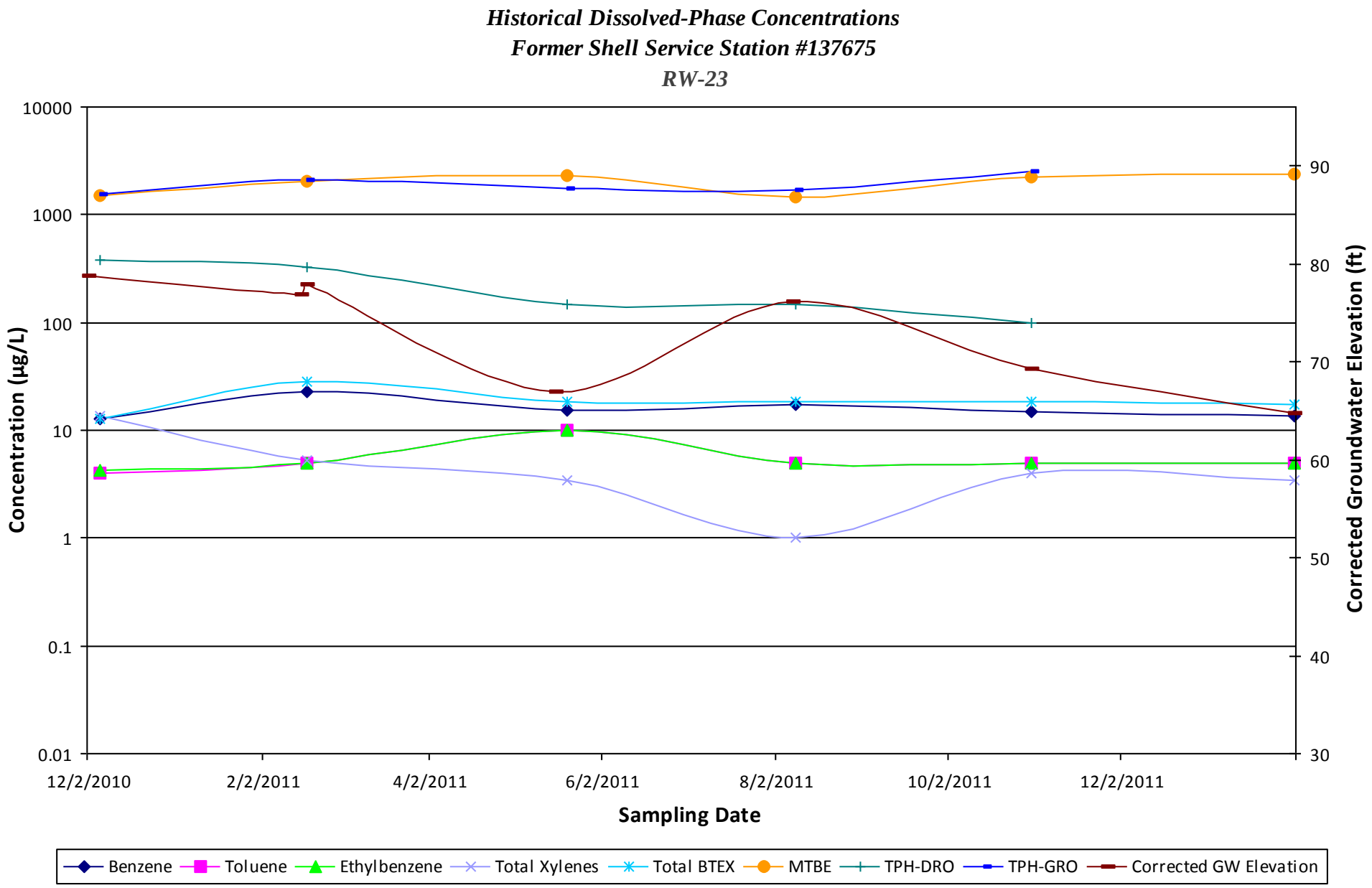

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-19
Concentration (µg/L)
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
9/27/2010
11/27/2010
1/27/2011
3/27/2011
5/27/2011
7/27/2011
9/27/2011
11/27/2011
1/27/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

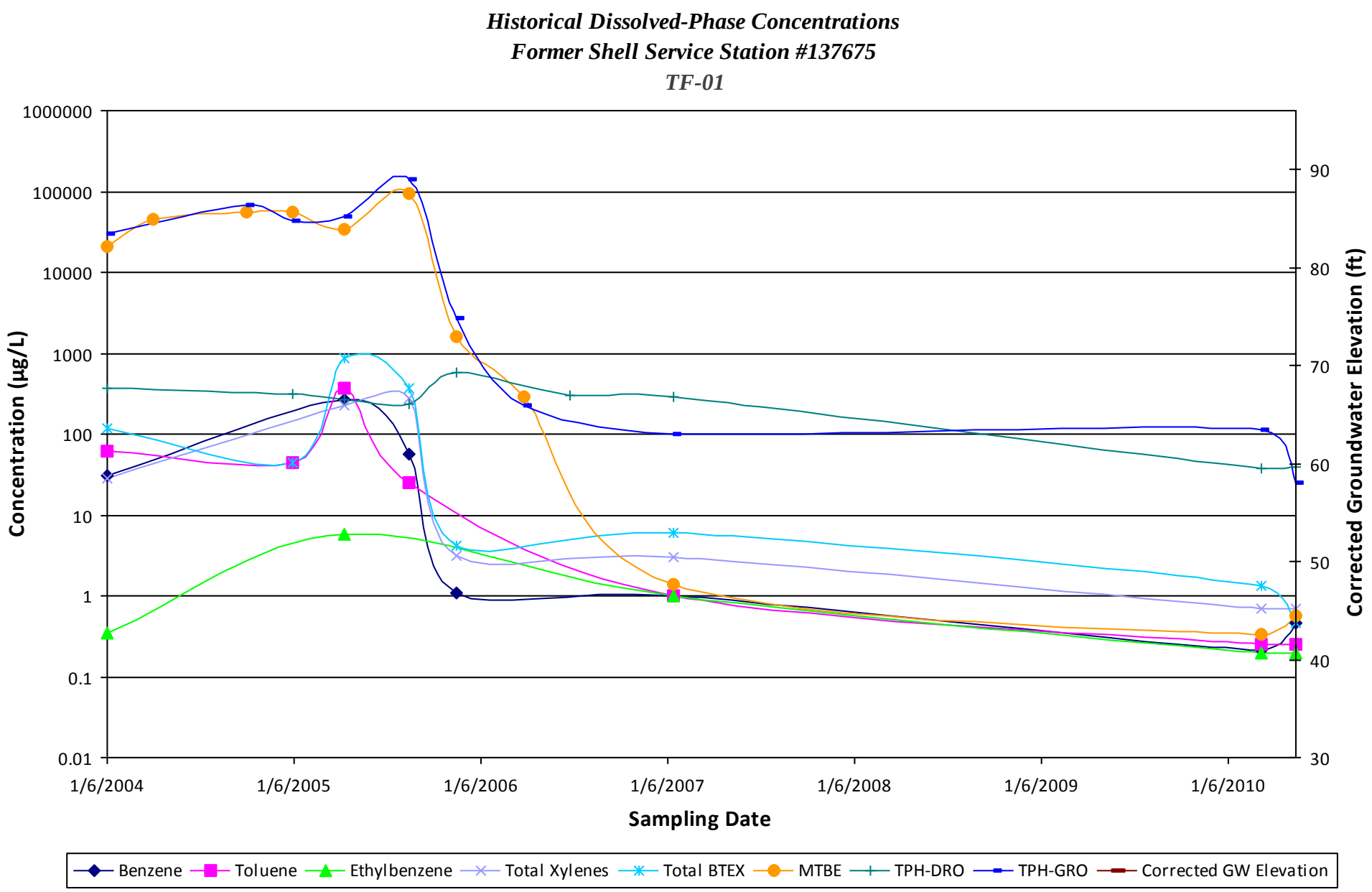

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-20
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

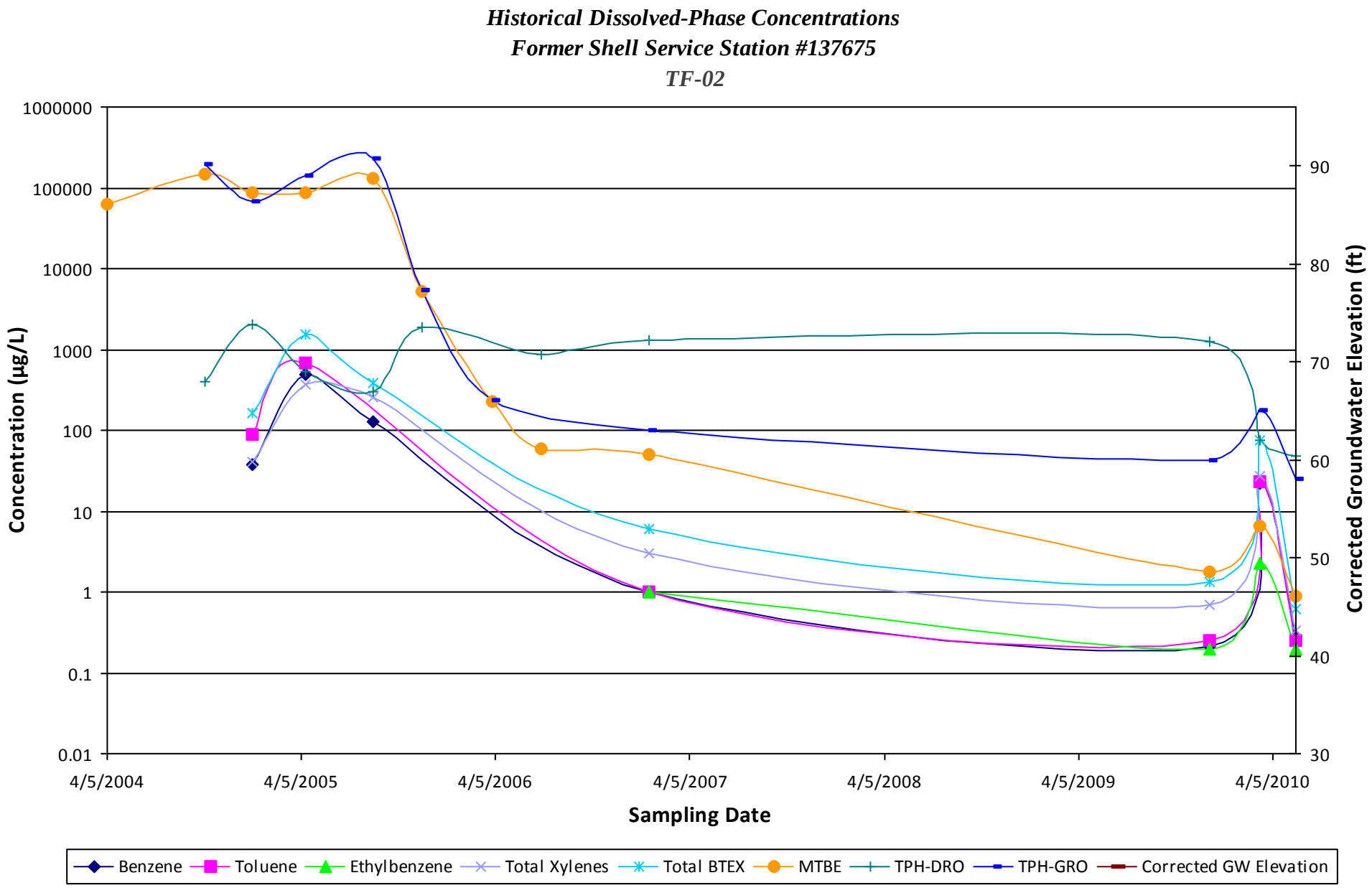
Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-21



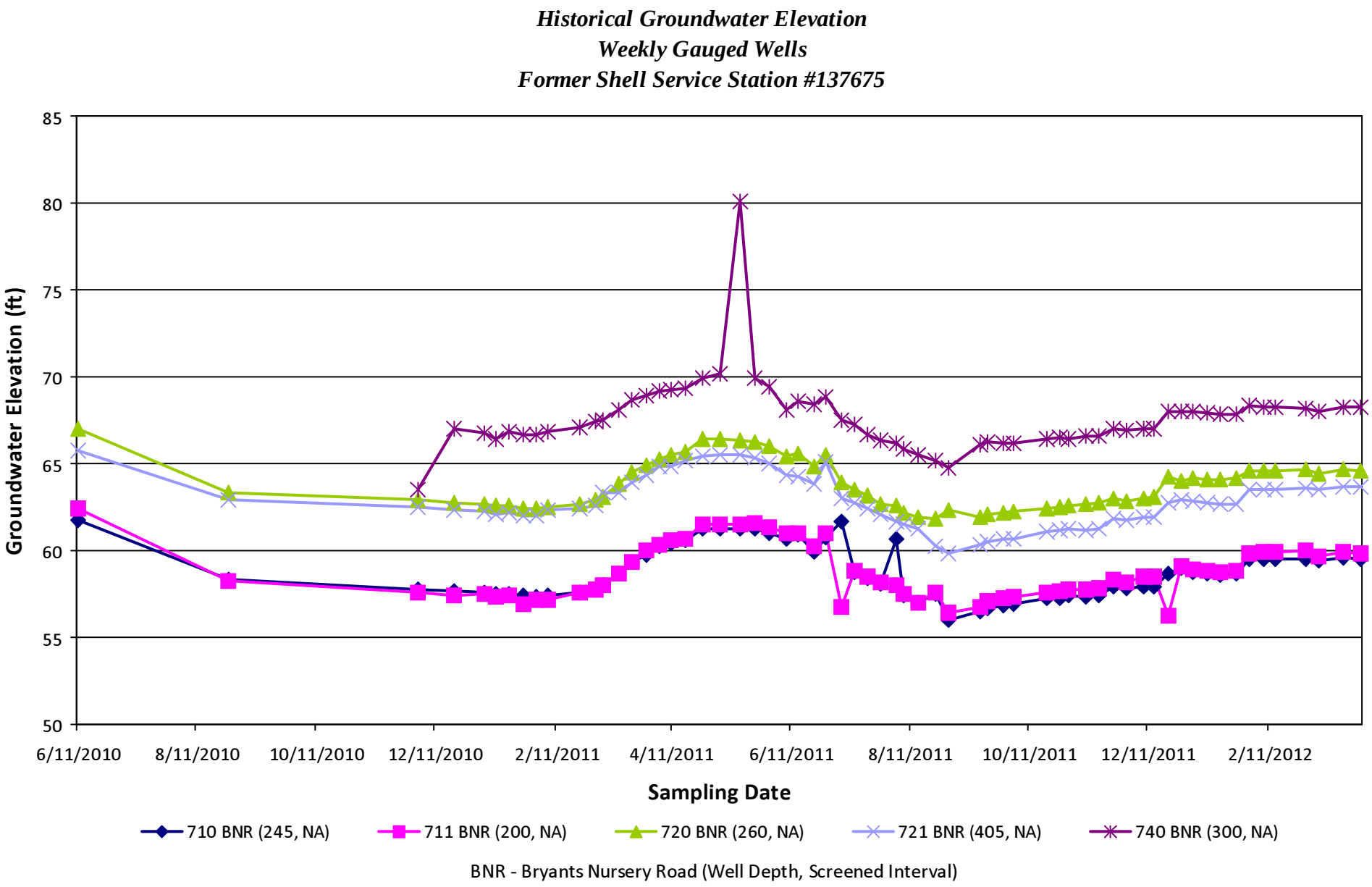

Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-22
Concentration (µg/L)
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
9/27/2010
11/27/2010
1/27/2011
3/27/2011
5/27/2011
7/27/2011
9/27/2011
11/27/2011
1/27/2012
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
RW-23
Concentration (µg/L)
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
12/2/2010
2/2/2011
4/2/2011
6/2/2011
8/2/2011
10/2/2011
12/2/2011
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
TF-01
Concentration (µg/L)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
1/6/2004
1/6/2005
1/6/2006
1/6/2007
1/6/2008
1/6/2009
1/6/2010
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation


Historical Dissolved-Phase Concentrations
Former Shell Service Station #137675
TF-02
Concentration (µg/L)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Corrected Groundwater Elevation (ft)
90
80
70
60
50
40
30
4/5/2004
4/5/2005
4/5/2006
4/5/2007
4/5/2008
4/5/2009
4/5/2010
Sampling Date
Benzene
Toluene
Ethylbenzene
Total Xylenes
Total BTEX
MTBE
TPH-DRO
TPH-GRO
Corrected GW Elevation

Appendix B
Groundwater Elevation Trends - Weekly Gauged Wells


Historical Groundwater Elevation
Weekly Gauged Wells
Former Shell Service Station #137675
Groundwater Elevation (ft)
85
80
75
70
65
60
55
50
6/11/2010
8/11/2010
10/11/2010
12/11/2010
2/11/2011
4/11/2011
6/11/2011
8/11/2011
10/11/2011
12/11/2011
2/11/2012
Sampling Date
710 BNR (245, NA)
711 BNR (200, NA)
720 BNR (260, NA)
721 BNR (405, NA)
740 BNR (300, NA)
BNR - Bryants Nursery Road (Well Depth, Screened Interval)

Appendix C
Groundwater and Potable Laboratory Analytical Reports

New Jersey
ACCUTEST LABORATORIES

02/13/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

INC#98997544

Accutest Job Number: JA98431

Sampling Date: 02/01/12

Report to:

URS Corporation
12420 Milestone Center Drive Suite 150
Germantown, MD 20876
jenna_anthony@urscorp.com; adriane_rogers@urscorp.com

ATTN: Jenna Anthony

Total number of pages in report: **197**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

-1-

Section 1: Sample Summary **4**
Section 2: Case Narrative/Conformance Summary **6**
Section 3: Sample Results **12**
3.1: JA98431-1: 137530-MW-13 13
3.2: JA98431-2: 137530-MW-15 20
3.3: JA98431-3: 137530-MW-18 27
3.4: JA98431-4: 137530-MW-19 34
3.5: JA98431-5: 137530-MW-21 41
3.6: JA98431-6: 137530-MW-22 48
3.7: JA98431-7: 137530-MW-23 55
3.8: JA98431-8: 137530-MW-24 62
3.9: JA98431-9: 137530-MW-25 69
3.10: JA98431-10: 137530-MW-26 76
3.11: JA98431-11: 137530-MW-27 83
3.12: JA98431-12: 137530-MW-28 90
3.13: JA98431-13: 137530-MW-29 97
3.14: JA98431-14: 137530-MW-30 104
3.15: JA98431-15: 137530-MW-31 111
Section 4: Misc. Forms **118**
4.1: Chain of Custody 119
Section 5: GC/MS Volatiles - QC Data Summaries **123**
5.1: Method Blank Summary 124
5.2: Blank Spike Summary 133
5.3: Matrix Spike Summary 142
5.4: Matrix Spike/Matrix Spike Duplicate Summary 145
5.5: Duplicate Summary 151
5.6: Instrument Performance Checks (BFB) 154
5.7: Surrogate Recovery Summaries 158
Section 6: GC Volatiles - QC Data Summaries **159**
6.1: Method Blank Summary 160
6.2: Blank Spike Summary 168
6.3: Matrix Spike/Matrix Spike Duplicate Summary 172
6.4: Surrogate Recovery Summaries 176
Section 7: GC Semi-volatiles - QC Data Summaries **178**
7.1: Method Blank Summary 179
7.2: Blank Spike Summary 180
7.3: Matrix Spike/Matrix Spike Duplicate Summary 181
7.4: Surrogate Recovery Summaries 182
Section 8: Metals Analysis - QC Data Summaries **183**
8.1: Prep QC MP62576: Fe 184
Section 9: General Chemistry - QC Data Summaries **194**
9.1: Method Blank and Spike Results Summary 195

Table of Contents

-2-

9.2: Duplicate Results Summary 196
9.3: Matrix Spike Results Summary 197

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98431

URSMDG:SS#137530, 400 Compass Road, Baltimore, MD
Project No: INC#98997544

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98431-1	02/01/12	10:25	NT	02/02/12	AQ	Ground Water	137530-MW-13
JA98431-2	02/01/12	13:00	NT	02/02/12	AQ	Ground Water	137530-MW-15
JA98431-3	02/01/12	09:45	NT	02/02/12	AQ	Ground Water	137530-MW-18
JA98431-4	02/01/12	12:20	NT	02/02/12	AQ	Ground Water	137530-MW-19
JA98431-5	02/01/12	14:00	NT	02/02/12	AQ	Ground Water	137530-MW-21
JA98431-6	02/01/12	13:30	NT	02/02/12	AQ	Ground Water	137530-MW-22
JA98431-7	02/01/12	12:00	NT	02/02/12	AQ	Ground Water	137530-MW-23
JA98431-8	02/01/12	10:15	NT	02/02/12	AQ	Ground Water	137530-MW-24
JA98431-9	02/01/12	10:00	NT	02/02/12	AQ	Ground Water	137530-MW-25
JA98431-10	02/01/12	11:00	NT	02/02/12	AQ	Ground Water	137530-MW-26
JA98431-11	02/01/12	13:15	NT	02/02/12	AQ	Ground Water	137530-MW-27
JA98431-12	02/01/12	11:42	NT	02/02/12	AQ	Ground Water	137530-MW-28
JA98431-13	02/01/12	11:15	NT	02/02/12	AQ	Ground Water	137530-MW-29

Accutest Laboratories

Sample Summary
(continued)

Shell Oil Products US

Job No: JA98431

URSMDG:SS#137530, 400 Compass Road, Baltimore, MD
Project No: INC#98997544

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98431-14	02/01/12	09:10	NT	02/02/12	AQ	Ground Water	137530-MW-30
JA98431-15	02/01/12	09:30	NT	02/02/12	AQ	Ground Water	137530-MW-31

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98431
Site:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD	**Report Date**	2/13/2012 6:32:56 PM

On 02/02/2012, 15 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98431 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V3A4416

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98257-10MS, JA98257-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V3A4419

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-4MS, JA98431-4MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V3A4420

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98431-3MS, JA98431-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Benzene, Ethylbenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike /Matrix Spike Duplicate Recovery(s) for m,p-Xylene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for Bromomethane are outside control limits for sample JA98431-3MSD. Outside control limits due to matrix interference.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GLM2093

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-5MS, JA98431-5MSD were used as the QC samples indicated.
- JA98431-5: Sample re-analyzed for further dilution.

Matrix: AQ **Batch ID:** GLM2096

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98431-11MS, JA98431-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA98431-11MS/MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: AQ **Batch ID:** GLM2097

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-7MS, JA98545-7MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GUV3768

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98146-14MS, JA98146-14MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP54634

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1MS, JA98431-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP62576

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98327-1MSD, JA98327-1SDL, JA98327-1MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP62920

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-11MS, JA98431-1DUP, JA98431-1MS were used as the QC samples for Sulfate.

Wet Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ	**Batch ID:** GP62883

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98490-1DUP, JA98490-1MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ	**Batch ID:** GP62945

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-11MS, JA98431-8DUP, JA98431-8MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- Matrix Spike Recovery(s) for Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference.

Wet Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ **Batch ID:** R106904

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106905

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106917

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106918

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106919

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-6 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106920

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-5 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106921

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-7 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106922

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-8 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106923

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-9 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106924

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-10 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106925

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-11 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106926

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-12 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106927

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-13 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106928

- The data for EPA353.2/SM4500NO2B meets quality control requirements.

Wet Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ	**Batch ID:** R106928

- JA98431-14 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ	**Batch ID:** R106929

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98431-15 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM19 4500NO2B

Matrix: AQ	**Batch ID:** GN61210

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98424-5DUP, JA98424-5MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM20 2320B

Matrix: AQ	**Batch ID:** GN61645

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM20 3500FEB

Matrix: AQ	**Batch ID:** GN61295

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-8DUP were used as the QC samples for Iron, Ferrous.
- JA98431-12 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-2 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-3 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-4 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-5 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-6 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-7 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-13 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-15 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-14 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-11 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-10 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-8 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98431-9 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM20 4500S2 F

Matrix: AQ	**Batch ID:** GN61417

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP, JA98431-2MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SM20 5210B

Matrix: AQ	**Batch ID:** GP62804

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98432-1DUP were used as the QC samples for BOD, 5 Day.

Wet Chemistry By Method SM20 5220C,HACH 8000

Matrix: AQ	**Batch ID:** GP62922

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP, JA98431-1MS were used as the QC samples for Chemical Oxygen Demand.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102914.D	1	02/05/12	JV	n/a	n/a	V3A4419
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	75.9	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.45	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	5.9	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	48.6	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	2.5	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.4	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	7.5	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	6.0	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	23.4	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	45.9	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	12.6	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	110	1.0	0.32	ug/l	
95-47-6	o-Xylene	7.2	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	117	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	104%		79-120%
460-00-4	4-Bromofluorobenzene	96%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95352.D	1	02/06/12	XPL	n/a	n/a	GUV3768
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.972	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	79%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42652.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.275	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		34-131%
16416-32-3	Tetracosane-d50	94%		15-119%
438-22-2	5a-Androstane	74%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	26300	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-13		
Lab Sample ID:	JA98431-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	91.1	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 7.2	7.2	mg/l	1	02/02/12 19:13	LS	SM20 5210B
Chemical Oxygen Demand	26.6	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	5.9	1.0	mg/l	5	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/06/12 21:04	CW	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/06/12 21:04	CW	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:11	ML	SM19 4500NO2B
Sulfate	38.3	10	mg/l	1	02/08/12 19:35	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102912.D	2.5	02/05/12	JV	n/a	n/a	V3A4419
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	19	ug/l	
71-43-2	Benzene	280	2.5	0.55	ug/l	
108-86-1	Bromobenzene	ND	13	0.46	ug/l	
74-97-5	Bromochloromethane	ND	13	0.99	ug/l	
75-27-4	Bromodichloromethane	ND	2.5	0.57	ug/l	
75-25-2	Bromoform	ND	10	0.61	ug/l	
74-83-9	Bromomethane	ND	5.0	0.79	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	7.3	ug/l	
104-51-8	n-Butylbenzene	ND	13	0.83	ug/l	
135-98-8	sec-Butylbenzene	2.7	13	0.50	ug/l	J
98-06-6	tert-Butylbenzene	ND	13	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	2.5	0.49	ug/l	
108-90-7	Chlorobenzene	ND	2.5	0.56	ug/l	
75-00-3	Chloroethane	ND	2.5	0.92	ug/l	
67-66-3	Chloroform	ND	2.5	0.52	ug/l	
74-87-3	Chloromethane	ND	2.5	0.55	ug/l	
95-49-8	o-Chlorotoluene	ND	13	0.47	ug/l	
106-43-4	p-Chlorotoluene	ND	13	0.48	ug/l	
108-20-3	Di-Isopropyl ether	40.6	13	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	3.2	ug/l	
124-48-1	Dibromochloromethane	ND	2.5	0.51	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	0.52	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.46	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.72	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.64	ug/l	
75-71-8	Dichlorodifluoromethane	ND	13	0.78	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.5	0.48	ug/l	
107-06-2	1,2-Dichloroethane	2.0	2.5	0.45	ug/l	J
75-35-4	1,1-Dichloroethene	ND	2.5	0.70	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.78	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.5	0.54	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	13	0.48	ug/l	
594-20-7	2,2-Dichloropropane	ND	13	0.65	ug/l	
563-58-6	1,1-Dichloropropene	ND	13	0.90	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.54	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.46	ug/l	
100-41-4	Ethylbenzene	56.9	2.5	0.53	ug/l	
87-68-3	Hexachlorobutadiene	ND	13	0.58	ug/l	
98-82-8	Isopropylbenzene	11.8	5.0	0.49	ug/l	
99-87-6	p-Isopropyltoluene	ND	13	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	33.6	2.5	0.46	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	13	3.0	ug/l	
74-95-3	Methylene bromide	ND	13	1.1	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.51	ug/l	
91-20-3	Naphthalene	24.8	13	1.7	ug/l	
103-65-1	n-Propylbenzene	19.0	13	0.44	ug/l	
100-42-5	Styrene	ND	13	0.57	ug/l	
75-65-0	Tert Butyl Alcohol	ND	63	4.6	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	13	0.82	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	13	0.51	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	13	0.61	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.5	0.80	ug/l	
108-88-3	Toluene	232	2.5	0.36	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	13	1.7	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	13	0.37	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.59	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.58	ug/l	
79-01-6	Trichloroethene	ND	2.5	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	13	0.88	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	13	1.3	ug/l	
95-63-6	1,2,4-Trimethylbenzene	36.5	5.0	0.45	ug/l	
108-67-8	1,3,5-Trimethylbenzene	8.9	5.0	0.56	ug/l	
75-01-4	Vinyl chloride	ND	2.5	0.67	ug/l	
	m,p-Xylene	233	2.5	0.80	ug/l	
95-47-6	o-Xylene	63.1	2.5	0.43	ug/l	
1330-20-7	Xylene (total)	296	2.5	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	103%		79-120%
460-00-4	4-Bromofluorobenzene	92%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51980.D	1	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.22	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42653.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.581	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		34-131%
16416-32-3	Tetracosane-d50	106%		15-119%
438-22-2	5a-Androstane	84%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	55000	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-15		
Lab Sample ID:	JA98431-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	154	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	14.1	5.0	mg/l	1	02/02/12 19:17	LS	SM20 5210B
Chemical Oxygen Demand	79.8	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	10.5	2.0	mg/l	10	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/06/12 21:05	CW	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/06/12 21:05	CW	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:11	ML	SM19 4500NO2B
Sulfate	18.9	10	mg/l	1	02/08/12 19:59	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102931.D	10	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	76	ug/l	
71-43-2	Benzene	1280	10	2.2	ug/l	
108-86-1	Bromobenzene	ND	50	1.8	ug/l	
74-97-5	Bromochloromethane	ND	50	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.3	ug/l	
75-25-2	Bromoform	ND	40	2.4	ug/l	
74-83-9	Bromomethane	ND	20	3.1	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	29	ug/l	
104-51-8	n-Butylbenzene	ND	50	3.3	ug/l	
135-98-8	sec-Butylbenzene	10.4	50	2.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	50	2.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	1.9	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
74-87-3	Chloromethane	ND	10	2.2	ug/l	
95-49-8	o-Chlorotoluene	ND	50	1.9	ug/l	
106-43-4	p-Chlorotoluene	ND	50	1.9	ug/l	
108-20-3	Di-Isopropyl ether	79.6	50	2.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	13	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	2.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	1.8	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	2.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.6	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	3.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	1.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	1.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	2.8	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	3.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	50	1.9	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	2.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	3.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	1.9	ug/l	
100-41-4	Ethylbenzene	1440	10	2.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	2.3	ug/l	
98-82-8	Isopropylbenzene	64.2	20	1.9	ug/l	
99-87-6	p-Isopropyltoluene	4.7	50	1.9	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	84.2	10	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	12	ug/l	
74-95-3	Methylene bromide	ND	50	4.6	ug/l	
75-09-2	Methylene chloride	ND	20	2.0	ug/l	
91-20-3	Naphthalene	290	50	6.8	ug/l	
103-65-1	n-Propylbenzene	200	50	1.7	ug/l	
100-42-5	Styrene	ND	50	2.3	ug/l	
75-65-0	Tert Butyl Alcohol	ND	250	19	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	50	3.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	50	2.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	10	3.2	ug/l	
108-88-3	Toluene	225	10	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	6.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	3.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	50	5.4	ug/l	
95-63-6	1,2,4-Trimethylbenzene	960	20	1.8	ug/l	
108-67-8	1,3,5-Trimethylbenzene	56.8	20	2.3	ug/l	
75-01-4	Vinyl chloride	ND	10	2.7	ug/l	
	m,p-Xylene	1900	10	3.2	ug/l	
95-47-6	o-Xylene	54.2	10	1.7	ug/l	
1330-20-7	Xylene (total)	1960	10	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		70-127%
2037-26-5	Toluene-D8	103%		79-120%
460-00-4	4-Bromofluorobenzene	94%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51906.D	1	02/06/12	XPL	n/a	n/a	GLM2093
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	21.2	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	108%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42656.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2.71	0.10	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		34-131%
16416-32-3	Tetracosane-d50	99%		15-119%
438-22-2	5a-Androstane	78%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	83800	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-18		
Lab Sample ID:	JA98431-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	117	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	27.3	5.0	mg/l	1	02/02/12 19:20	LS	SM20 5210B
Chemical Oxygen Demand	79.8	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	13.8	2.0	mg/l	10	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:43	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:43	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 20:22	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102939.D	1	02/06/12	JV	n/a	n/a	V3A4420
Run #2	3A102904.D	5	02/04/12	JV	n/a	n/a	V3A4419

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.8	10	7.6	ug/l	
71-43-2	Benzene	283 [a]	5.0	1.1	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	12.6	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	6.4	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	0.25	5.0	0.24	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	7.3	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	45.1	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	39.5	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.0	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	52.5	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	82.4	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	35.3	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	8.7	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.6	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	209	1.0	0.32	ug/l	
95-47-6	o-Xylene	7.8	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	217	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	90%	77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	93%	70-127%
2037-26-5	Toluene-D8	103%	104%	79-120%
460-00-4	4-Bromofluorobenzene	92%	92%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52004.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.65	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42657.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.946	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		34-131%
16416-32-3	Tetracosane-d50	104%		15-119%
438-22-2	5a-Androstane	82%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	50300	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-19		
Lab Sample ID:	JA98431-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	221	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	29.5	5.0	mg/l	1	02/02/12 19:24	LS	SM20 5210B
Chemical Oxygen Demand	63.8	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	6.3	1.0	mg/l	5	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:44	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:44	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 20:46	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102932.D	100	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	760	ug/l	
71-43-2	Benzene	10200	100	22	ug/l	
108-86-1	Bromobenzene	ND	500	18	ug/l	
74-97-5	Bromochloromethane	ND	500	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	23	ug/l	
75-25-2	Bromoform	ND	400	24	ug/l	
74-83-9	Bromomethane	ND	200	31	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	290	ug/l	
104-51-8	n-Butylbenzene	ND	500	33	ug/l	
135-98-8	sec-Butylbenzene	ND	500	20	ug/l	
98-06-6	tert-Butylbenzene	ND	500	24	ug/l	
56-23-5	Carbon tetrachloride	ND	100	19	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
74-87-3	Chloromethane	ND	100	22	ug/l	
95-49-8	o-Chlorotoluene	ND	500	19	ug/l	
106-43-4	p-Chlorotoluene	ND	500	19	ug/l	
108-20-3	Di-Isopropyl ether	818	500	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	130	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
106-93-4	1,2-Dibromoethane	ND	200	21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	100	18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	100	29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	100	26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	31	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	19	ug/l	
107-06-2	1,2-Dichloroethane	58.3	100	18	ug/l	J
75-35-4	1,1-Dichloroethene	ND	100	28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	31	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	500	19	ug/l	
594-20-7	2,2-Dichloropropane	ND	500	26	ug/l	
563-58-6	1,1-Dichloropropene	ND	500	36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	19	ug/l	
100-41-4	Ethylbenzene	3030	100	21	ug/l	
87-68-3	Hexachlorobutadiene	ND	500	23	ug/l	
98-82-8	Isopropylbenzene	81.8	200	19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	500	19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	269	100	18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	120	ug/l	
74-95-3	Methylene bromide	ND	500	46	ug/l	
75-09-2	Methylene chloride	ND	200	20	ug/l	
91-20-3	Naphthalene	365	500	68	ug/l	J
103-65-1	n-Propylbenzene	249	500	17	ug/l	J
100-42-5	Styrene	ND	500	23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	2500	190	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	500	33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	500	20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	20	ug/l	
127-18-4	Tetrachloroethene	ND	100	32	ug/l	
108-88-3	Toluene	12500	100	15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	21	ug/l	
75-69-4	Trichlorofluoromethane	ND	500	35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	500	54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1890	200	18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	524	200	23	ug/l	
75-01-4	Vinyl chloride	ND	100	27	ug/l	
	m,p-Xylene	10500	100	32	ug/l	
95-47-6	o-Xylene	4250	100	17	ug/l	
1330-20-7	Xylene (total)	14700	100	17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	104%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	LM51908.D	1	02/06/12	XPL	n/a	n/a	GLM2093
Run #2	LM51914.D	10	02/06/12	XPL	n/a	n/a	GLM2093

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	121 [b]	2.0	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	114%	95%	68-114%

(a) Sample re-analyzed for further dilution.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42658.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	6.80	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		34-131%
16416-32-3	Tetracosane-d50	96%		15-119%
438-22-2	5a-Androstane	75%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	120000	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-21		
Lab Sample ID:	JA98431-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	171	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	58.5	5.0	mg/l	1	02/02/12 19:28	LS	SM20 5210B
Chemical Oxygen Demand	149	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	86.2	5.0	mg/l	25	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:45	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:45	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 21:10	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102933.D	10	02/06/12	JV	n/a	n/a	V3A4420
Run #2	3A102906.D	50	02/05/12	JV	n/a	n/a	V3A4419

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	76	ug/l	
71-43-2	Benzene	1750	10	2.2	ug/l	
108-86-1	Bromobenzene	ND	50	1.8	ug/l	
74-97-5	Bromochloromethane	ND	50	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.3	ug/l	
75-25-2	Bromoform	ND	40	2.4	ug/l	
74-83-9	Bromomethane	ND	20	3.1	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	29	ug/l	
104-51-8	n-Butylbenzene	ND	50	3.3	ug/l	
135-98-8	sec-Butylbenzene	16.2	50	2.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	50	2.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	1.9	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
74-87-3	Chloromethane	ND	10	2.2	ug/l	
95-49-8	o-Chlorotoluene	ND	50	1.9	ug/l	
106-43-4	p-Chlorotoluene	ND	50	1.9	ug/l	
108-20-3	Di-Isopropyl ether	155	50	2.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	13	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	2.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	1.8	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	2.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.6	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	3.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	1.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	1.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	2.8	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	3.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	50	1.9	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	2.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	3.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	1.9	ug/l	
100-41-4	Ethylbenzene	2760 [a]	50	11	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	2.3	ug/l	
98-82-8	Isopropylbenzene	106	20	1.9	ug/l	
99-87-6	p-Isopropyltoluene	5.4	50	1.9	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	78.9	10	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	12	ug/l	
74-95-3	Methylene bromide	ND	50	4.6	ug/l	
75-09-2	Methylene chloride	ND	20	2.0	ug/l	
91-20-3	Naphthalene	515	50	6.8	ug/l	
103-65-1	n-Propylbenzene	343	50	1.7	ug/l	
100-42-5	Styrene	ND	50	2.3	ug/l	
75-65-0	Tert Butyl Alcohol	ND	250	19	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	50	3.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	50	2.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	10	3.2	ug/l	
108-88-3	Toluene	290	10	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	6.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	3.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	50	5.4	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1910	20	1.8	ug/l	
108-67-8	1,3,5-Trimethylbenzene	231	20	2.3	ug/l	
75-01-4	Vinyl chloride	ND	10	2.7	ug/l	
	m,p-Xylene	3420	10	3.2	ug/l	
95-47-6	o-Xylene	71.6	10	1.7	ug/l	
1330-20-7	Xylene (total)	3490	10	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	89%	77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%	92%	70-127%
2037-26-5	Toluene-D8	104%	105%	79-120%
460-00-4	4-Bromofluorobenzene	97%	94%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51981.D	2	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	27.0	0.40	0.033	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42659.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3.29	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	61%		34-131%
16416-32-3	Tetracosane-d50	76%		15-119%
438-22-2	5a-Androstane	60%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	101000	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-22		
Lab Sample ID:	JA98431-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	166	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	18.8	5.0	mg/l	1	02/02/12 19:32	LS	SM20 5210B
Chemical Oxygen Demand	61.2	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	15.8	5.0	mg/l	25	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:45	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:45	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 21:34	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102934.D	25	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	190	ug/l	
71-43-2	Benzene	779	25	5.5	ug/l	
108-86-1	Bromobenzene	ND	130	4.6	ug/l	
74-97-5	Bromochloromethane	ND	130	9.9	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.7	ug/l	
75-25-2	Bromoform	ND	100	6.1	ug/l	
74-83-9	Bromomethane	ND	50	7.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	73	ug/l	
104-51-8	n-Butylbenzene	ND	130	8.3	ug/l	
135-98-8	sec-Butylbenzene	11.5	130	5.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	130	5.9	ug/l	
56-23-5	Carbon tetrachloride	ND	25	4.9	ug/l	
108-90-7	Chlorobenzene	ND	25	5.6	ug/l	
75-00-3	Chloroethane	ND	25	9.2	ug/l	
67-66-3	Chloroform	ND	25	5.2	ug/l	
74-87-3	Chloromethane	ND	25	5.5	ug/l	
95-49-8	o-Chlorotoluene	ND	130	4.7	ug/l	
106-43-4	p-Chlorotoluene	ND	130	4.8	ug/l	
108-20-3	Di-Isopropyl ether	195	130	6.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	32	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	5.2	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	4.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	7.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	6.4	ug/l	
75-71-8	Dichlorodifluoromethane	ND	130	7.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	4.8	ug/l	
107-06-2	1,2-Dichloroethane	38.3	25	4.5	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	7.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	25	5.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	5.4	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	130	4.8	ug/l	
594-20-7	2,2-Dichloropropane	ND	130	6.5	ug/l	
563-58-6	1,1-Dichloropropene	ND	130	9.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	5.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	4.6	ug/l	
100-41-4	Ethylbenzene	2180	25	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	130	5.8	ug/l	
98-82-8	Isopropylbenzene	77.8	50	4.9	ug/l	
99-87-6	p-Isopropyltoluene	ND	130	4.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	100	25	4.6	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	30	ug/l	
74-95-3	Methylene bromide	ND	130	11	ug/l	
75-09-2	Methylene chloride	ND	50	5.1	ug/l	
91-20-3	Naphthalene	349	130	17	ug/l	
103-65-1	n-Propylbenzene	261	130	4.4	ug/l	
100-42-5	Styrene	ND	130	5.7	ug/l	
75-65-0	Tert Butyl Alcohol	ND	630	46	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	130	8.2	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	130	5.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	130	6.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	5.0	ug/l	
127-18-4	Tetrachloroethene	ND	25	8.0	ug/l	
108-88-3	Toluene	1840	25	3.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	130	17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	130	3.7	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	5.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	5.8	ug/l	
79-01-6	Trichloroethene	ND	25	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	130	8.8	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	130	13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1830	50	4.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	516	50	5.6	ug/l	
75-01-4	Vinyl chloride	ND	25	6.7	ug/l	
	m,p-Xylene	7000	25	8.0	ug/l	
95-47-6	o-Xylene	2840	25	4.3	ug/l	
1330-20-7	Xylene (total)	9840	25	4.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	92%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51982.D	10	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	49.9	2.0	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	94%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42660.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4.50	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		34-131%
16416-32-3	Tetracosane-d50	87%		15-119%
438-22-2	5a-Androstane	68%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	58000	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-23		
Lab Sample ID:	JA98431-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	84.4	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	29.3	5.0	mg/l	1	02/02/12 19:34	LS	SM20 5210B
Chemical Oxygen Demand	106	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	11.9	2.0	mg/l	10	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:48	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:48	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 21:58	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102930.D	1	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	2.2	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.30	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	1.2	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	3.9	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.33	2.0	0.23	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	1.7	1.0	0.32	ug/l	
95-47-6	o-Xylene	1.2	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	2.8	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51976.D	1	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42661.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		34-131%
16416-32-3	Tetracosane-d50	100%		15-119%
438-22-2	5a-Androstane	79%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3140	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-24		
Lab Sample ID:	JA98431-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	346	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 3.4	3.4	mg/l	1	02/02/12 19:37	LS	SM20 5210B
Chemical Oxygen Demand	23.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	< 0.20	0.20	mg/l	1	02/03/12 20:15	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:49	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:49	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	32.8	10	mg/l	1	02/08/12 22:22	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102935.D	50	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	380	ug/l	
71-43-2	Benzene	2020	50	11	ug/l	
108-86-1	Bromobenzene	ND	250	9.1	ug/l	
74-97-5	Bromochloromethane	ND	250	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	150	ug/l	
104-51-8	n-Butylbenzene	ND	250	17	ug/l	
135-98-8	sec-Butylbenzene	12.3	250	10	ug/l	J
98-06-6	tert-Butylbenzene	ND	250	12	ug/l	
56-23-5	Carbon tetrachloride	ND	50	9.7	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	50	18	ug/l	
67-66-3	Chloroform	ND	50	10	ug/l	
74-87-3	Chloromethane	ND	50	11	ug/l	
95-49-8	o-Chlorotoluene	ND	250	9.5	ug/l	
106-43-4	p-Chlorotoluene	ND	250	9.6	ug/l	
108-20-3	Di-Isopropyl ether	146	250	13	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	500	63	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	9.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	250	16	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	9.6	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	9.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	14	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	16	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	9.7	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	13	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	9.3	ug/l	
100-41-4	Ethylbenzene	2690	50	11	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	12	ug/l	
98-82-8	Isopropylbenzene	85.2	100	9.7	ug/l	J
99-87-6	p-Isopropyltoluene	ND	250	9.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	116	50	9.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	61	ug/l	
74-95-3	Methylene bromide	ND	250	23	ug/l	
75-09-2	Methylene chloride	ND	100	10	ug/l	
91-20-3	Naphthalene	469	250	34	ug/l	
103-65-1	n-Propylbenzene	247	250	8.7	ug/l	J
100-42-5	Styrene	ND	250	11	ug/l	
75-65-0	Tert Butyl Alcohol	ND	1300	93	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	250	16	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	250	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	10	ug/l	
127-18-4	Tetrachloroethene	ND	50	16	ug/l	
108-88-3	Toluene	6900	50	7.3	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	7.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	250	18	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	27	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2370	100	9.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	653	100	11	ug/l	
75-01-4	Vinyl chloride	ND	50	13	ug/l	
	m,p-Xylene	11700	50	16	ug/l	
95-47-6	o-Xylene	5000	50	8.7	ug/l	
1330-20-7	Xylene (total)	16700	50	8.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	103%		79-120%
460-00-4	4-Bromofluorobenzene	90%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51984.D	25	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	81.2	5.0	0.41	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42662.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	5.07	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		34-131%
16416-32-3	Tetracosane-d50	92%		15-119%
438-22-2	5a-Androstane	72%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	64500	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-25		
Lab Sample ID:	JA98431-9	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	122	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	38.4	5.0	mg/l	1	02/02/12 19:41	LS	SM20 5210B
Chemical Oxygen Demand	117	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	7.0	2.0	mg/l	10	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:50	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:50	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 22:46	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102937.D	50	02/06/12	JV	n/a	n/a	V3A4420
Run #2	3A102909.D	200	02/05/12	JV	n/a	n/a	V3A4419

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	380	ug/l	
71-43-2	Benzene	4800	50	11	ug/l	
108-86-1	Bromobenzene	ND	250	9.1	ug/l	
74-97-5	Bromochloromethane	ND	250	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	150	ug/l	
104-51-8	n-Butylbenzene	ND	250	17	ug/l	
135-98-8	sec-Butylbenzene	12.1	250	10	ug/l	J
98-06-6	tert-Butylbenzene	ND	250	12	ug/l	
56-23-5	Carbon tetrachloride	ND	50	9.7	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	50	18	ug/l	
67-66-3	Chloroform	ND	50	10	ug/l	
74-87-3	Chloromethane	ND	50	11	ug/l	
95-49-8	o-Chlorotoluene	ND	250	9.5	ug/l	
106-43-4	p-Chlorotoluene	ND	250	9.6	ug/l	
108-20-3	Di-Isopropyl ether	221	250	13	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	500	63	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	9.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	250	16	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	9.6	ug/l	
107-06-2	1,2-Dichloroethane	23.2	50	9.0	ug/l	J
75-35-4	1,1-Dichloroethene	ND	50	14	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	16	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	9.7	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	13	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	9.3	ug/l	
100-41-4	Ethylbenzene	3430	50	11	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	12	ug/l	
98-82-8	Isopropylbenzene	99.3	100	9.7	ug/l	J
99-87-6	p-Isopropyltoluene	ND	250	9.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	271	50	9.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	61	ug/l	
74-95-3	Methylene bromide	ND	250	23	ug/l	
75-09-2	Methylene chloride	ND	100	10	ug/l	
91-20-3	Naphthalene	445	250	34	ug/l	
103-65-1	n-Propylbenzene	310	250	8.7	ug/l	
100-42-5	Styrene	ND	250	11	ug/l	
75-65-0	Tert Butyl Alcohol	ND	1300	93	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	250	16	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	250	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	10	ug/l	
127-18-4	Tetrachloroethene	ND	50	16	ug/l	
108-88-3	Toluene	11600 [a]	200	29	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	7.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	250	18	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	27	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2230	100	9.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	608	100	11	ug/l	
75-01-4	Vinyl chloride	ND	50	13	ug/l	
	m,p-Xylene	11100	50	16	ug/l	
95-47-6	o-Xylene	4900	50	8.7	ug/l	
1330-20-7	Xylene (total)	16000	50	8.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	92%	77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	94%	70-127%
2037-26-5	Toluene-D8	107%	100%	79-120%
460-00-4	4-Bromofluorobenzene	91%	90%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51983.D	25	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	104	5.0	0.41	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42663.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	5.50	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	61%		34-131%
16416-32-3	Tetracosane-d50	83%		15-119%
438-22-2	5a-Androstane	65%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	115000	100	ug/l	1	02/03/12	02/06/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27905
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-26		
Lab Sample ID:	JA98431-10	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	287	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	58.7	5.0	mg/l	1	02/02/12 19:43	LS	SM20 5210B
Chemical Oxygen Demand	138	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	34.5	5.0	mg/l	25	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:50	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:50	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/08/12 23:10	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102872.D	1	02/04/12	JV	n/a	n/a	V3A4416
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	7.1	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.52	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	150	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	5.4	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	2.6	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.80	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	179	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	0.85	5.0	0.68	ug/l	J
103-65-1	n-Propylbenzene	0.61	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	32.5	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	2.2	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.22	1.0	0.15	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.3	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	2.0	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	2.2	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		70-127%
2037-26-5	Toluene-D8	103%		79-120%
460-00-4	4-Bromofluorobenzene	95%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51969.D	1	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.738	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	102%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42664.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.197	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		34-131%
16416-32-3	Tetracosane-d50	117%		15-119%
438-22-2	5a-Androstane	94%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	14500	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-27		
Lab Sample ID:	JA98431-11	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	41.3	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 5.0	5.0	mg/l	1	02/02/12 19:46	LS	SM20 5210B
Chemical Oxygen Demand	< 20	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	6.1	1.0	mg/l	5	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.24	0.11	mg/l	1	02/10/12 12:51	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.24	0.10	mg/l	1	02/10/12 12:51	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	51.4	10	mg/l	1	02/09/12 00:46	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102938.D	1	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.1	10	7.6	ug/l	J
71-43-2	Benzene	141	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	2.7	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	100	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	83.6	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	8.6	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	76.6	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	7.5	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	18.7	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	52.9	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	8.6	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.8	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.70	2.0	0.23	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	24.6	1.0	0.32	ug/l	
95-47-6	o-Xylene	2.8	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	27.5	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	105%		79-120%
460-00-4	4-Bromofluorobenzene	94%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51978.D	1	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.746	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42667.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.614	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		34-131%
16416-32-3	Tetracosane-d50	109%		15-119%
438-22-2	5a-Androstane	85%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	86400	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-28		
Lab Sample ID:	JA98431-12	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	103	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	11.1	5.0	mg/l	1	02/02/12 19:49	LS	SM20 5210B
Chemical Oxygen Demand	37.2	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	23.4	5.0	mg/l	25	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:52	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:52	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:19	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/09/12 01:10	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102916.D	1	02/05/12	JV	n/a	n/a	V3A4419
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	34.9	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.43	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	62.8	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	13.0	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.81	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	46.2	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	2.8	5.0	0.68	ug/l	J
103-65-1	n-Propylbenzene	1.8	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	11.9	25	1.9	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	1.5	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.7	2.0	0.18	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.27	2.0	0.23	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	6.9	1.0	0.32	ug/l	
95-47-6	o-Xylene	0.67	1.0	0.17	ug/l	J
1330-20-7	Xylene (total)	7.6	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51977.D	1	02/09/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.533	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	91%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42668.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.143	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		34-131%
16416-32-3	Tetracosane-d50	108%		15-119%
438-22-2	5a-Androstane	85%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	40500	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-29		
Lab Sample ID:	JA98431-13	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	69.9	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 5.0	5.0	mg/l	1	02/02/12 19:52	LS	SM20 5210B
Chemical Oxygen Demand	23.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	12.5	2.0	mg/l	10	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.12	0.11	mg/l	1	02/10/12 12:53	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.12	0.10	mg/l	1	02/10/12 12:53	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:21	ML	SM19 4500NO2B
Sulfate	27.6	10	mg/l	1	02/09/12 01:33	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102936.D	10	02/06/12	JV	n/a	n/a	V3A4420
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	76	ug/l	
71-43-2	Benzene	1560	10	2.2	ug/l	
108-86-1	Bromobenzene	ND	50	1.8	ug/l	
74-97-5	Bromochloromethane	ND	50	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.3	ug/l	
75-25-2	Bromoform	ND	40	2.4	ug/l	
74-83-9	Bromomethane	ND	20	3.1	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	29	ug/l	
104-51-8	n-Butylbenzene	ND	50	3.3	ug/l	
135-98-8	sec-Butylbenzene	4.6	50	2.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	50	2.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	1.9	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
74-87-3	Chloromethane	ND	10	2.2	ug/l	
95-49-8	o-Chlorotoluene	ND	50	1.9	ug/l	
106-43-4	p-Chlorotoluene	ND	50	1.9	ug/l	
108-20-3	Di-Isopropyl ether	134	50	2.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	13	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	2.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	1.8	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	2.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.6	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	3.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	1.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	1.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	2.8	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	3.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	50	1.9	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	2.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	3.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	1.9	ug/l	
100-41-4	Ethylbenzene	1500	10	2.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	2.3	ug/l	
98-82-8	Isopropylbenzene	48.8	20	1.9	ug/l	
99-87-6	p-Isopropyltoluene	2.0	50	1.9	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	110	10	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	12	ug/l	
74-95-3	Methylene bromide	ND	50	4.6	ug/l	
75-09-2	Methylene chloride	ND	20	2.0	ug/l	
91-20-3	Naphthalene	242	50	6.8	ug/l	
103-65-1	n-Propylbenzene	149	50	1.7	ug/l	
100-42-5	Styrene	ND	50	2.3	ug/l	
75-65-0	Tert Butyl Alcohol	ND	250	19	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	50	3.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	50	2.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	10	3.2	ug/l	
108-88-3	Toluene	315	10	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	6.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	3.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	50	5.4	ug/l	
95-63-6	1,2,4-Trimethylbenzene	956	20	1.8	ug/l	
108-67-8	1,3,5-Trimethylbenzene	210	20	2.3	ug/l	
75-01-4	Vinyl chloride	ND	10	2.7	ug/l	
	m,p-Xylene	3980	10	3.2	ug/l	
95-47-6	o-Xylene	491	10	1.7	ug/l	
1330-20-7	Xylene (total)	4470	10	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		70-127%
2037-26-5	Toluene-D8	104%		79-120%
460-00-4	4-Bromofluorobenzene	93%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51987.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	26.6	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42669.D	1	02/07/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2.01	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		34-131%
16416-32-3	Tetracosane-d50	102%		15-119%
438-22-2	5a-Androstane	80%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	58600	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-30		
Lab Sample ID:	JA98431-14	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	120	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	19.0	5.0	mg/l	1	02/02/12 19:55	LS	SM20 5210B
Chemical Oxygen Demand	55.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	11.6	2.0	mg/l	10	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.16	0.11	mg/l	1	02/10/12 12:54	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.16	0.10	mg/l	1	02/10/12 12:54	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:21	ML	SM19 4500NO2B
Sulfate	< 10	10	mg/l	1	02/09/12 01:57	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A102917.D	1	02/05/12	JV	n/a	n/a	V3A4419
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	9.2	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.31	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	14.9	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	12.9	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.86	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	33.6	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	1.4	5.0	0.68	ug/l	J
103-65-1	n-Propylbenzene	2.4	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	6.7	25	1.9	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	1.5	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	4.7	1.0	0.32	ug/l	
95-47-6	o-Xylene	0.22	1.0	0.17	ug/l	J
1330-20-7	Xylene (total)	4.9	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	92%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52003.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.347	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	91%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42670.D	1	02/07/12	CS	02/03/12	OP54634	G2Y1773
Run #2							

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.129	0.10	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		34-131%
16416-32-3	Tetracosane-d50	112%		15-119%
438-22-2	5a-Androstane	89%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	20300	100	ug/l	1	02/03/12	02/04/12	ND	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27903
(2) Prep QC Batch: MP62576

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-31		
Lab Sample ID:	JA98431-15	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	63.8	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 4.8	4.8	mg/l	1	02/02/12 19:58	LS	SM20 5210B
Chemical Oxygen Demand	23.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	12.3	2.0	mg/l	10	02/03/12 20:32	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:54	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:54	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/02/12 17:21	ML	SM19 4500NO2B
Sulfate	34.1	10	mg/l	1	02/09/12 02:21	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/07/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION) GW
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [ ] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor # See Dropdown

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 98997544 (137530)

SAP #: 137530

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2/1/12

PAGE: 1 of 3

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 400 COMPASS RD, BALTIMORE

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 3018203241

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 49207545(137530)

SAMPLER NAME(S) (Print): Nicole Torres, Cory Lawson

LAB USE ONLY: JA98431

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Accutest - Vendor#1392517

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	Full VOCs, Oxy 5 + Ethanol (Me	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	COD	BOD	Sulfide	Alkalinity, Ferrous Iron, Sulfate, NO3, NO2	Total Iron	Container PID Readings or Laboratory Notes
	~~137530 - MW-02A~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	48E
	~~137530 - MW-04~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	AMETS
	~~137530 - MW-05~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	48X
	~~137530 - MW-06~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	UC2
	~~137530 - MW-07~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	891
	~~137530 - MW-09~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	890
-1	137530 - MW-13	2/1	1025	GW	X	X	X	X	X	~~14~~ 15	X	X	X	X	X	X	X	X	
	~~137530 - MW-14~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
-2	137530 - MW-15	2/1	1300	GW	X	X	X	X	X	~~14~~ 15	X	X	X	X	X	X	X	X	
	~~137530 - MW-16~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	

ALL SAMPLES RECEIVED PRESERVED AS APPROPRIATE

THR 2/2/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Fed Ex	2/1/12	1555
Fed Ex	[signature]	2/2/12	930

TRK 8770 4677 0640 8770 4677 0651
#5: 0630 0673
0629
0662
0618

MV-1/24/12-13
Seal #s 892, 894, 896, 898, 900, 902, 904 re-dated THR 2/2/12

3.0°C IR 5.2°C
2.0°C IR 6.0°C
5.0°C IR 2.6°C
4.6°C IR

BL

09/2006 Revision

JA98431: Chain of Custody
Page 1 of 4

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
- [ ] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor # See Dropdown

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 98997544 (137530)

SAP #: 137530

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2/1/12

PAGE: 2 of 3

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

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State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 3018203241

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 49207545 (137530)

SAMPLER NAME(S) (Print):

LAB USE ONLY: JA98431

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Accutest - Vendor#1392517

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE EEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	Full VOCs, Oxy 5 + Ethanol (Me	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	COD	BOD	Sulfide	Alkalinity, Ferrous Iron, Sulfate, NO3, NO2	Total Iron
	~~137530 - MW-17~~			GW	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~14~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
3	137530 - MW-18	2/1	0945	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
4	137530 - MW-19	L	1220	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-20~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
5	137530 - MW-21	2/1	1400	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
6	137530 - MW-22	2/1	1336	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
7	137530 - MW-23		1200	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
8	137530 - MW-24		1015	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
9	137530 - MW-25		1000	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
10	137530 - MW-26		1100	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

TM 2/2/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	TM 2/2/12		
Fed Ex	Fed Ex		
Fed Ex		2/2/12	0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

4.1

4

JA98431: Chain of Custody
Page 2 of 4

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [ ] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor # See Dropdown

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- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 98997544 (137530)

SAP # 137530

[ ] CHECK IF NO INCIDENT # APPLIES

DATE 2/1/12

PAGE 3 of 3

SAMPLING COMPANY: URS CORPORATION

LOG CODE

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State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 3018203241

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 49207545(137530)

SAMPLER NAME(S) (Print):

LAB USE ONLY: JA98431

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Accutest - Vendor#1392517

- [x] SHELL CONTRACT RATE APPLIES
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REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT. 15	Full VOCs, Oxy 5 + Ethanol (Me	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	COD	BOD	Sulfide	Alkalinity, Ferrous Iron, Sulfate, NO3, NO2	Total Iron
-11	137530 - MW-27	2/1	1315	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
-12	137530 - MW-28		1142	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
-13	137530 - MW-29		1115	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
-14	137530 - MW-30		0910	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
-15	137530 - MW-31		0930	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X

TM 2/2/12

TM 2/2/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time
	Fed		
Fed		2/2/12	0930

09/20/06 Revision

4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98431 **Client:**

Date / Time Received: 2/2/2012 **Project:**

No. Coolers: 7 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:		
3. Cooler media:	Ice (Bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98431: Chain of Custody
Page 4 of 4

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-MB	3A102851.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-MB	3A102851.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-MB	3A102851.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	90%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-MB	3A102899.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-MB	3A102899.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-MB	3A102899.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	91%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-MB	3A102925.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-MB	3A102925.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-MB	3A102925.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	92%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-BS	3A102852.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	56.6	113	49-142
71-43-2	Benzene	50	49.0	98	76-119
108-86-1	Bromobenzene	50	45.4	91	77-123
74-97-5	Bromochloromethane	50	47.1	94	77-129
75-27-4	Bromodichloromethane	50	51.4	103	81-133
75-25-2	Bromoform	50	50.4	101	72-139
74-83-9	Bromomethane	50	49.3	99	55-140
78-93-3	2-Butanone (MEK)	50	50.4	101	64-132
104-51-8	n-Butylbenzene	50	46.5	93	74-130
135-98-8	sec-Butylbenzene	50	46.5	93	75-125
98-06-6	tert-Butylbenzene	50	48.8	98	76-127
56-23-5	Carbon tetrachloride	50	56.4	113	74-146
108-90-7	Chlorobenzene	50	50.3	101	79-120
75-00-3	Chloroethane	50	60.1	120	60-134
67-66-3	Chloroform	50	49.0	98	77-127
74-87-3	Chloromethane	50	62.6	125	50-128
95-49-8	o-Chlorotoluene	50	45.4	91	78-124
106-43-4	p-Chlorotoluene	50	45.7	91	75-120
108-20-3	Di-Isopropyl ether	50	49.3	99	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	51.5	103	64-137
124-48-1	Dibromochloromethane	50	50.0	100	77-131
106-93-4	1,2-Dibromoethane	50	48.6	97	76-127
95-50-1	1,2-Dichlorobenzene	50	48.1	96	78-123
541-73-1	1,3-Dichlorobenzene	50	47.2	94	77-124
106-46-7	1,4-Dichlorobenzene	50	46.2	92	76-121
75-71-8	Dichlorodifluoromethane	50	61.1	122	41-138
75-34-3	1,1-Dichloroethane	50	52.7	105	74-124
107-06-2	1,2-Dichloroethane	50	53.3	107	71-138
75-35-4	1,1-Dichloroethene	50	47.6	95	68-126
156-59-2	cis-1,2-Dichloroethene	50	46.2	92	78-131
156-60-5	trans-1,2-Dichloroethene	50	44.5	89	64-119
78-87-5	1,2-Dichloropropane	50	52.8	106	76-121
142-28-9	1,3-Dichloropropane	50	50.1	100	77-120
594-20-7	2,2-Dichloropropane	50	41.0	82	53-143
563-58-6	1,1-Dichloropropene	50	51.1	102	77-125
10061-01-5	cis-1,3-Dichloropropene	50	50.0	100	76-123

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-BS	3A102852.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	49.2	98	74-129
100-41-4	Ethylbenzene	50	48.8	98	77-119
87-68-3	Hexachlorobutadiene	50	49.9	100	66-137
98-82-8	Isopropylbenzene	50	45.9	92	74-125
99-87-6	p-Isopropyltoluene	50	47.5	95	78-128
1634-04-4	Methyl Tert Butyl Ether	100	93.0	93	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	53.1	106	68-131
74-95-3	Methylene bromide	50	49.7	99	79-129
75-09-2	Methylene chloride	50	47.6	95	73-122
91-20-3	Naphthalene	50	47.7	95	61-136
103-65-1	n-Propylbenzene	50	45.5	91	73-121
100-42-5	Styrene	50	47.7	95	77-121
75-65-0	Tert Butyl Alcohol	250	229	92	67-136
994-05-8	tert-Amyl Methyl Ether	50	48.9	98	69-125
637-92-3	tert-Butyl Ethyl Ether	50	50.1	100	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	46.2	92	70-121
127-18-4	Tetrachloroethene	50	46.2	92	64-148
108-88-3	Toluene	50	49.4	99	77-122
87-61-6	1,2,3-Trichlorobenzene	50	53.2	106	69-136
120-82-1	1,2,4-Trichlorobenzene	50	52.2	104	73-133
71-55-6	1,1,1-Trichloroethane	50	49.7	99	76-135
79-00-5	1,1,2-Trichloroethane	50	48.9	98	79-125
79-01-6	Trichloroethene	50	50.1	100	80-129
75-69-4	Trichlorofluoromethane	50	57.3	115	66-145
96-18-4	1,2,3-Trichloropropane	50	44.0	88	72-130
95-63-6	1,2,4-Trimethylbenzene	50	47.0	94	77-123
108-67-8	1,3,5-Trimethylbenzene	50	47.2	94	76-123
75-01-4	Vinyl chloride	50	57.4	115	56-133
	m,p-Xylene	100	96.6	97	77-121
95-47-6	o-Xylene	50	49.4	99	80-124
1330-20-7	Xylene (total)	150	146	97	78-121

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4416-BS	3A102852.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	94%	76-118%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-BS	3A102900.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	49.8	100	49-142
71-43-2	Benzene	50	49.7	99	76-119
108-86-1	Bromobenzene	50	45.1	90	77-123
74-97-5	Bromochloromethane	50	48.2	96	77-129
75-27-4	Bromodichloromethane	50	51.0	102	81-133
75-25-2	Bromoform	50	46.7	93	72-139
74-83-9	Bromomethane	50	67.6	135	55-140
78-93-3	2-Butanone (MEK)	50	50.2	100	64-132
104-51-8	n-Butylbenzene	50	45.9	92	74-130
135-98-8	sec-Butylbenzene	50	47.0	94	75-125
98-06-6	tert-Butylbenzene	50	49.4	99	76-127
56-23-5	Carbon tetrachloride	50	55.2	110	74-146
108-90-7	Chlorobenzene	50	48.9	98	79-120
75-00-3	Chloroethane	50	58.5	117	60-134
67-66-3	Chloroform	50	50.2	100	77-127
74-87-3	Chloromethane	50	62.3	125	50-128
95-49-8	o-Chlorotoluene	50	45.5	91	78-124
106-43-4	p-Chlorotoluene	50	44.8	90	75-120
108-20-3	Di-Isopropyl ether	50	49.0	98	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	49.3	99	64-137
124-48-1	Dibromochloromethane	50	48.1	96	77-131
106-93-4	1,2-Dibromoethane	50	47.1	94	76-127
95-50-1	1,2-Dichlorobenzene	50	47.8	96	78-123
541-73-1	1,3-Dichlorobenzene	50	46.5	93	77-124
106-46-7	1,4-Dichlorobenzene	50	45.5	91	76-121
75-71-8	Dichlorodifluoromethane	50	57.0	114	41-138
75-34-3	1,1-Dichloroethane	50	53.7	107	74-124
107-06-2	1,2-Dichloroethane	50	52.7	105	71-138
75-35-4	1,1-Dichloroethene	50	48.7	97	68-126
156-59-2	cis-1,2-Dichloroethene	50	48.0	96	78-131
156-60-5	trans-1,2-Dichloroethene	50	46.1	92	64-119
78-87-5	1,2-Dichloropropane	50	52.9	106	76-121
142-28-9	1,3-Dichloropropane	50	49.2	98	77-120
594-20-7	2,2-Dichloropropane	50	34.5	69	53-143
563-58-6	1,1-Dichloropropene	50	52.0	104	77-125
10061-01-5	cis-1,3-Dichloropropene	50	45.9	92	76-123

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-BS	3A102900.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	43.8	88	74-129
100-41-4	Ethylbenzene	50	48.2	96	77-119
87-68-3	Hexachlorobutadiene	50	47.2	94	66-137
98-82-8	Isopropylbenzene	50	47.6	95	74-125
99-87-6	p-Isopropyltoluene	50	47.1	94	78-128
1634-04-4	Methyl Tert Butyl Ether	100	91.0	91	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	51.7	103	68-131
74-95-3	Methylene bromide	50	49.3	99	79-129
75-09-2	Methylene chloride	50	48.5	97	73-122
91-20-3	Naphthalene	50	46.6	93	61-136
103-65-1	n-Propylbenzene	50	46.4	93	73-121
100-42-5	Styrene	50	46.2	92	77-121
75-65-0	Tert Butyl Alcohol	250	227	91	67-136
994-05-8	tert-Amyl Methyl Ether	50	48.5	97	69-125
637-92-3	tert-Butyl Ethyl Ether	50	49.3	99	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	51.4	103	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	45.5	91	70-121
127-18-4	Tetrachloroethene	50	48.8	98	64-148
108-88-3	Toluene	50	48.4	97	77-122
87-61-6	1,2,3-Trichlorobenzene	50	49.6	99	69-136
120-82-1	1,2,4-Trichlorobenzene	50	49.6	99	73-133
71-55-6	1,1,1-Trichloroethane	50	48.6	97	76-135
79-00-5	1,1,2-Trichloroethane	50	47.6	95	79-125
79-01-6	Trichloroethene	50	51.2	102	80-129
75-69-4	Trichlorofluoromethane	50	54.4	109	66-145
96-18-4	1,2,3-Trichloropropane	50	44.2	88	72-130
95-63-6	1,2,4-Trimethylbenzene	50	46.9	94	77-123
108-67-8	1,3,5-Trimethylbenzene	50	47.8	96	76-123
75-01-4	Vinyl chloride	50	55.5	111	56-133
	m,p-Xylene	100	94.6	95	77-121
95-47-6	o-Xylene	50	49.5	99	80-124
1330-20-7	Xylene (total)	150	144	96	78-121

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4419-BS	3A102900.D	1	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	94%	76-118%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-BS	3A102926.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	51.9	104	49-142
71-43-2	Benzene	50	47.1	94	76-119
108-86-1	Bromobenzene	50	43.6	87	77-123
74-97-5	Bromochloromethane	50	45.7	91	77-129
75-27-4	Bromodichloromethane	50	49.8	100	81-133
75-25-2	Bromoform	50	47.2	94	72-139
74-83-9	Bromomethane	50	39.4	79	55-140
78-93-3	2-Butanone (MEK)	50	53.4	107	64-132
104-51-8	n-Butylbenzene	50	47.4	95	74-130
135-98-8	sec-Butylbenzene	50	47.4	95	75-125
98-06-6	tert-Butylbenzene	50	48.4	97	76-127
56-23-5	Carbon tetrachloride	50	54.4	109	74-146
108-90-7	Chlorobenzene	50	48.2	96	79-120
75-00-3	Chloroethane	50	50.0	100	60-134
67-66-3	Chloroform	50	47.3	95	77-127
74-87-3	Chloromethane	50	43.4	87	50-128
95-49-8	o-Chlorotoluene	50	44.3	89	78-124
106-43-4	p-Chlorotoluene	50	44.1	88	75-120
108-20-3	Di-Isopropyl ether	50	49.9	100	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	52.2	104	64-137
124-48-1	Dibromochloromethane	50	47.6	95	77-131
106-93-4	1,2-Dibromoethane	50	45.8	92	76-127
95-50-1	1,2-Dichlorobenzene	50	46.6	93	78-123
541-73-1	1,3-Dichlorobenzene	50	46.0	92	77-124
106-46-7	1,4-Dichlorobenzene	50	44.7	89	76-121
75-71-8	Dichlorodifluoromethane	50	33.8	68	41-138
75-34-3	1,1-Dichloroethane	50	51.9	104	74-124
107-06-2	1,2-Dichloroethane	50	51.5	103	71-138
75-35-4	1,1-Dichloroethene	50	46.6	93	68-126
156-59-2	cis-1,2-Dichloroethene	50	44.8	90	78-131
156-60-5	trans-1,2-Dichloroethene	50	43.7	87	64-119
78-87-5	1,2-Dichloropropane	50	51.8	104	76-121
142-28-9	1,3-Dichloropropane	50	48.2	96	77-120
594-20-7	2,2-Dichloropropane	50	49.1	98	53-143
563-58-6	1,1-Dichloropropene	50	50.6	101	77-125
10061-01-5	cis-1,3-Dichloropropene	50	49.5	99	76-123

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-BS	3A102926.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	48.5	97	74-129
100-41-4	Ethylbenzene	50	47.5	95	77-119
87-68-3	Hexachlorobutadiene	50	51.5	103	66-137
98-82-8	Isopropylbenzene	50	46.5	93	74-125
99-87-6	p-Isopropyltoluene	50	49.4	99	78-128
1634-04-4	Methyl Tert Butyl Ether	100	93.9	94	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	53.2	106	68-131
74-95-3	Methylene bromide	50	49.2	98	79-129
75-09-2	Methylene chloride	50	45.7	91	73-122
91-20-3	Naphthalene	50	47.7	95	61-136
103-65-1	n-Propylbenzene	50	46.8	94	73-121
100-42-5	Styrene	50	44.6	89	77-121
75-65-0	Tert Butyl Alcohol	250	224	90	67-136
994-05-8	tert-Amyl Methyl Ether	50	48.3	97	69-125
637-92-3	tert-Butyl Ethyl Ether	50	50.9	102	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	49.3	99	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	45.1	90	70-121
127-18-4	Tetrachloroethene	50	45.5	91	64-148
108-88-3	Toluene	50	47.1	94	77-122
87-61-6	1,2,3-Trichlorobenzene	50	51.4	103	69-136
120-82-1	1,2,4-Trichlorobenzene	50	53.3	107	73-133
71-55-6	1,1,1-Trichloroethane	50	47.4	95	76-135
79-00-5	1,1,2-Trichloroethane	50	47.1	94	79-125
79-01-6	Trichloroethene	50	49.6	99	80-129
75-69-4	Trichlorofluoromethane	50	47.5	95	66-145
96-18-4	1,2,3-Trichloropropane	50	43.1	86	72-130
95-63-6	1,2,4-Trimethylbenzene	50	47.7	95	77-123
108-67-8	1,3,5-Trimethylbenzene	50	47.0	94	76-123
75-01-4	Vinyl chloride	50	44.5	89	56-133
	m,p-Xylene	100	93.1	93	77-121
95-47-6	o-Xylene	50	48.2	96	80-124
1330-20-7	Xylene (total)	150	141	94	78-121

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3A4420-BS	3A102926.D	1	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	94%	76-118%

Matrix Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-10MS	3A102853.D	1	02/03/12	JV	n/a	n/a	V3A4416
JA98257-10	3A102855.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	JA98257-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		50	53.1	106	39-150
71-43-2	Benzene	ND		50	47.0	94	40-139
108-86-1	Bromobenzene	ND		50	43.8	88	67-131
74-97-5	Bromochloromethane	ND		50	46.9	94	67-134
75-27-4	Bromodichloromethane	ND		50	48.9	98	68-135
75-25-2	Bromoform	ND		50	44.9	90	55-141
74-83-9	Bromomethane	ND		50	58.4	117	49-145
78-93-3	2-Butanone (MEK)	ND		50	50.7	101	55-141
104-51-8	n-Butylbenzene	ND		50	39.9	80	55-139
135-98-8	sec-Butylbenzene	ND		50	41.0	82	55-137
98-06-6	tert-Butylbenzene	ND		50	44.4	89	58-137
56-23-5	Carbon tetrachloride	ND		50	49.6	99	52-155
108-90-7	Chlorobenzene	ND		50	47.9	96	66-129
75-00-3	Chloroethane	ND		50	54.6	109	50-140
67-66-3	Chloroform	ND		50	47.5	95	63-133
74-87-3	Chloromethane	ND		50	55.7	111	43-138
95-49-8	o-Chlorotoluene	ND		50	43.0	86	62-132
106-43-4	p-Chlorotoluene	ND		50	42.4	85	62-129
108-20-3	Di-Isopropyl ether	ND		50	47.9	96	51-136
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	50.7	101	57-142
124-48-1	Dibromochloromethane	ND		50	46.9	94	64-136
106-93-4	1,2-Dibromoethane	ND		50	46.0	92	69-132
95-50-1	1,2-Dichlorobenzene	ND		50	46.0	92	69-129
541-73-1	1,3-Dichlorobenzene	ND		50	44.3	89	66-130
106-46-7	1,4-Dichlorobenzene	ND		50	43.6	87	66-127
75-71-8	Dichlorodifluoromethane	ND		50	38.0	76	31-166
75-34-3	1,1-Dichloroethane	ND		50	50.2	100	58-132
107-06-2	1,2-Dichloroethane	ND		50	52.5	105	62-145
75-35-4	1,1-Dichloroethene	ND		50	42.5	85	43-142
156-59-2	cis-1,2-Dichloroethene	ND		50	44.7	89	55-132
156-60-5	trans-1,2-Dichloroethene	ND		50	42.5	85	53-132
78-87-5	1,2-Dichloropropane	ND		50	51.5	103	65-128
142-28-9	1,3-Dichloropropane	ND		50	48.8	98	68-127
594-20-7	2,2-Dichloropropane	ND		50	40.0	80	41-146
563-58-6	1,1-Dichloropropene	ND		50	46.9	94	54-139
10061-01-5	cis-1,3-Dichloropropene	ND		50	49.2	98	66-130

Matrix Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-10MS	3A102853.D	1	02/03/12	JV	n/a	n/a	V3A4416
JA98257-10	3A102855.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	JA98257-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
10061-02-6	trans-1,3-Dichloropropene	ND		50	46.6	93	64-135
100-41-4	Ethylbenzene	ND		50	45.6	91	40-140
87-68-3	Hexachlorobutadiene	ND		50	42.4	85	51-141
98-82-8	Isopropylbenzene	ND		50	43.2	86	56-138
99-87-6	p-Isopropyltoluene	ND		50	41.7	83	58-136
1634-04-4	Methyl Tert Butyl Ether	1.8		50	48.4	93	54-136
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	54.4	109	61-138
74-95-3	Methylene bromide	ND		50	48.3	97	70-134
75-09-2	Methylene chloride	ND		50	45.6	91	60-130
91-20-3	Naphthalene	ND		50	47.1	94	51-149
103-65-1	n-Propylbenzene	ND		50	41.1	82	51-138
100-42-5	Styrene	ND		50	43.8	88	59-132
75-65-0	Tert Butyl Alcohol	13.5	J	250	247	93	57-153
994-05-8	tert-Amyl Methyl Ether	ND		50	46.8	94	60-133
637-92-3	tert-Butyl Ethyl Ether	ND		50	47.5	95	59-134
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	50.1	100	69-134
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	44.9	90	65-128
127-18-4	Tetrachloroethene	ND		50	44.4	89	52-143
108-88-3	Toluene	ND		50	46.2	92	47-140
87-61-6	1,2,3-Trichlorobenzene	ND		50	48.6	97	62-137
120-82-1	1,2,4-Trichlorobenzene	ND		50	47.4	95	64-136
71-55-6	1,1,1-Trichloroethane	ND		50	44.6	89	55-146
79-00-5	1,1,2-Trichloroethane	ND		50	46.7	93	70-129
79-01-6	Trichloroethene	ND		50	47.5	95	54-142
75-69-4	Trichlorofluoromethane	ND		50	43.7	87	45-159
96-18-4	1,2,3-Trichloropropane	ND		50	43.6	87	64-137
95-63-6	1,2,4-Trimethylbenzene	ND		50	43.0	86	40-147
108-67-8	1,3,5-Trimethylbenzene	ND		50	43.0	86	50-142
75-01-4	Vinyl chloride	ND		50	48.1	96	42-145
	m,p-Xylene	ND		100	90.1	90	39-141
95-47-6	o-Xylene	ND		50	48.0	96	51-138
1330-20-7	Xylene (total)	ND		150	138	92	42-140

Matrix Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-10MS	3A102853.D	1	02/03/12	JV	n/a	n/a	V3A4416
JA98257-10	3A102855.D	1	02/03/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Surrogate Recoveries	MS	JA98257-10	Limits
1868-53-7	Dibromofluoromethane	91%	90%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	90%	70-127%
2037-26-5	Toluene-D8	99%	101%	79-120%
460-00-4	4-Bromofluorobenzene	93%	93%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-4MS	3A102901.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4MSD	3A102902.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4	3A102904.D	5	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	JA98431-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	302	121	291	116	4	39-150/20
71-43-2	Benzene	283		250	433	60	447	66	3	40-139/12
108-86-1	Bromobenzene	ND		250	219	88	220	88	0	67-131/12
74-97-5	Bromochloromethane	ND		250	236	94	236	94	0	67-134/12
75-27-4	Bromodichloromethane	ND		250	239	96	249	100	4	68-135/12
75-25-2	Bromoform	ND		250	211	84	210	84	0	55-141/14
74-83-9	Bromomethane	ND		250	281	112	289	116	3	49-145/16
78-93-3	2-Butanone (MEK)	ND		250	258	103	250	100	3	55-141/15
104-51-8	n-Butylbenzene	ND		250	238	95	238	95	0	55-139/15
135-98-8	sec-Butylbenzene	5.7	J	250	243	95	240	94	1	55-137/14
98-06-6	tert-Butylbenzene	ND		250	246	98	247	99	0	58-137/15
56-23-5	Carbon tetrachloride	ND		250	276	110	281	112	2	52-155/16
108-90-7	Chlorobenzene	ND		250	242	97	244	98	1	66-129/11
75-00-3	Chloroethane	ND		250	300	120	300	120	0	50-140/16
67-66-3	Chloroform	ND		250	250	100	250	100	0	63-133/13
74-87-3	Chloromethane	ND		250	307	123	303	121	1	43-138/17
95-49-8	o-Chlorotoluene	ND		250	223	89	225	90	1	62-132/13
106-43-4	p-Chlorotoluene	ND		250	222	89	223	89	0	62-129/13
108-20-3	Di-Isopropyl ether	7.2	J	250	247	96	249	97	1	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	260	104	239	96	8	57-142/14
124-48-1	Dibromochloromethane	ND		250	228	91	225	90	1	64-136/12
106-93-4	1,2-Dibromoethane	ND		250	232	93	230	92	1	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		250	235	94	234	94	0	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		250	230	92	231	92	0	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		250	224	90	226	90	1	66-127/12
75-71-8	Dichlorodifluoromethane	ND		250	298	119	293	117	2	31-166/20
75-34-3	1,1-Dichloroethane	ND		250	262	105	265	106	1	58-132/13
107-06-2	1,2-Dichloroethane	ND		250	264	106	254	102	4	62-145/12
75-35-4	1,1-Dichloroethene	ND		250	238	95	241	96	1	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		250	231	92	230	92	0	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		250	227	91	227	91	0	53-132/14
78-87-5	1,2-Dichloropropane	ND		250	253	101	265	106	5	65-128/12
142-28-9	1,3-Dichloropropane	ND		250	241	96	242	97	0	68-127/11
594-20-7	2,2-Dichloropropane	ND		250	186	74	186	74	0	41-146/16
563-58-6	1,1-Dichloropropene	ND		250	257	103	259	104	1	54-139/15
10061-01-5	cis-1,3-Dichloropropene	ND		250	233	93	244	98	5	66-130/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-4MS	3A102901.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4MSD	3A102902.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4	3A102904.D	5	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Compound	JA98431-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	218	87	233	93	7	64-135/13
100-41-4	Ethylbenzene	41.9		250	269	91	272	92	1	40-140/12
87-68-3	Hexachlorobutadiene	ND		250	248	99	255	102	3	51-141/16
98-82-8	Isopropylbenzene	36.3		250	264	91	261	90	1	56-138/13
99-87-6	p-Isopropyltoluene	ND		250	239	96	239	96	0	58-136/14
1634-04-4	Methyl Tert Butyl Ether	8.5		250	242	93	240	93	1	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		250	256	102	260	104	2	61-138/14
74-95-3	Methylene bromide	ND		250	236	94	243	97	3	70-134/12
75-09-2	Methylene chloride	ND		250	244	98	244	98	0	60-130/13
91-20-3	Naphthalene	48.1		250	289	96	281	93	3	51-149/14
103-65-1	n-Propylbenzene	76.8		250	288	84	286	84	1	51-138/14
100-42-5	Styrene	ND		250	229	92	231	92	1	59-132/13
75-65-0	Tert Butyl Alcohol	ND		1250	1210	97	1190	95	2	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		250	221	88	229	92	4	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		250	238	95	239	96	0	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	250	100	249	100	0	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	233	93	228	91	2	65-128/12
127-18-4	Tetrachloroethene	ND		250	227	91	230	92	1	52-143/15
108-88-3	Toluene	33.4		250	254	88	269	94	6	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		250	260	104	256	102	2	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		250	254	102	255	102	0	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		250	244	98	246	98	1	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		250	224	90	236	94	5	70-129/12
79-01-6	Trichloroethene	ND		250	255	102	251	100	2	54-142/14
75-69-4	Trichlorofluoromethane	ND		250	281	112	281	112	0	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		250	216	86	212	85	2	64-137/13
95-63-6	1,2,4-Trimethylbenzene	8.2	J	250	242	94	241	93	0	40-147/12
108-67-8	1,3,5-Trimethylbenzene	4.2	J	250	250	98	249	98	0	50-142/13
75-01-4	Vinyl chloride	ND		250	292	117	284	114	3	42-145/18
	m,p-Xylene	218		500	620	80	627	82	1	39-141/12
95-47-6	o-Xylene	7.3		250	250	97	251	97	0	51-138/12
1330-20-7	Xylene (total)	226		750	870	86	878	87	1	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-4MS	3A102901.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4MSD	3A102902.D	5	02/04/12	JV	n/a	n/a	V3A4419
JA98431-4	3A102904.D	5	02/04/12	JV	n/a	n/a	V3A4419

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-1, JA98431-2, JA98431-4, JA98431-6, JA98431-10, JA98431-13, JA98431-15

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-4	Limits
1868-53-7	Dibromofluoromethane	93%	92%	90%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	97%	93%	70-127%
2037-26-5	Toluene-D8	96%	100%	104%	79-120%
460-00-4	4-Bromofluorobenzene	93%	94%	92%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-3MS	3A102927.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3MSD	3A102928.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3	3A102931.D	10	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	JA98431-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		500	529	106	518	104	2	39-150/20
71-43-2	Benzene	1280		500	1290	2* [a]	1290	2* [a]	0	40-139/12
108-86-1	Bromobenzene	ND		500	444	89	443	89	0	67-131/12
74-97-5	Bromochloromethane	ND		500	453	91	448	90	1	67-134/12
75-27-4	Bromodichloromethane	ND		500	490	98	492	98	0	68-135/12
75-25-2	Bromoform	ND		500	468	94	459	92	2	55-141/14
74-83-9	Bromomethane	ND		500	505	101	605	121	18* [b]	49-145/16
78-93-3	2-Butanone (MEK)	ND		500	533	107	509	102	5	55-141/15
104-51-8	n-Butylbenzene	ND		500	489	98	492	98	1	55-139/15
135-98-8	sec-Butylbenzene	10.4	J	500	477	93	482	94	1	55-137/14
98-06-6	tert-Butylbenzene	ND		500	493	99	500	100	1	58-137/15
56-23-5	Carbon tetrachloride	ND		500	532	106	544	109	2	52-155/16
108-90-7	Chlorobenzene	ND		500	473	95	473	95	0	66-129/11
75-00-3	Chloroethane	ND		500	566	113	566	113	0	50-140/16
67-66-3	Chloroform	ND		500	465	93	465	93	0	63-133/13
74-87-3	Chloromethane	ND		500	563	113	546	109	3	43-138/17
95-49-8	o-Chlorotoluene	ND		500	441	88	449	90	2	62-132/13
106-43-4	p-Chlorotoluene	ND		500	447	89	448	90	0	62-129/13
108-20-3	Di-Isopropyl ether	79.6		500	530	90	538	92	1	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	537	107	536	107	0	57-142/14
124-48-1	Dibromochloromethane	ND		500	475	95	464	93	2	64-136/12
106-93-4	1,2-Dibromoethane	ND		500	464	93	455	91	2	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		500	471	94	478	96	1	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		500	460	92	466	93	1	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		500	447	89	445	89	0	66-127/12
75-71-8	Dichlorodifluoromethane	ND		500	576	115	574	115	0	31-166/20
75-34-3	1,1-Dichloroethane	ND		500	494	99	493	99	0	58-132/13
107-06-2	1,2-Dichloroethane	ND		500	491	98	486	97	1	62-145/12
75-35-4	1,1-Dichloroethene	ND		500	442	88	438	88	1	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		500	434	87	435	87	0	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		500	425	85	425	85	0	53-132/14
78-87-5	1,2-Dichloropropane	ND		500	511	102	512	102	0	65-128/12
142-28-9	1,3-Dichloropropane	ND		500	486	97	479	96	1	68-127/11
594-20-7	2,2-Dichloropropane	ND		500	488	98	489	98	0	41-146/16
563-58-6	1,1-Dichloropropene	ND		500	495	99	496	99	0	54-139/15
10061-01-5	cis-1,3-Dichloropropene	ND		500	507	101	508	102	0	66-130/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-3MS	3A102927.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3MSD	3A102928.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3	3A102931.D	10	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Compound	JA98431-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		500	493	99	491	98	0	64-135/13
100-41-4	Ethylbenzene	1440		500	1440	0* [a]	1450	2* [a]	1	40-140/12
87-68-3	Hexachlorobutadiene	ND		500	540	108	546	109	1	51-141/16
98-82-8	Isopropylbenzene	64.2		500	511	89	519	91	2	56-138/13
99-87-6	p-Isopropyltoluene	4.7	J	500	483	96	490	97	1	58-136/14
1634-04-4	Methyl Tert Butyl Ether	84.2		500	529	89	527	89	0	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		500	549	110	541	108	1	61-138/14
74-95-3	Methylene bromide	ND		500	481	96	477	95	1	70-134/12
75-09-2	Methylene chloride	ND		500	450	90	452	90	0	60-130/13
91-20-3	Naphthalene	290		500	736	89	733	89	0	51-149/14
103-65-1	n-Propylbenzene	200		500	598	80	597	79	0	51-138/14
100-42-5	Styrene	ND		500	454	91	449	90	1	59-132/13
75-65-0	Tert Butyl Alcohol	ND		2500	2320	93	2300	92	1	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		500	441	88	448	90	2	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		500	471	94	470	94	0	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	458	92	464	93	1	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	483	97	476	95	1	65-128/12
127-18-4	Tetrachloroethene	ND		500	451	90	451	90	0	52-143/15
108-88-3	Toluene	225		500	621	79	628	81	1	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	528	106	534	107	1	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		500	529	106	534	107	1	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		500	461	92	465	93	1	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		500	477	95	471	94	1	70-129/12
79-01-6	Trichloroethene	ND		500	482	96	487	97	1	54-142/14
75-69-4	Trichlorofluoromethane	ND		500	556	111	567	113	2	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		500	448	90	442	88	1	64-137/13
95-63-6	1,2,4-Trimethylbenzene	960		500	1160	40	1170	42	1	40-147/12
108-67-8	1,3,5-Trimethylbenzene	56.8		500	503	89	517	92	3	50-142/13
75-01-4	Vinyl chloride	ND		500	543	109	551	110	1	42-145/18
	m,p-Xylene	1900		1000	2210	31* [b]	2220	32* [b]	0	39-141/12
95-47-6	o-Xylene	54.2		500	510	91	514	92	1	51-138/12
1330-20-7	Xylene (total)	1960		1500	2720	51	2730	51	0	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-3MS	3A102927.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3MSD	3A102928.D	10	02/06/12	JV	n/a	n/a	V3A4420
JA98431-3	3A102931.D	10	02/06/12	JV	n/a	n/a	V3A4420

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-14

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-3	Limits
1868-53-7	Dibromofluoromethane	90%	89%	89%	77-120%
17060-07-0	1,2-Dichloroethane-D4	98%	92%	94%	70-127%
2037-26-5	Toluene-D8	100%	101%	103%	79-120%
460-00-4	4-Bromofluorobenzene	96%	96%	94%	76-118%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to matrix interference.

Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-1DUP	3A102856.D	1	02/04/12	JV	n/a	n/a	V3A4416
JA98257-1	3A102857.D	1	02/04/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	JA98257-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	16
71-43-2	Benzene	ND		ND		nc	10
108-86-1	Bromobenzene	ND		ND		nc	10
74-97-5	Bromochloromethane	ND		ND		nc	10
75-27-4	Bromodichloromethane	ND		ND		nc	12
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	10
104-51-8	n-Butylbenzene	ND		ND		nc	10
135-98-8	sec-Butylbenzene	ND		ND		nc	10
98-06-6	tert-Butylbenzene	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	11
74-87-3	Chloromethane	ND		ND		nc	10
95-49-8	o-Chlorotoluene	ND		ND		nc	10
106-43-4	p-Chlorotoluene	ND		ND		nc	10
108-20-3	Di-Isopropyl ether	ND		ND		nc	10
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	10
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	10
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	10
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	10
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	10
142-28-9	1,3-Dichloropropane	ND		ND		nc	10
594-20-7	2,2-Dichloropropane	ND		ND		nc	10
563-58-6	1,1-Dichloropropene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10

Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-1DUP	3A102856.D	1	02/04/12	JV	n/a	n/a	V3A4416
JA98257-1	3A102857.D	1	02/04/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Compound	JA98257-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	ND		ND		nc	12
87-68-3	Hexachlorobutadiene	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	10
99-87-6	p-Isopropyltoluene	ND		ND		nc	10
1634-04-4	Methyl Tert Butyl Ether	0.22	J	0.21	J	5	16
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
74-95-3	Methylene bromide	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
91-20-3	Naphthalene	ND		ND		nc	14
103-65-1	n-Propylbenzene	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
75-65-0	Tert Butyl Alcohol	ND		ND		nc	11
994-05-8	tert-Amyl Methyl Ether	ND		ND		nc	10
637-92-3	tert-Butyl Ethyl Ether	ND		ND		nc	10
630-20-6	1,1,1,2-Tetrachloroethane	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	13
108-88-3	Toluene	ND		ND		nc	10
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	12
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
96-18-4	1,2,3-Trichloropropane	ND		ND		nc	10
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	10
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	12
95-47-6	o-Xylene	ND		ND		nc	12
1330-20-7	Xylene (total)	ND		ND		nc	13

Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98257-1DUP	3A102856.D	1	02/04/12	JV	n/a	n/a	V3A4416
JA98257-1	3A102857.D	1	02/04/12	JV	n/a	n/a	V3A4416

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98431-11

CAS No.	Surrogate Recoveries	DUP	JA98257-1	Limits
1868-53-7	Dibromofluoromethane	89%	90%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	91%	70-127%
2037-26-5	Toluene-D8	102%	101%	79-120%
460-00-4	4-Bromofluorobenzene	93%	92%	76-118%

Instrument Performance Check (BFB)

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V3A4219-BFB
Lab File ID: 3A98306.D
Instrument ID: GCMS3A
Injection Date: 10/13/11
Injection Time: 07:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8226	17.6		Pass
75	30.0 - 60.0% of mass 95	21370	45.7		Pass
95	Base peak, 100% relative abundance	46802	100.0		Pass
96	5.0 - 9.0% of mass 95	3126	6.68		Pass
173	Less than 2.0% of mass 174	328	0.70	(0.85) [a]	Pass
174	50.0 - 120.0% of mass 95	38594	82.5		Pass
175	5.0 - 9.0% of mass 174	2839	6.07	(7.36) [a]	Pass
176	95.0 - 101.0% of mass 174	37282	79.7	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	2499	5.34	(6.70) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3A4219-IC4219	3A98311.D	10/13/11	10:21	02:40	Initial cal 10
V3A4219-IC4219	3A98312.D	10/13/11	10:50	03:09	Initial cal 5
V3A4219-IC4219	3A98313.D	10/13/11	11:18	03:37	Initial cal 20
V3A4219-ICC4219	3A98314.D	10/13/11	11:48	04:07	Initial cal 50
V3A4219-ICV4219	3A98315.D	10/13/11	12:17	04:36	Initial cal verification 50
V3A4219-IC4219	3A98316.D	10/13/11	12:45	05:04	Initial cal 100
V3A4219-IC4219	3A98317.D	10/13/11	13:14	05:33	Initial cal 200
V3A4219-IC4219	3A98320.D	10/13/11	14:41	07:00	Initial cal 1
ZZZZZZ	3A98320.D	10/13/11	14:41	07:00	(unrelated sample)
V3A4219-IC4219	3A98321.D	10/13/11	15:10	07:29	Initial cal 2
V3A4219-IC4219	3A98322.D	10/13/11	15:55	08:14	Initial cal 0.5
ZZZZZZ	3A98322.D	10/13/11	15:55	08:14	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V3A4416-BFB
Lab File ID: 3A102849.D
Instrument ID: GCMS3A
Injection Date: 02/03/12
Injection Time: 20:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12608	17.5		Pass
75	30.0 - 60.0% of mass 95	33880	47.1		Pass
95	Base peak, 100% relative abundance	71989	100.0		Pass
96	5.0 - 9.0% of mass 95	4861	6.75		Pass
173	Less than 2.0% of mass 174	373	0.52	(0.67) [a]	Pass
174	50.0 - 120.0% of mass 95	55832	77.6		Pass
175	5.0 - 9.0% of mass 174	4144	5.76	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	54570	75.8	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3588	4.98	(6.58) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3A4416-CC4219	3A102850.D	02/03/12	21:08	00:29	Continuing cal 20
V3A4416-MB	3A102851.D	02/03/12	21:37	00:58	Method Blank
V3A4416-BS	3A102852.D	02/03/12	22:06	01:27	Blank Spike
JA98257-10MS	3A102853.D	02/03/12	22:35	01:56	Matrix Spike
JA98257-10	3A102855.D	02/03/12	23:33	02:54	(used for QC only; not part of job JA98431)
JA98257-1DUP	3A102856.D	02/04/12	00:02	03:23	Duplicate
JA98257-1	3A102857.D	02/04/12	00:30	03:51	(used for QC only; not part of job JA98431)
ZZZZZZ	3A102858.D	02/04/12	00:59	04:20	(unrelated sample)
ZZZZZZ	3A102859.D	02/04/12	01:28	04:49	(unrelated sample)
ZZZZZZ	3A102860.D	02/04/12	01:57	05:18	(unrelated sample)
ZZZZZZ	3A102862.D	02/04/12	02:55	06:16	(unrelated sample)
ZZZZZZ	3A102863.D	02/04/12	03:24	06:45	(unrelated sample)
ZZZZZZ	3A102864.D	02/04/12	03:52	07:13	(unrelated sample)
ZZZZZZ	3A102865.D	02/04/12	04:21	07:42	(unrelated sample)
ZZZZZZ	3A102866.D	02/04/12	04:50	08:11	(unrelated sample)
ZZZZZZ	3A102867.D	02/04/12	05:19	08:40	(unrelated sample)
ZZZZZZ	3A102868.D	02/04/12	05:48	09:09	(unrelated sample)
ZZZZZZ	3A102869.D	02/04/12	06:17	09:38	(unrelated sample)
ZZZZZZ	3A102870.D	02/04/12	06:45	10:06	(unrelated sample)
ZZZZZZ	3A102871.D	02/04/12	07:14	10:35	(unrelated sample)
JA98431-11	3A102872.D	02/04/12	07:43	11:04	137530-MW-27

Instrument Performance Check (BFB)

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V3A4419-BFB
Lab File ID: 3A102897.D
Instrument ID: GCMS3A
Injection Date: 02/04/12
Injection Time: 20:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13055	17.2		Pass
75	30.0 - 60.0% of mass 95	34637	45.6		Pass
95	Base peak, 100% relative abundance	75888	100.0		Pass
96	5.0 - 9.0% of mass 95	5097	6.72		Pass
173	Less than 2.0% of mass 174	516	0.68	(0.90) [a]	Pass
174	50.0 - 120.0% of mass 95	57048	75.2		Pass
175	5.0 - 9.0% of mass 174	4233	5.58	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	55690	73.4	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	3793	5.00	(6.81) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3A4419-CC4219	3A102898.D	02/04/12	20:35	00:28	Continuing cal 20
V3A4419-MB	3A102899.D	02/04/12	21:05	00:58	Method Blank
V3A4419-BS	3A102900.D	02/04/12	21:34	01:27	Blank Spike
JA98431-4MS	3A102901.D	02/04/12	22:02	01:55	Matrix Spike
JA98431-4MSD	3A102902.D	02/04/12	22:31	02:24	Matrix Spike Duplicate
JA98431-4	3A102904.D	02/04/12	23:29	03:22	137530-MW-19
JA98431-6	3A102906.D	02/05/12	00:26	04:19	137530-MW-22
JA98431-10	3A102909.D	02/05/12	01:53	05:46	137530-MW-26
JA98431-2	3A102912.D	02/05/12	03:19	07:12	137530-MW-15
JA98431-1	3A102914.D	02/05/12	04:17	08:10	137530-MW-13
JA98431-13	3A102916.D	02/05/12	05:15	09:08	137530-MW-29
JA98431-15	3A102917.D	02/05/12	05:44	09:37	137530-MW-31
ZZZZZZ	3A102918.D	02/05/12	06:13	10:06	(unrelated sample)
ZZZZZZ	3A102919.D	02/05/12	06:42	10:35	(unrelated sample)
ZZZZZZ	3A102920.D	02/05/12	07:10	11:03	(unrelated sample)
ZZZZZZ	3A102921.D	02/05/12	07:39	11:32	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V3A4420-BFB
Lab File ID: 3A102922.D
Instrument ID: GCMS3A
Injection Date: 02/06/12
Injection Time: 08:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12251	17.0		Pass
75	30.0 - 60.0% of mass 95	32576	45.2		Pass
95	Base peak, 100% relative abundance	71992	100.0		Pass
96	5.0 - 9.0% of mass 95	4711	6.54		Pass
173	Less than 2.0% of mass 174	465	0.65	(0.85) [a]	Pass
174	50.0 - 120.0% of mass 95	54848	76.2		Pass
175	5.0 - 9.0% of mass 174	4048	5.62	(7.38) [a]	Pass
176	95.0 - 101.0% of mass 174	53098	73.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3530	4.90	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3A4420-CC4219	3A102923.D	02/06/12	09:04	00:34	Continuing cal 50
V3A4420-MB	3A102925.D	02/06/12	10:08	01:38	Method Blank
V3A4420-BS	3A102926.D	02/06/12	10:44	02:14	Blank Spike
JA98431-3MS	3A102927.D	02/06/12	11:19	02:49	Matrix Spike
JA98431-3MSD	3A102928.D	02/06/12	11:48	03:18	Matrix Spike Duplicate
JA98431-8	3A102930.D	02/06/12	12:46	04:16	137530-MW-24
JA98431-3	3A102931.D	02/06/12	13:15	04:45	137530-MW-18
JA98431-5	3A102932.D	02/06/12	13:44	05:14	137530-MW-21
JA98431-6	3A102933.D	02/06/12	14:13	05:43	137530-MW-22
JA98431-7	3A102934.D	02/06/12	14:41	06:11	137530-MW-23
JA98431-9	3A102935.D	02/06/12	15:10	06:40	137530-MW-25
JA98431-14	3A102936.D	02/06/12	15:40	07:10	137530-MW-30
JA98431-10	3A102937.D	02/06/12	16:09	07:39	137530-MW-26
JA98431-12	3A102938.D	02/06/12	16:38	08:08	137530-MW-28
JA98431-4	3A102939.D	02/06/12	17:07	08:37	137530-MW-19
ZZZZZZ	3A102941.D	02/06/12	18:04	09:34	(unrelated sample)
ZZZZZZ	3A102942.D	02/06/12	18:33	10:03	(unrelated sample)
ZZZZZZ	3A102943.D	02/06/12	19:02	10:32	(unrelated sample)
ZZZZZZ	3A102944.D	02/06/12	19:31	11:01	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98431-1	3A102914.D	90.0	93.0	104.0	96.0
JA98431-2	3A102912.D	90.0	93.0	103.0	92.0
JA98431-3	3A102931.D	89.0	94.0	103.0	94.0
JA98431-4	3A102939.D	88.0	98.0	103.0	92.0
JA98431-4	3A102904.D	90.0	93.0	104.0	92.0
JA98431-5	3A102932.D	91.0	93.0	104.0	91.0
JA98431-6	3A102933.D	90.0	95.0	104.0	97.0
JA98431-6	3A102906.D	89.0	92.0	105.0	94.0
JA98431-7	3A102934.D	90.0	93.0	102.0	92.0
JA98431-8	3A102930.D	90.0	93.0	101.0	91.0
JA98431-9	3A102935.D	90.0	93.0	103.0	90.0
JA98431-10	3A102937.D	88.0	92.0	107.0	91.0
JA98431-10	3A102909.D	92.0	94.0	100.0	90.0
JA98431-11	3A102872.D	91.0	92.0	103.0	95.0
JA98431-12	3A102938.D	89.0	93.0	105.0	94.0
JA98431-13	3A102916.D	92.0	93.0	101.0	91.0
JA98431-14	3A102936.D	90.0	94.0	104.0	93.0
JA98431-15	3A102917.D	90.0	91.0	102.0	92.0
JA98257-10MS	3A102853.D	91.0	92.0	99.0	93.0
JA98257-1DUP	3A102856.D	89.0	91.0	102.0	93.0
JA98431-3MS	3A102927.D	90.0	98.0	100.0	96.0
JA98431-3MSD	3A102928.D	89.0	92.0	101.0	96.0
JA98431-4MS	3A102901.D	93.0	105.0	96.0	93.0
JA98431-4MSD	3A102902.D	92.0	97.0	100.0	94.0
V3A4416-BS	3A102852.D	91.0	92.0	99.0	94.0
V3A4416-MB	3A102851.D	90.0	91.0	99.0	90.0
V3A4419-BS	3A102900.D	93.0	92.0	98.0	94.0
V3A4419-MB	3A102899.D	92.0	92.0	99.0	91.0
V3A4420-BS	3A102926.D	92.0	93.0	99.0	94.0
V3A4420-MB	3A102925.D	91.0	93.0	100.0	92.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey

ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2093-MB1	LM51902.D	1	02/06/12	XPL	n/a	n/a	GLM2093

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-3, JA98431-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	85%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3768-MB2	UV95343.D	1	02/06/12	XPL	n/a	n/a	GUV3768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	77%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2093-MB2	LM51913.D	1	02/06/12	XPL	n/a	n/a	GLM2093

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-MB1	LM51966.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-MB2	LM51975.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-2, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-12, JA98431-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-MB3	LM51986.D	1	02/10/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-14

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB1	LM52001.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-4, JA98431-15

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	68-114%

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3768-MB1	UV95332.D	1	02/06/12	XPL	n/a	n/a	GUV3768

The QC reported here applies to the following samples: **Method:** SW846 8015C

GUV3768-BS, JA98146-14MS, JA98146-14MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	77%	68-114%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3768-BS	UV95333.D	1	02/06/12	XPL	n/a	n/a	GUV3768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	6.37	80	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	95%	68-114%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2093-BS	LM51903.D	1	02/06/12	XPL	n/a	n/a	GLM2093

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-3, JA98431-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	6.96	87	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	101%	68-114%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-BS	LM51967.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-2, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.02	100	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-BS	LM52005.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-4, JA98431-15

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	9.34	117	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	106%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98146-14MS	UV95340.D	1	02/06/12	XPL	n/a	n/a	GUV3768
JA98146-14MSD	UV95341.D	1	02/06/12	XPL	n/a	n/a	GUV3768
JA98146-14	UV95334.D	1	02/06/12	XPL	n/a	n/a	GUV3768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1

CAS No.	Compound	JA98146-14 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	8.42	105	8.20	103	3	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98146-14	Limits
98-08-8	aaa-Trifluorotoluene	99%	98%	76%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-5MS	LM51915.D	10	02/06/12	XPL	n/a	n/a	GLM2093
JA98431-5MSD	LM51916.D	10	02/06/12	XPL	n/a	n/a	GLM2093
JA98431-5 [a]	LM51908.D	1	02/06/12	XPL	n/a	n/a	GLM2093
JA98431-5	LM51914.D	10	02/06/12	XPL	n/a	n/a	GLM2093

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-5

CAS No.	Compound	JA98431-5 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	121 [b]		80	179	73	194	91	8	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-5	JA98431-5	Limits
98-08-8	aaa-Trifluorotoluene	106%	108%	114%	95%	68-114%

(a) Sample re-analyzed for further dilution.
(b) Result is from Run #2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-11MS	LM51972.D	1	02/09/12	RP	n/a	n/a	GLM2096
JA98431-11MSD	LM51973.D	1	02/09/12	RP	n/a	n/a	GLM2096
JA98431-11	LM51969.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-2, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14

CAS No.	Compound	JA98431-11 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.738		8	10.2	118	9.57	110	6	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-11	Limits
98-08-8	aaa-Trifluorotoluene	116%* [a]	117%* [a]	102%	68-114%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-7MS	LM52006.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7MSD	LM52007.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7	LM52002.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-4, JA98431-15

CAS No.	Compound	JA98545-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.230		8	7.23	88	7.41	90	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-7	Limits
98-08-8	aaa-Trifluorotoluene	103%	104%	88%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA98431-1	UV95352.D	79.0
JA98431-2	LM51980.D	97.0
JA98431-3	LM51906.D	108.0
JA98431-4	LM52004.D	93.0
JA98431-5	LM51914.D	95.0
JA98431-5	LM51908.D	114.0
JA98431-6	LM51981.D	95.0
JA98431-7	LM51982.D	94.0
JA98431-8	LM51976.D	88.0
JA98431-9	LM51984.D	90.0
JA98431-10	LM51983.D	93.0
JA98431-11	LM51969.D	102.0
JA98431-12	LM51978.D	90.0
JA98431-13	LM51977.D	91.0
JA98431-14	LM51987.D	95.0
JA98431-15	LM52003.D	91.0
GLM2093-BS	LM51903.D	101.0
GLM2093-MB1	LM51902.D	85.0
GLM2093-MB2	LM51913.D	87.0
GLM2096-BS	LM51967.D	112.0
GLM2096-MB1	LM51966.D	97.0
GLM2096-MB2	LM51975.D	88.0
GLM2096-MB3	LM51986.D	88.0
GLM2097-BS	LM52005.D	106.0
GLM2097-MB1	LM52001.D	87.0
GUV3768-BS	UV95333.D	95.0
GUV3768-MB2	UV95343.D	77.0
JA98146-14MS	UV95340.D	99.0
JA98146-14MSD	UV95341.D	98.0
JA98431-11MS	LM51972.D	116.0* [b]
JA98431-11MSD	LM51973.D	117.0* [b]
JA98431-5MS	LM51915.D	106.0
JA98431-5MSD	LM51916.D	108.0
JA98545-7MS	LM52006.D	103.0
JA98545-7MSD	LM52007.D	104.0
GUV3768-MB1	UV95332.D	77.0

Surrogate Compounds	Recovery Limits

Volatile Surrogate Recovery Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1
(b) Outside control limits due to matrix interference.

New Jersey
ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54634-MB1	2Y42646.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	34-131%
16416-32-3	Tetracosane-d50	118%	15-119%
438-22-2	5a-Androstane	98%	11-119%

Blank Spike Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54634-BS1	2Y42647.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.800	80	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	92%	34-131%
16416-32-3	Tetracosane-d50	113%	15-119%
438-22-2	5a-Androstane	93%	11-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54634-MS	2Y42650.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
OP54634-MSD	2Y42651.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773
JA98431-1	2Y42652.D	1	02/06/12	CS	02/03/12	OP54634	G2Y1773

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

CAS No.	Compound	JA98431-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	0.275		2.02	1.81	76	1.68	70	7	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-1	Limits
84-15-1	o-Terphenyl	90%	84%	68%	34-131%
16416-32-3	Tetracosane-d50	118%	109%	94%	15-119%
438-22-2	5a-Androstane	95%	88%	74%	11-119%

Semivolatile Surrogate Recovery Summary

Job Number: JA98431
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA98431-1	2Y42652.D	68.0	94.0	74.0
JA98431-2	2Y42653.D	77.0	106.0	84.0
JA98431-3	2Y42656.D	74.0	99.0	78.0
JA98431-4	2Y42657.D	75.0	104.0	82.0
JA98431-5	2Y42658.D	74.0	96.0	75.0
JA98431-6	2Y42659.D	61.0	76.0	60.0
JA98431-7	2Y42660.D	66.0	87.0	68.0
JA98431-8	2Y42661.D	73.0	100.0	79.0
JA98431-9	2Y42662.D	71.0	92.0	72.0
JA98431-10	2Y42663.D	61.0	83.0	65.0
JA98431-11	2Y42664.D	93.0	117.0	94.0
JA98431-12	2Y42667.D	85.0	109.0	85.0
JA98431-13	2Y42668.D	83.0	108.0	85.0
JA98431-14	2Y42669.D	80.0	102.0	80.0
JA98431-15	2Y42670.D	85.0	112.0	89.0
OP54634-BS1	2Y42647.D	92.0	113.0	93.0
OP54634-MB1	2Y42646.D	95.0	118.0	98.0
OP54634-MS	2Y42650.D	90.0	118.0	95.0
OP54634-MSD	2Y42651.D	84.0	109.0	88.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1

New Jersey

ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	4.6	8.8		
Antimony	6.0	.6	1.3		
Arsenic	3.0	.9	.92		
Barium	200	.3	.44		
Beryllium	1.0	.09	.24		
Bismuth	20	.7	.24		
Boron	100	.9	2		
Cadmium	3.0	.2	.2		
Calcium	5000	6.4	32		
Chromium	10	.3	.9		
Cobalt	50	.1	.3		
Copper	10	.4	.85		
Iron	100	3.3	7.7	3.4	<100
Lead	3.0	.9	1.7		
Lithium	20	.5	2.7		
Magnesium	5000	15	17		
Manganese	15	.04	.18		
Molybdenum	20	.3	1.7		
Nickel	10	.2	.41		
Palladium	50	.5	1.7		
Potassium	10000	16	62		
Selenium	10	1.6	1.8		
Silicon	200	2.8	9		
Silver	10	.4	.72		
Sodium	10000	6.3	14		
Sulfur	50	1.9	4.4		
Strontium	10	.1	.3		
Thallium	2.0	.9	1.7		
Tin	10	.4	1.1		
Titanium	10	.3	.88		
Tungsten	50	1.3	6.5		
Vanadium	50	.2	.43		
Zinc	20	.5	2.8		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	10	.2	4.5

Associated samples MP62576: JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/12

Metal	JA98327-1 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium					
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	10900	12300	1000	140.0(a)	75-125
Lead	anr				
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP62576: JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/12

Metal	JA98327-1 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	10900	11800	1000	90.0	4.1	20
Lead	anr					
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP62576: JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/12

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	5390	5500	98.0	80-120
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP62576: JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/12

Metal	JA98327-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	10900	11100	1.6	0-10
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62576
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP62576: JA98431-1, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN61645	5.0	0.0	mg/l	50	53.5	107.0	80-120%
BOD, 5 Day	GP62804/GN61216	2.0	0.0	mg/l	198	180	90.9	85-115%
BOD, 5 Day	GP62804/GN61216			mg/l	198	180	90.9	85-115%
Chemical Oxygen Demand	GP62922/GN61513	20	0.0	mg/l	50	47.9	95.8	90-110%
Chemical Oxygen Demand	GP62922/GN61513	20	0.0	mg/l				
Iron, Ferrous	GN61295	0.20	0.0	mg/l				
Nitrogen, Nitrate + Nitrite	GP62883/GN61379	0.10	0.0	mg/l	2	2.02	101.0	90-110%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	0.10	0.0	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GN61210	0.010	0.0	mg/l	0.040	0.037	92.5	90-110%
Sulfate	GP62920/GN61494	10	0.0	mg/l	80	84.3	105.4	90-110%
Sulfide	GN61417	2.0	0.0	mg/l	4.5	4.5	100.0	80-120%

Associated Samples:
Batch GN61210: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61295: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61417: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61645: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62804: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62883: JA98431-1, JA98431-2
Batch GP62920: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62922: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62945: JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN61645	JA98431-1	mg/l	91.1	90.5	0.7	0-10%
BOD, 5 Day	GP62804/GN61216	JA98432-1	mg/l	0.46 U	0.0	0.0	0-33%
Chemical Oxygen Demand	GP62922/GN61513	JA98431-1	mg/l	26.6	26.6	0.0	0-32%
Iron, Ferrous	GN61295	JA98431-8	mg/l	0.028	0.028	0.0	0-12%
Nitrogen, Nitrate + Nitrite	GP62883/GN61379	JA98490-1	mg/l	0.0	0.0	0.0	0-26%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	JA98431-8	mg/l	0.089	0.090	1.1	0-26%
Nitrogen, Nitrite	GN61210	JA98424-5	mg/l	0.0	0.0	0.0	0-22%
Sulfate	GP62920/GN61494	JA98431-1	mg/l	38.3	37.4	2.4	0-20%
Sulfide	GN61417	JA98431-1	mg/l	0.0	0.0	0.0	0-14%

Associated Samples:
Batch GN61210: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61295: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61417: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61645: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62804: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62883: JA98431-1, JA98431-2
Batch GP62920: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62922: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62945: JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98431
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chemical Oxygen Demand	GP62922/GN61513	JA98431-1	mg/l	26.6	50	74.5	95.8	54-139%
Nitrogen, Nitrate + Nitrite	GP62883/GN61379	JA98490-1	mg/l	0.0	1	1.0	100.0	90-110%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	JA98431-8	mg/l	0.089	2	2.4	115.6N(a)	90-110%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	JA98431-11	mg/l	0.24	2	2.2	98.0	90-110%
Nitrogen, Nitrite	GN61210	JA98424-5	mg/l	0.0	0.040	0.026	65.0	64-117%
Sulfate	GP62920/GN61494	JA98431-1	mg/l	38.3	80	120	102.1	80-120%
Sulfate	GP62920/GN61494	JA98431-11	mg/l	51.4	80	136	105.8	80-120%
Sulfide	GN61417	JA98431-2	mg/l	0.0	3.1	3.1	100.0	60-125%

Associated Samples:
Batch GN61210: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GN61417: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62883: JA98431-1, JA98431-2
Batch GP62920: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62922: JA98431-1, JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-2, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
Batch GP62945: JA98431-10, JA98431-11, JA98431-12, JA98431-13, JA98431-14, JA98431-15, JA98431-3, JA98431-4, JA98431-5, JA98431-6, JA98431-7, JA98431-8, JA98431-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

New Jersey
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02/10/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA98452

Sampling Date: 02/01/12

Report to:

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Total number of pages in report: **28**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA98452-1: RW1 6
3.2: JA98452-2: RW3 7
3.3: JA98452-3: RW10 8
3.4: JA98452-4: RW19 9
3.5: JA98452-5: RW20 10
3.6: JA98452-6: RW21 11
3.7: JA98452-7: RW22 12
3.8: JA98452-8: RW23 13
Section 4: Misc. Forms **14**
4.1: Chain of Custody 15
Section 5: GC/MS Volatiles - QC Data Summaries **18**
5.1: Method Blank Summary 19
5.2: Blank Spike Summary 21
5.3: Matrix Spike/Matrix Spike Duplicate Summary 23
5.4: Instrument Performance Checks (BFB) 25
5.5: Surrogate Recovery Summaries 28

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98452

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98452-1	02/01/12	14:10	RS	02/02/12	AQ	Ground Water	RW1
JA98452-2	02/01/12	14:13	RS	02/02/12	AQ	Ground Water	RW3
JA98452-3	02/01/12	14:17	RS	02/02/12	AQ	Ground Water	RW10
JA98452-4	02/01/12	13:36	RS	02/02/12	AQ	Ground Water	RW19
JA98452-5	02/01/12	13:41	RS	02/02/12	AQ	Ground Water	RW20
JA98452-6	02/01/12	13:45	RS	02/02/12	AQ	Ground Water	RW21
JA98452-7	02/01/12	13:52	RS	02/02/12	AQ	Ground Water	RW22
JA98452-8	02/01/12	13:56	RS	02/02/12	AQ	Ground Water	RW23

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98452
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	2/10/2012 2:44:10 PM

On 02/02/2012, 8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98452 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VU7200

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98452-8MS, JA98452-8MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Methyl Tert Butyl Ether are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** VU7203

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97975-1MS, JA97975-1MSD were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RW1		
Lab Sample ID:	JA98452-1	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155016.D	1	02/07/12	TDN	n/a	n/a	VU7200
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.1	1.0	0.22	ug/l	
108-88-3	Toluene	0.80	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	3.8	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	18.7	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.9	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	0.66	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		77-120%
17060-07-0	1,2-Dichloroethane-D4	94%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	96%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW3		
Lab Sample ID:	JA98452-2	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155017.D	1	02/07/12	TDN	n/a	n/a	VU7200
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.1	1.0	0.22	ug/l	
108-88-3	Toluene	0.72	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	2.9	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	14.2	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.0	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		77-120%
17060-07-0	1,2-Dichloroethane-D4	95%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	99%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW10		
Lab Sample ID:	JA98452-3	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155018.D	1	02/07/12	TDN	n/a	n/a	VU7200
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	14.3	1.0	0.22	ug/l	
108-88-3	Toluene	0.52	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	1.7	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	9.9	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	16.1	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	82.0	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	2.8	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	1.6	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		77-120%
17060-07-0	1,2-Dichloroethane-D4	94%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	94%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW19		
Lab Sample ID:	JA98452-4	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155009.D	1	02/07/12	TDN	n/a	n/a	VU7200
Run #2	U155003.D	10	02/06/12	TDN	n/a	n/a	VU7200

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.6	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	0.53	1.0	0.17	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	760 [a]	10	1.8	ug/l	
75-65-0	Tert Butyl Alcohol	86.4	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	7.3	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	7.2	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	89%	70-127%
2037-26-5	Toluene-D8	97%	98%	79-120%
460-00-4	4-Bromofluorobenzene	97%	96%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW20		
Lab Sample ID:	JA98452-5	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155010.D	2	02/07/12	TDN	n/a	n/a	VU7200
Run #2	U155004.D	20	02/07/12	TDN	n/a	n/a	VU7200

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.0	2.0	0.44	ug/l	
108-88-3	Toluene	ND	2.0	0.29	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.42	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1200 [a]	20	3.7	ug/l	
75-65-0	Tert Butyl Alcohol	112	50	3.7	ug/l	
108-20-3	Di-Isopropyl ether	8.0 [a]	100	5.0	ug/l	J
108-20-3	Di-Isopropyl ether	ND	10	0.50	ug/l	
994-05-8	tert-Amyl Methyl Ether	15.6	10	0.65	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	10	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	96%	90%	70-127%
2037-26-5	Toluene-D8	97%	96%	79-120%
460-00-4	4-Bromofluorobenzene	97%	98%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW21		
Lab Sample ID:	JA98452-6	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155087.D	1	02/08/12	TDN	n/a	n/a	VU7203
Run #2	U155011.D	5	02/07/12	TDN	n/a	n/a	VU7200

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.1	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	392 [a]	5.0	0.92	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	5.6	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	4.6 [a]	25	1.6	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	95%	70-127%
2037-26-5	Toluene-D8	96%	97%	79-120%
460-00-4	4-Bromofluorobenzene	98%	98%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW22		
Lab Sample ID:	JA98452-7	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155012.D	10	02/07/12	TDN	n/a	n/a	VU7200
Run #2	U155006.D	100	02/07/12	TDN	n/a	n/a	VU7200

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.9	10	2.2	ug/l	J
108-88-3	Toluene	ND	10	1.5	ug/l	
100-41-4	Ethylbenzene	ND	10	2.1	ug/l	
1330-20-7	Xylene (total)	ND	10	1.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5320 [a]	100	18	ug/l	
75-65-0	Tert Butyl Alcohol	1110	250	19	ug/l	
108-20-3	Di-Isopropyl ether	23.1	50	2.5	ug/l	J
994-05-8	tert-Amyl Methyl Ether	66.2	50	3.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	50	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	93%	70-127%
2037-26-5	Toluene-D8	99%	97%	79-120%
460-00-4	4-Bromofluorobenzene	98%	98%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW23		
Lab Sample ID:	JA98452-8	**Date Sampled:**	02/01/12
Matrix:	AQ - Ground Water	**Date Received:**	02/02/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155008.D	5	02/07/12	TDN	n/a	n/a	VU7200
Run #2	U155007.D	50	02/07/12	TDN	n/a	n/a	VU7200

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	13.7	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	0.73	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.1	ug/l	
1330-20-7	Xylene (total)	3.4	5.0	0.87	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	2390 [a]	50	9.2	ug/l	
75-65-0	Tert Butyl Alcohol	362	130	9.3	ug/l	
108-20-3	Di-Isopropyl ether	16.8	25	1.3	ug/l	J
994-05-8	tert-Amyl Methyl Ether	28.8	25	1.6	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	25	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	93%	70-127%
2037-26-5	Toluene-D8	97%	97%	79-120%
460-00-4	4-Bromofluorobenzene	96%	97%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- ☐ XENCO ( )
- ☐ Test America ( )
- ☑ OTHER ( )
  - ☑ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Adriane Rogers

PO #:

INCIDENT # (ENV SERVICES): 97436977(137675

SAP #: 137675

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 12420 Milestone Center Drive, Suite 150, Germantown, MD 20876

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-820-3241

FAX: 301-820-3409

Bill To Contact E-MAIL: Adriane.Rogers@urs.com

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 1°C ; Cooler #2 ; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
Incl 402 intact

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

SITE ADDRESS: Street and City: 15541 New Hampshire Ave Silver Spring

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Data Location): Adriane Rogers

Phone No.: 301-820-3241

E-MAIL: Adriane.Rogers@urs.com

CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print): Roderick Sampt

LAB USE ONLY: JA98452

REQUESTED ANALYSIS

Line order ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	Full VOCs, Day 5 + Ethanol (Method 8260)	[redacted]	[redacted]	Container PID Readings or Laboratory Notes
1	RW1	2/12	1410	GW	X					3	X	[redacted]	[redacted]	895
2	RW3		1413	GW	X					3	X	[redacted]	[redacted]	
3	RW10		1417	GW	X					3	X	[redacted]	[redacted]	
4	RW19		1336	GW	X					3	X	[redacted]	[redacted]	
5	RW20		1341	GW	X					3	X	[redacted]	[redacted]	
6	RW21		1345	GW	X					3	X	[redacted]	[redacted]	
7	RW22		1352	GW	X					3	X	[redacted]	[redacted]	
8	RW23		1356	GW	X					3	X	[redacted]	[redacted]	
				[redacted]	[redacted]					[redacted]	[redacted]	[redacted]	[redacted]	
				[redacted]	[redacted]					[redacted]	[redacted]	[redacted]	[redacted]	

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FedX 8740808640092		
FedX	Mathews	2/12/12	0940

05/2/05 Revision

JA98452: Chain of Custody
Page 1 of 3

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- ☐ XENCO ( )
- ☐ Test America ( )
- ☑ OTHER ( )
  - ☑ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 97436977 (137675

SAP # 137675

☐ CHECK IF NO INCIDENT # APPLIES

DATE:

PAGE: of

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS, Street and City: 15541 New Hampshire Avenue, Silver Spring

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-258-9780

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print):

LAB USE ONLY: JA98452 REVISED

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX, MTBE, & Oxy5 (8260B)
	137675 - RW-03			GW	x					7	X
	137675 - RW-10			GW	x					7	X
	137675 - RW-19			GW	x					7	X
	137675 - RW-20			GW	x					7	X
	137675 - RW-21			GW	x					7	X
	137675 - RW-22			GW	x					7	X
	137675 - RW-23			GW	x					7	X
	137675 - RW-01			GW	x					7	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

4.1

4

JA98452: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98452 **Client:**

Date / Time Received: 2/2/2012 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Bar Therm	
3. Cooler media:	Ice (Bag)	

Quality Control Preservatio	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

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JA98452: Chain of Custody
Page 3 of 3

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7200-MB	U155001.D	1	02/06/12	TDN	n/a	n/a	VU7200

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-1, JA98452-2, JA98452-3, JA98452-4, JA98452-5, JA98452-6, JA98452-7, JA98452-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	98%	76-118%

Method Blank Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7203-MB	U155073.D	1	02/08/12	TDN	n/a	n/a	VU7203

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	70-127%
2037-26-5	Toluene-D8	96%	79-120%
460-00-4	4-Bromofluorobenzene	99%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7200-BS	U155002.D	1	02/06/12	TDN	n/a	n/a	VU7200

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-1, JA98452-2, JA98452-3, JA98452-4, JA98452-5, JA98452-6, JA98452-7, JA98452-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	45.0	90	76-119
108-20-3	Di-Isopropyl ether	50	47.9	96	59-130
100-41-4	Ethylbenzene	50	45.7	91	77-119
1634-04-4	Methyl Tert Butyl Ether	100	102	102	72-125
75-65-0	Tert Butyl Alcohol	250	227	91	67-136
994-05-8	tert-Amyl Methyl Ether	50	49.2	98	69-125
637-92-3	tert-Butyl Ethyl Ether	50	50.0	100	67-129
108-88-3	Toluene	50	47.5	95	77-122
1330-20-7	Xylene (total)	150	139	93	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	92%	76-118%

Blank Spike Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7203-BS	U155074.D	1	02/08/12	TDN	n/a	n/a	VU7203

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	49.7	99	76-119
108-20-3	Di-Isopropyl ether	50	50.5	101	59-130
100-41-4	Ethylbenzene	50	51.0	102	77-119
75-65-0	Tert Butyl Alcohol	250	249	100	67-136
994-05-8	tert-Amyl Methyl Ether	50	51.8	104	69-125
637-92-3	tert-Butyl Ethyl Ether	50	52.6	105	67-129
108-88-3	Toluene	50	53.2	106	77-122
1330-20-7	Xylene (total)	150	154	103	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	91%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98452-8MS	U155013.D	5	02/07/12	TDN	n/a	n/a	VU7200
JA98452-8MSD	U155014.D	5	02/07/12	TDN	n/a	n/a	VU7200
JA98452-8	U155008.D	5	02/07/12	TDN	n/a	n/a	VU7200
JA98452-8	U155007.D	50	02/07/12	TDN	n/a	n/a	VU7200

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-1, JA98452-2, JA98452-3, JA98452-4, JA98452-5, JA98452-6, JA98452-7, JA98452-8

CAS No.	Compound	JA98452-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	13.7		250	261	99	260	99	0	40-139/12
108-20-3	Di-Isopropyl ether	16.8	J	250	271	102	272	102	0	51-136/11
100-41-4	Ethylbenzene	ND		250	254	102	251	100	1	40-140/12
1634-04-4	Methyl Tert Butyl Ether	2390 [b]		250	2490	140* [a]	2500	144* [a]	0	54-136/12
75-65-0	Tert Butyl Alcohol	362		1250	1740	110	1720	109	1	57-153/16
994-05-8	tert-Amyl Methyl Ether	28.8		250	285	102	286	103	0	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		250	257	103	261	104	2	59-134/11
108-88-3	Toluene	ND		250	274	110	273	109	0	47-140/12
1330-20-7	Xylene (total)	3.4	J	750	775	103	767	102	1	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98452-8	JA98452-8	Limits
1868-53-7	Dibromofluoromethane	99%	97%	98%	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	95%	93%	70-127%
2037-26-5	Toluene-D8	98%	98%	97%	97%	79-120%
460-00-4	4-Bromofluorobenzene	92%	93%	96%	97%	76-118%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA97975-1MS	U155078.D	1	02/08/12	TDN	n/a	n/a	VU7203
JA97975-1MSD	U155079.D	1	02/08/12	TDN	n/a	n/a	VU7203
JA97975-1	U155077.D	1	02/08/12	TDN	n/a	n/a	VU7203

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98452-6

CAS No.	Compound	JA97975-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.82	J	50	51.8	102	51.3	101	1	40-139/12
108-20-3	Di-Isopropyl ether	ND		50	51.2	102	50.7	101	1	51-136/11
100-41-4	Ethylbenzene	ND		50	51.7	103	51.4	103	1	40-140/12
75-65-0	Tert Butyl Alcohol	ND		250	276	110	265	106	4	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	51.1	102	51.2	102	0	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		50	52.1	104	52.5	105	1	59-134/11
108-88-3	Toluene	0.63	J	50	54.4	108	54.2	107	0	47-140/12
1330-20-7	Xylene (total)	1.4		150	157	104	155	102	1	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA97975-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	94%	70-127%
2037-26-5	Toluene-D8	98%	98%	97%	79-120%
460-00-4	4-Bromofluorobenzene	93%	92%	96%	76-118%

Instrument Performance Check (BFB)

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VU7144-BFB
Lab File ID: U153742.D
Instrument ID: GCMSU
Injection Date: 01/05/12
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26688	19.2		Pass
75	30.0 - 60.0% of mass 95	64589	46.4		Pass
95	Base peak, 100% relative abundance	139056	100.0		Pass
96	5.0 - 9.0% of mass 95	8908	6.41		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	150379	108.1		Pass
175	5.0 - 9.0% of mass 174	12005	8.63	(7.98) [a]	Pass
176	95.0 - 101.0% of mass 174	147840	106.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	9441	6.79	(6.39) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7144-IC7144	U153743.D	01/05/12	11:12	00:29	Initial cal 1
VU7144-IC7144	U153744.D	01/05/12	11:43	01:00	Initial cal 0.5
VU7144-IC7144	U153745.D	01/05/12	12:12	01:29	Initial cal 2
VU7144-IC7144	U153746.D	01/05/12	12:42	01:59	Initial cal 5
VU7144-IC7144	U153747.D	01/05/12	13:19	02:36	Initial cal 10
VU7144-IC7144	U153748.D	01/05/12	13:48	03:05	Initial cal 20
VU7144-ICC7144	U153749.D	01/05/12	14:17	03:34	Initial cal 50
VU7144-IC7144	U153750.D	01/05/12	14:46	04:03	Initial cal 100
VU7144-IC7144	U153751.D	01/05/12	15:16	04:33	Initial cal 200
VU7144-ICV7144	U153754.D	01/05/12	18:29	07:46	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VU7200-BFB
Lab File ID: U154998.D
Instrument ID: GCMSU
Injection Date: 02/06/12
Injection Time: 20:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28853	18.5		Pass
75	30.0 - 60.0% of mass 95	71149	45.6		Pass
95	Base peak, 100% relative abundance	156053	100.0		Pass
96	5.0 - 9.0% of mass 95	10520	6.74		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	166613	106.8		Pass
175	5.0 - 9.0% of mass 174	14614	9.36	(8.77) [a]	Pass
176	95.0 - 101.0% of mass 174	162157	103.9	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11281	7.23	(6.96) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7200-CC7144	U154999.D	02/06/12	21:11	00:29	Continuing cal 50
VU7200-MB	U155001.D	02/06/12	22:38	01:56	Method Blank
VU7200-BS	U155002.D	02/06/12	23:07	02:25	Blank Spike
JA98452-4	U155003.D	02/06/12	23:36	02:54	RW19
JA98452-5	U155004.D	02/07/12	00:06	03:24	RW20
JA98452-7	U155006.D	02/07/12	01:04	04:22	RW22
JA98452-8	U155007.D	02/07/12	01:33	04:51	RW23
JA98452-8	U155008.D	02/07/12	02:02	05:20	RW23
JA98452-4	U155009.D	02/07/12	02:31	05:49	RW19
JA98452-5	U155010.D	02/07/12	03:00	06:18	RW20
JA98452-6	U155011.D	02/07/12	03:29	06:47	RW21
JA98452-7	U155012.D	02/07/12	03:58	07:16	RW22
JA98452-8MS	U155013.D	02/07/12	04:27	07:45	Matrix Spike
JA98452-8MSD	U155014.D	02/07/12	04:56	08:14	Matrix Spike Duplicate
JA98452-1	U155016.D	02/07/12	05:54	09:12	RW1
JA98452-2	U155017.D	02/07/12	06:23	09:41	RW3
JA98452-3	U155018.D	02/07/12	06:53	10:11	RW10
ZZZZZZ	U155019.D	02/07/12	07:22	10:40	(unrelated sample)
ZZZZZZ	U155020.D	02/07/12	07:51	11:09	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VU7203-BFB
Lab File ID: U155070.D
Instrument ID: GCMSU
Injection Date: 02/08/12
Injection Time: 07:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25867	18.9		Pass
75	30.0 - 60.0% of mass 95	65037	47.6		Pass
95	Base peak, 100% relative abundance	136555	100.0		Pass
96	5.0 - 9.0% of mass 95	9237	6.76		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	144275	105.7		Pass
175	5.0 - 9.0% of mass 174	12330	9.03	(8.55) [a]	Pass
176	95.0 - 101.0% of mass 174	140848	103.1	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	10212	7.48	(7.25) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7203-CC7144	U155071.D	02/08/12	08:30	00:36	Continuing cal 20
VU7203-MB	U155073.D	02/08/12	09:36	01:42	Method Blank
VU7203-BS	U155074.D	02/08/12	10:06	02:12	Blank Spike
ZZZZZZ	U155076.D	02/08/12	11:04	03:10	(unrelated sample)
JA97975-1	U155077.D	02/08/12	11:34	03:40	(used for QC only; not part of job JA98452)
JA97975-1MS	U155078.D	02/08/12	12:39	04:45	Matrix Spike
JA97975-1MSD	U155079.D	02/08/12	13:08	05:14	Matrix Spike Duplicate
ZZZZZZ	U155081.D	02/08/12	14:06	06:12	(unrelated sample)
ZZZZZZ	U155082.D	02/08/12	14:36	06:42	(unrelated sample)
ZZZZZZ	U155083.D	02/08/12	15:05	07:11	(unrelated sample)
ZZZZZZ	U155084.D	02/08/12	15:34	07:40	(unrelated sample)
ZZZZZZ	U155085.D	02/08/12	16:04	08:10	(unrelated sample)
ZZZZZZ	U155086.D	02/08/12	16:33	08:39	(unrelated sample)
JA98452-6	U155087.D	02/08/12	17:03	09:09	RW21
ZZZZZZ	U155088.D	02/08/12	17:32	09:38	(unrelated sample)
ZZZZZZ	U155089.D	02/08/12	18:01	10:07	(unrelated sample)
ZZZZZZ	U155090.D	02/08/12	18:31	10:37	(unrelated sample)
ZZZZZZ	U155092.D	02/08/12	19:30	11:36	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA98452
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98452-1	U155016.D	97.0	94.0	97.0	96.0
JA98452-2	U155017.D	99.0	95.0	97.0	99.0
JA98452-3	U155018.D	98.0	94.0	97.0	94.0
JA98452-4	U155009.D	97.0	94.0	97.0	97.0
JA98452-4	U155003.D	94.0	89.0	98.0	96.0
JA98452-5	U155010.D	100.0	96.0	97.0	97.0
JA98452-5	U155004.D	96.0	90.0	96.0	98.0
JA98452-6	U155087.D	98.0	94.0	96.0	98.0
JA98452-6	U155011.D	96.0	95.0	97.0	98.0
JA98452-7	U155012.D	97.0	95.0	99.0	98.0
JA98452-7	U155006.D	98.0	93.0	97.0	98.0
JA98452-8	U155008.D	98.0	95.0	97.0	96.0
JA98452-8	U155007.D	96.0	93.0	97.0	97.0
JA97975-1MS	U155078.D	99.0	94.0	98.0	93.0
JA97975-1MSD	U155079.D	99.0	91.0	98.0	92.0
JA98452-8MS	U155013.D	99.0	94.0	98.0	92.0
JA98452-8MSD	U155014.D	97.0	93.0	98.0	93.0
VU7200-BS	U155002.D	97.0	89.0	98.0	92.0
VU7200-MB	U155001.D	95.0	89.0	98.0	98.0
VU7203-BS	U155074.D	97.0	93.0	98.0	91.0
VU7203-MB	U155073.D	97.0	95.0	96.0	99.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey
ACCUTEST LABORATORIES

02/13/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA98546

Sampling Date: 02/02/12

Report to:

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ATTN: Jenna Anthony

Total number of pages in report: **40**

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA98546-1: 601 BRYANTS NURSERY 6
Section 4: Misc. Forms **11**
4.1: Chain of Custody 12
Section 5: GC/MS Volatiles - QC Data Summaries **14**
5.1: Method Blank Summary 15
5.2: Blank Spike Summary 18
5.3: Matrix Spike Summary 21
5.4: Duplicate Summary 24
5.5: Instrument Performance Checks (BFB) 27
5.6: Surrogate Recovery Summaries 29
Section 6: GC Volatiles - QC Data Summaries **30**
6.1: Method Blank Summary 31
6.2: Blank Spike Summary 33
6.3: Matrix Spike/Matrix Spike Duplicate Summary 34
6.4: Surrogate Recovery Summaries 35
Section 7: GC Semi-volatiles - QC Data Summaries **36**
7.1: Method Blank Summary 37
7.2: Blank Spike Summary 38
7.3: Matrix Spike/Matrix Spike Duplicate Summary 39
7.4: Surrogate Recovery Summaries 40

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98546

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98546-1	02/02/12	08:40	RB	02/03/12	DW	Drinking Water	601 BRYANTS NURSERY

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98546
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	2/13/2012 6:21:03 PM

On 02/03/2012, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98546 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method EPA 524.2 REV 4.1

Matrix: AQ **Batch ID:** V1B3012

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98709-1MS, JA98743-1DUP were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GLM2097

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-7MS, JA98545-7MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP54670

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-1MS, JA98545-1MSD were used as the QC samples indicated.
- OP54670-MS for Tetracosane-d50: Outside of in house control limits.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	601 BRYANTS NURSERY		
Lab Sample ID:	JA98546-1	**Date Sampled:**	02/02/12
Matrix:	DW - Drinking Water	**Date Received:**	02/03/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B65477.D	1	02/07/12	MFH	n/a	n/a	V1B3012
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.5	ug/l	
78-93-3	2-Butanone	ND		5.0	0.91	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.034	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.086	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.15	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.063	ug/l	
75-25-2	Bromoform	ND		0.50	0.11	ug/l	
74-83-9	Bromomethane	ND		0.50	0.21	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.086	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.19	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.052	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.042	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.067	ug/l	
75-00-3	Chloroethane	ND		0.50	0.22	ug/l	
67-66-3	Chloroform	ND		0.50	0.075	ug/l	
74-87-3	Chloromethane	ND		0.50	0.082	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.093	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.058	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.086	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.072	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.069	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.073	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.12	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.073	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.18	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.092	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.049	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	601 BRYANTS NURSERY		
Lab Sample ID:	JA98546-1	**Date Sampled:**	02/02/12
Matrix:	DW - Drinking Water	**Date Received:**	02/03/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.069	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.062	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.085	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.051	ug/l	
108-20-3	Di-Isopropyl ether	ND		0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.20	ug/l	
637-92-3	Ethyl tert Butyl Ether	ND		0.50	0.076	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.077	ug/l	
110-54-3	Hexane	ND		0.50	0.13	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.37	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.16	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.096	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.13	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.058	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.28	ug/l	
91-20-3	Naphthalene	ND		0.50	0.12	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.064	ug/l	
100-42-5	Styrene	ND	100	0.50	0.052	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND		0.50	0.14	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.065	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.078	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.12	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.058	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.24	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.14	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.089	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.085	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.067	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.083	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.13	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND		5.0	1.2	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.12	ug/l	
	m,p-Xylene	ND		1.0	0.26	ug/l	
95-47-6	o-Xylene	ND		0.50	0.044	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.044	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	601 BRYANTS NURSERY		
Lab Sample ID:	JA98546-1	**Date Sampled:**	02/02/12
Matrix:	DW - Drinking Water	**Date Received:**	02/03/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

VOA List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	88%		78-114%
460-00-4	4-Bromofluorobenzene	92%		77-115%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	601 BRYANTS NURSERY		
Lab Sample ID:	JA98546-1	**Date Sampled:**	02/02/12
Matrix:	DW - Drinking Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52010.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND		0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	601 BRYANTS NURSERY		
Lab Sample ID:	JA98546-1	**Date Sampled:**	02/02/12
Matrix:	DW - Drinking Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21573.D	1	02/07/12	CS	02/06/12	OP54670	G2Z907
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND		0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		34-131%
16416-32-3	Tetracosane-d50	100%		15-119%
438-22-2	5a-Androstane	83%		11-119%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [x] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CH
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #:

INCIDENT # (ENV SERVICES): 97436977 137675

SAP #: 137675

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2-21-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

SITE ADDRESS, Street and City:

State:

GLOBAL ID NO.:

ADDRESS: 12420 Milestone Center Drive, Suite 150, Germantown, MD 20876

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-820-3241

E-MAIL: Adriane.Rogers@urs.com

CONSULTANT PROJECT NO.: 137675

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

SAMPLER NAME(S) (Print): Robert Burns

LAB USE ONLY

TELEPHONE: 301-820-3241

FAX: 301-820-3409

Bill To Contact E-MAIL: Adriane.Rogers@urs.com

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] LIST AGENCY:

DELIVERABLES:
- [ ] LEVEL 1
- [x] LEVEL 2
- [ ] LEVEL 3
- [ ] LEVEL 4
- [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 1.0°CB; Cooler #2; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
Seen 994 Entry

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS: JA98546

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	Field Filtered + DRYS (SPK2)	Dr Mem Filter - TMBE	FIELD NOTES: Container PID Readings or Laboratory Notes
	601 Bryants Nursery	2/17	0840	DW	X					6	X	X	X		EX36, 897

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FED EX 8740 8086 4060		
FEDEX	Mathews	2-3-12	0930

05/2/08 Revision

No Trip Blank Received

ZA

JA98546: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98546 **Client:**

Date / Time Received: 2/3/2012 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98546: Chain of Custody
Page 2 of 2

New Jersey

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-MB1	1B65464.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	1.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.91	ug/l	
71-43-2	Benzene	ND	0.50	0.034	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.086	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.15	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.063	ug/l	
75-25-2	Bromoform	ND	0.50	0.11	ug/l	
74-83-9	Bromomethane	ND	0.50	0.21	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.086	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.19	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.052	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.042	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.067	ug/l	
75-00-3	Chloroethane	ND	0.50	0.22	ug/l	
67-66-3	Chloroform	ND	0.50	0.075	ug/l	
74-87-3	Chloromethane	ND	0.50	0.082	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.093	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.058	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.086	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.072	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.069	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.073	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.12	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.073	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.18	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.092	ug/l	
74-95-3	Dibromomethane	ND	0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.049	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.069	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.062	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-MB1	1B65464.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.085	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.051	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.20	ug/l	
637-92-3	Ethyl tert Butyl Ether	ND	0.50	0.076	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.077	ug/l	
110-54-3	Hexane	ND	0.50	0.13	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.37	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.16	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.096	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.13	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.058	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.28	ug/l	
91-20-3	Naphthalene	ND	0.50	0.12	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.064	ug/l	
100-42-5	Styrene	ND	0.50	0.052	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	0.50	0.14	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.065	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.078	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.058	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.24	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.14	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.089	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.085	ug/l	
108-88-3	Toluene	ND	0.50	0.067	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.083	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.13	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	5.0	1.2	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.12	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.044	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	0.044	ug/l	

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-MB1	1B65464.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Surrogate Recoveries		Limits
2199-69-1	1,2-Dichlorobenzene-d4	88%	78-114%
460-00-4	4-Bromofluorobenzene	92%	77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-BS	1B65465.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	20	18.6	93	70-130
78-93-3	2-Butanone	20	19.5	98	70-130
71-43-2	Benzene	5	5.8	116	70-130
108-86-1	Bromobenzene	5	5.0	100	70-130
74-97-5	Bromochloromethane	5	5.3	106	70-130
75-27-4	Bromodichloromethane	5	5.4	108	70-130
75-25-2	Bromoform	5	4.6	92	70-130
74-83-9	Bromomethane	2	2.1	105	70-130
104-51-8	n-Butylbenzene	5	5.2	104	70-130
135-98-8	sec-Butylbenzene	5	5.3	106	70-130
98-06-6	tert-Butylbenzene	5	5.2	104	70-130
75-15-0	Carbon disulfide	5	5.8	116	70-130
108-90-7	Chlorobenzene	5	5.4	108	70-130
75-00-3	Chloroethane	2	2.1	105	70-130
67-66-3	Chloroform	5	5.5	110	70-130
74-87-3	Chloromethane	2	2.1	105	70-130
95-49-8	o-Chlorotoluene	5	5.1	102	70-130
106-43-4	p-Chlorotoluene	5	5.3	106	70-130
56-23-5	Carbon tetrachloride	5	5.7	114	70-130
75-34-3	1,1-Dichloroethane	5	5.6	112	70-130
75-35-4	1,1-Dichloroethylene	5	5.6	112	70-130
563-58-6	1,1-Dichloropropene	5	5.9	118	70-130
96-12-8	1,2-Dibromo-3-chloropropane	5	3.9	78	70-130
106-93-4	1,2-Dibromoethane	5	4.9	98	70-130
107-06-2	1,2-Dichloroethane	5	5.3	106	70-130
78-87-5	1,2-Dichloropropane	5	5.8	116	70-130
142-28-9	1,3-Dichloropropane	5	5.3	106	70-130
594-20-7	2,2-Dichloropropane	5	5.4	108	70-130
124-48-1	Dibromochloromethane	5	4.9	98	70-130
74-95-3	Dibromomethane	5	5.1	102	70-130
75-71-8	Dichlorodifluoromethane	2	2.2	110	70-130
541-73-1	m-Dichlorobenzene	5	4.9	98	70-130
95-50-1	o-Dichlorobenzene	5	4.9	98	70-130
106-46-7	p-Dichlorobenzene	5	5.0	100	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.8	116	70-130
156-59-2	cis-1,2-Dichloroethylene	5	5.4	108	70-130

Blank Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-BS	1B65465.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	5	5.4	108	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.3	106	70-130
108-20-3	Di-Isopropyl ether	5	5.1	102	70-130
100-41-4	Ethylbenzene	5	5.4	108	70-130
637-92-3	Ethyl tert Butyl Ether	5	5.5	110	70-130
87-68-3	Hexachlorobutadiene	5	4.7	94	70-130
110-54-3	Hexane	5	6.3	126	70-130
591-78-6	2-Hexanone	20	19.5	98	70-130
98-82-8	Isopropylbenzene	5	5.3	106	70-130
99-87-6	p-Isopropyltoluene	5	5.0	100	70-130
75-09-2	Methylene chloride	5	5.5	110	70-130
1634-04-4	Methyl Tert Butyl Ether	10	10.2	102	70-130
108-10-1	4-Methyl-2-pentanone	20	19.9	100	70-130
91-20-3	Naphthalene	5	4.3	86	70-130
103-65-1	n-Propylbenzene	5	5.4	108	70-130
100-42-5	Styrene	5	4.9	98	70-130
994-05-8	tert-Amyl Methyl Ether	5	5.5	110	70-130
630-20-6	1,1,1,2-Tetrachloroethane	5	5.0	100	70-130
71-55-6	1,1,1-Trichloroethane	5	5.5	110	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	5.2	104	70-130
79-00-5	1,1,2-Trichloroethane	5	5.4	108	70-130
87-61-6	1,2,3-Trichlorobenzene	5	4.5	90	70-130
96-18-4	1,2,3-Trichloropropane	5	4.6	92	70-130
120-82-1	1,2,4-Trichlorobenzene	5	4.5	90	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.1	102	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.1	102	70-130
127-18-4	Tetrachloroethylene	5	5.0	100	70-130
108-88-3	Toluene	5	5.6	112	70-130
79-01-6	Trichloroethylene	5	5.4	108	70-130
75-69-4	Trichlorofluoromethane	2	2.0	100	70-130
75-65-0	Tertiary Butyl Alcohol	25	19.5	78	70-130
75-01-4	Vinyl chloride	2	2.2	110	70-130
	m,p-Xylene	10	10.8	108	70-130
95-47-6	o-Xylene	5	5.3	106	70-130
1330-20-7	Xylenes (total)	15	16.0	107	70-130

Blank Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1B3012-BS	1B65465.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Surrogate Recoveries	BSP	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%	78-114%
460-00-4	4-Bromofluorobenzene	97%	77-115%

Matrix Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98709-1MS	1B65474.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98709-1	1B65469.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	JA98709-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		20	15.0	75	41-142
78-93-3	2-Butanone	ND		20	15.2	76	55-129
71-43-2	Benzene	ND		5	4.7	94	53-138
108-86-1	Bromobenzene	ND		5	4.0	80	54-138
74-97-5	Bromochloromethane	ND		5	4.3	86	55-140
75-27-4	Bromodichloromethane	ND		5	4.2	84	57-147
75-25-2	Bromoform	ND		5	3.5	70	47-137
74-83-9	Bromomethane	ND		2	2.0	100	40-162
104-51-8	n-Butylbenzene	ND		5	4.3	86	45-144
135-98-8	sec-Butylbenzene	ND		5	4.5	90	46-145
98-06-6	tert-Butylbenzene	ND		5	4.3	86	48-141
75-15-0	Carbon disulfide	ND		5	4.3	86	35-127
108-90-7	Chlorobenzene	ND		5	4.3	86	54-135
75-00-3	Chloroethane	ND		2	2.1	105	38-153
67-66-3	Chloroform	ND		5	4.4	88	57-151
74-87-3	Chloromethane	ND		2	2.2	110	39-165
95-49-8	o-Chlorotoluene	ND		5	4.2	84	55-142
106-43-4	p-Chlorotoluene	ND		5	4.3	86	55-139
56-23-5	Carbon tetrachloride	ND		5	5.0	100	49-170
75-34-3	1,1-Dichloroethane	ND		5	4.7	94	55-149
75-35-4	1,1-Dichloroethylene	ND		5	5.1	102	42-142
563-58-6	1,1-Dichloropropene	ND		5	5.0	100	46-151
96-12-8	1,2-Dibromo-3-chloropropane	ND		5	3.1	62	48-141
106-93-4	1,2-Dibromoethane	ND		5	4.0	80	57-135
107-06-2	1,2-Dichloroethane	ND		5	4.2	84	59-166
78-87-5	1,2-Dichloropropane	ND		5	4.6	92	53-142
142-28-9	1,3-Dichloropropane	ND		5	4.3	86	58-143
594-20-7	2,2-Dichloropropane	ND		5	4.6	92	38-165
124-48-1	Dibromochloromethane	ND		5	3.9	78	55-138
74-95-3	Dibromomethane	ND		5	4.1	82	61-144
75-71-8	Dichlorodifluoromethane	ND		2	2.7	135	23-172
541-73-1	m-Dichlorobenzene	ND		5	4.0	80	53-138
95-50-1	o-Dichlorobenzene	ND		5	4.0	80	54-140
106-46-7	p-Dichlorobenzene	ND		5	4.0	80	53-137
156-60-5	trans-1,2-Dichloroethylene	ND		5	4.8	96	47-148
156-59-2	cis-1,2-Dichloroethylene	ND		5	4.5	90	51-146

Matrix Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98709-1MS	1B65474.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98709-1	1B65469.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	JA98709-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
10061-01-5	cis-1,3-Dichloropropene	ND		5	4.3	86	51-136
10061-02-6	trans-1,3-Dichloropropene	ND		5	4.2	84	54-142
108-20-3	Di-Isopropyl ether	ND		5	4.6	92	38-142
100-41-4	Ethylbenzene	ND		5	4.4	88	51-138
637-92-3	Ethyl tert Butyl Ether	ND		5	4.8	96	49-134
87-68-3	Hexachlorobutadiene	ND		5	4.0	80	40-154
110-54-3	Hexane	ND		5	6.7	134	22-142
591-78-6	2-Hexanone	ND		20	16.3	82	53-128
98-82-8	Isopropylbenzene	ND		5	4.3	86	49-139
99-87-6	p-Isopropyltoluene	ND		5	4.2	84	45-141
75-09-2	Methylene chloride	ND		5	4.3	86	54-137
1634-04-4	Methyl Tert Butyl Ether	ND		5	4.1	82	53-143
108-10-1	4-Methyl-2-pentanone	ND		20	16.4	82	58-127
91-20-3	Naphthalene	ND		5	3.2	64	44-140
103-65-1	n-Propylbenzene	ND		5	4.5	90	50-142
100-42-5	Styrene	ND		5	3.8	76	23-130
994-05-8	tert-Amyl Methyl Ether	ND		5	4.7	94	51-125
630-20-6	1,1,1,2-Tetrachloroethane	ND		5	4.0	80	57-144
71-55-6	1,1,1-Trichloroethane	ND		5	4.8	96	52-164
79-34-5	1,1,2,2-Tetrachloroethane	ND		5	4.3	86	58-138
79-00-5	1,1,2-Trichloroethane	ND		5	4.4	88	59-139
87-61-6	1,2,3-Trichlorobenzene	ND		5	3.4	68	47-141
96-18-4	1,2,3-Trichloropropane	ND		5	3.9	78	56-148
120-82-1	1,2,4-Trichlorobenzene	ND		5	3.5	70	46-137
95-63-6	1,2,4-Trimethylbenzene	ND		5	4.1	82	41-138
108-67-8	1,3,5-Trimethylbenzene	ND		5	4.2	84	45-138
127-18-4	Tetrachloroethylene	ND		5	4.2	84	45-145
108-88-3	Toluene	ND		5	4.6	92	52-134
79-01-6	Trichloroethylene	ND		5	4.6	92	54-143
75-69-4	Trichlorofluoromethane	ND		2	2.3	115	36-167
75-65-0	Tertiary Butyl Alcohol	ND		25	19.0	76	61-132
75-01-4	Vinyl chloride	ND		2	2.3	115	35-162
	m,p-Xylene	ND		10	8.9	89	49-135
95-47-6	o-Xylene	ND		5	4.2	84	49-134
1330-20-7	Xylenes (total)	ND		15	13.1	87	50-134

Matrix Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98709-1MS	1B65474.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98709-1	1B65469.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Surrogate Recoveries	MS	JA98709-1	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%	89%	78-114%
460-00-4	4-Bromofluorobenzene	96%	93%	77-115%

Duplicate Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98743-1DUP	1B65475.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98743-1	1B65470.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	JA98743-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	10
78-93-3	2-Butanone	ND		ND		nc	12
71-43-2	Benzene	ND		ND		nc	10
108-86-1	Bromobenzene	ND		ND		nc	10
74-97-5	Bromochloromethane	ND		ND		nc	10
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
104-51-8	n-Butylbenzene	ND		ND		nc	10
135-98-8	sec-Butylbenzene	ND		ND		nc	10
98-06-6	tert-Butylbenzene	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	19
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	ND		ND		nc	10
95-49-8	o-Chlorotoluene	ND		ND		nc	10
106-43-4	p-Chlorotoluene	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	10
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	10
563-58-6	1,1-Dichloropropene	ND		ND		nc	10
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	10
142-28-9	1,3-Dichloropropane	ND		ND		nc	10
594-20-7	2,2-Dichloropropane	ND		ND		nc	10
124-48-1	Dibromochloromethane	ND		ND		nc	10
74-95-3	Dibromomethane	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	10
541-73-1	m-Dichlorobenzene	ND		ND		nc	10
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10

Duplicate Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98743-1DUP	1B65475.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98743-1	1B65470.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Compound	JA98743-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
108-20-3	Di-Isopropyl ether	ND		ND		nc	10
100-41-4	Ethylbenzene	ND		ND		nc	10
637-92-3	Ethyl tert Butyl Ether	ND		ND		nc	10
87-68-3	Hexachlorobutadiene	ND		ND		nc	10
110-54-3	Hexane	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	10
99-87-6	p-Isopropyltoluene	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
1634-04-4	Methyl Tert Butyl Ether	0.46		0.46	J	0	10
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	10
91-20-3	Naphthalene	ND		ND		nc	10
103-65-1	n-Propylbenzene	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
994-05-8	tert-Amyl Methyl Ether	ND		ND		nc	10
630-20-6	1,1,1,2-Tetrachloroethane	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
96-18-4	1,2,3-Trichloropropane	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	10
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	10
127-18-4	Tetrachloroethylene	ND		ND		nc	10
108-88-3	Toluene	ND		ND		nc	10
79-01-6	Trichloroethylene	ND		ND		nc	10
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	10
95-47-6	o-Xylene	ND		ND		nc	10
1330-20-7	Xylenes (total)	ND		ND		nc	10

Duplicate Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98743-1DUP	1B65475.D	1	02/07/12	MFH	n/a	n/a	V1B3012
JA98743-1	1B65470.D	1	02/07/12	MFH	n/a	n/a	V1B3012

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

JA98546-1

CAS No.	Surrogate Recoveries	DUP	JA98743-1	Limits
2199-69-1	1,2-Dichlorobenzene-d4	87%	89%	78-114%
460-00-4	4-Bromofluorobenzene	92%	93%	77-115%

Instrument Performance Check (BFB)

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V1B2865-BFB
Lab File ID: 1B62291.D
Instrument ID: GCMS1B
Injection Date: 11/10/11
Injection Time: 09:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2287	16.8		Pass
75	30.0 - 80.0% of mass 95	6294	46.3		Pass
95	Base peak, 100% relative abundance	13597	100.0		Pass
96	5.0 - 9.0% of mass 95	975	7.17		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	10111	74.4		Pass
175	5.0 - 9.0% of mass 174	809	5.95	(8.00) [a]	Pass
176	95.0 - 101.0% of mass 174	9931	73.0	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	684	5.03	(6.89) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1B2865-IC2865	1B62292.D	11/10/11	10:14	00:33	Initial cal 0.5
V1B2865-IC2865	1B62293.D	11/10/11	10:46	01:05	Initial cal 1
V1B2865-IC2865	1B62294.D	11/10/11	11:18	01:37	Initial cal 2
V1B2865-IC2865	1B62295.D	11/10/11	11:50	02:09	Initial cal 5
V1B2865-ICC2865	1B62296.D	11/10/11	12:22	02:41	Initial cal 10
V1B2865-IC2865	1B62297.D	11/10/11	12:54	03:13	Initial cal 20
V1B2865-IC2865	1B62298.D	11/10/11	13:26	03:45	Initial cal 40
V1B2865-ICV2865	1B62300.D	11/10/11	14:30	04:49	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V1B3012-BFB
Lab File ID: 1B65462.D
Instrument ID: GCMS1B
Injection Date: 02/07/12
Injection Time: 08:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	1634	16.4		Pass
75	30.0 - 80.0% of mass 95	4614	46.2		Pass
95	Base peak, 100% relative abundance	9989	100.0		Pass
96	5.0 - 9.0% of mass 95	725	7.26		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	7518	75.3		Pass
175	5.0 - 9.0% of mass 174	570	5.71	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	7212	72.2	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	478	4.79	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1B3012-CC2865	1B65463.D	02/07/12	09:23	00:34	Continuing cal 5
V1B3012-MB1	1B65464.D	02/07/12	09:59	01:10	Method Blank
V1B3012-BS	1B65465.D	02/07/12	10:37	01:48	Blank Spike
ZZZZZZ	1B65466.D	02/07/12	11:34	02:45	(unrelated sample)
ZZZZZZ	1B65467.D	02/07/12	12:05	03:16	(unrelated sample)
ZZZZZZ	1B65468.D	02/07/12	12:37	03:48	(unrelated sample)
JA98709-1	1B65469.D	02/07/12	13:09	04:20	(used for QC only; not part of job JA98546)
JA98743-1	1B65470.D	02/07/12	13:41	04:52	(used for QC only; not part of job JA98546)
ZZZZZZ	1B65471.D	02/07/12	14:13	05:24	(unrelated sample)
ZZZZZZ	1B65472.D	02/07/12	14:45	05:56	(unrelated sample)
ZZZZZZ	1B65473.D	02/07/12	15:17	06:28	(unrelated sample)
JA98709-1MS	1B65474.D	02/07/12	15:49	07:00	Matrix Spike
JA98743-1DUP	1B65475.D	02/07/12	16:21	07:32	Duplicate
ZZZZZZ	1B65476.D	02/07/12	16:53	08:04	(unrelated sample)
JA98546-1	1B65477.D	02/07/12	17:21	08:32	601 BRYANTS NURSERY
ZZZZZZ	1B65478.D	02/07/12	17:53	09:04	(unrelated sample)
ZZZZZZ	1B65479.D	02/07/12	18:25	09:36	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: EPA 524.2 REV 4.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
JA98546-1	1B65477.D	88.0	92.0
JA98709-1MS	1B65474.D	93.0	96.0
JA98743-1DUP	1B65475.D	87.0	92.0
V1B3012-BS	1B65465.D	95.0	97.0
V1B3012-MB1	1B65464.D	88.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichlorobenzene-d4	78-114%
S2 = 4-Bromofluorobenzene	77-115%

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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB2	LM52009.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB1	LM52001.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

GLM2097-BS, JA98545-7MS, JA98545-7MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	68-114%

Blank Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-BS	LM52005.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	9.34	117	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	106%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-7MS	LM52006.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7MSD	LM52007.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7	LM52002.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	JA98545-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.230		8	7.23	88	7.41	90	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-7	Limits
98-08-8	aaa-Trifluorotoluene	103%	104%	88%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA98546-1	LM52010.D	88.0
GLM2097-BS	LM52005.D	106.0
GLM2097-MB2	LM52009.D	88.0
JA98545-7MS	LM52006.D	103.0
JA98545-7MSD	LM52007.D	104.0
GLM2097-MB1	LM52001.D	87.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-MB1	2Z21546.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	34-131%
16416-32-3	Tetracosane-d50	87%	15-119%
438-22-2	5a-Androstane	72%	11-119%

Blank Spike Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-BS1	2Z21547.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.395	40	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	76%	34-131%
16416-32-3	Tetracosane-d50	91%	15-119%
438-22-2	5a-Androstane	73%	11-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-MS	2Z21548.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
OP54670-MSD	2Z21549.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
JA98545-1	2Z21557.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98546-1

CAS No.	Compound	JA98545-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	0.295		2	1.93	82	1.90	80	2	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-1	Limits
84-15-1	o-Terphenyl	94%	93%	77%	34-131%
16416-32-3	Tetracosane-d50	120%* [a]	117%	98%	15-119%
438-22-2	5a-Androstane	99%	97%	78%	11-119%

(a) Outside of in house control limits.

Semivolatile Surrogate Recovery Summary

Job Number: JA98546
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA98546-1	2Z21573.D	81.0	100.0	83.0
OP54670-BS1	2Z21547.D	76.0	91.0	73.0
OP54670-MB1	2Z21546.D	79.0	87.0	72.0
OP54670-MS	2Z21548.D	94.0	120.0* [b]	99.0
OP54670-MSD	2Z21549.D	93.0	117.0	97.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1
(b) Outside of in house control limits.

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02/13/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA98555

Sampling Date: 02/02/12

Report to:

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Germantown, MD 20876
jenna_anthony@urscorp.com; adriane_rogers@urscorp.com

ATTN: Jenna Anthony

Total number of pages in report: **29**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA98555-1: 137675-730 BNS 6
3.2: JA98555-2: 137675-730 BND 7
3.3: JA98555-3: 137675-MW25S 8
3.4: JA98555-4: 137675-MW24S 9
3.5: JA98555-5: 137675-MW25D 10
3.6: JA98555-6: 137675-MW26S 11
3.7: JA98555-7: 137675-MW26D 12
3.8: JA98555-8: 137675-MW24D 13
Section 4: Misc. Forms **14**
4.1: Chain of Custody 15
Section 5: GC/MS Volatiles - QC Data Summaries **17**
5.1: Method Blank Summary 18
5.2: Blank Spike Summary 20
5.3: Matrix Spike/Matrix Spike Duplicate Summary 22
5.4: Instrument Performance Checks (BFB) 24
5.5: Surrogate Recovery Summaries 29

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98555

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98555-1	02/02/12	15:40	RB	02/03/12	AQ	Ground Water	137675-730 BNS
JA98555-2	02/02/12	15:00	RB	02/03/12	AQ	Ground Water	137675-730 BND
JA98555-3	02/02/12	10:55	RB	02/03/12	AQ	Ground Water	137675-MW25S
JA98555-4	02/02/12	09:23	RB	02/03/12	AQ	Ground Water	137675-MW24S
JA98555-5	02/02/12	10:25	RB	02/03/12	AQ	Ground Water	137675-MW25D
JA98555-6	02/02/12	12:10	RB	02/03/12	AQ	Ground Water	137675-MW26S
JA98555-7	02/02/12	11:40	RB	02/03/12	AQ	Ground Water	137675-MW26D
JA98555-8	02/02/12	09:00	RB	02/03/12	AQ	Ground Water	137675-MW24D

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98555
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	2/13/2012 1:31:51 PM

On 02/03/2012, 8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98555 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VS6399

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98481-3MS, JA98481-3MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VS6401

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98596-1MS, JA98596-1MSD were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675-730 BNS		
Lab Sample ID:	JA98555-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156083.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.4	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	0.27	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-730 BND		
Lab Sample ID:	JA98555-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156084.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.7	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	0.26	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	107%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW25S		
Lab Sample ID:	JA98555-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156085.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.48	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	28.4	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	0.39	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	0.86	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	105%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW24S		
Lab Sample ID:	JA98555-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156086.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2	S156133.D	5	02/07/12	NT	n/a	n/a	VS6401

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.3	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	275 [a]	5.0	0.92	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	3.5	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	6.6	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	99%	98%	70-127%
2037-26-5	Toluene-D8	108%	108%	79-120%
460-00-4	4-Bromofluorobenzene	105%	104%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW25D		
Lab Sample ID:	JA98555-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156087.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	86.3	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	1.4	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	2.2	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	100%		70-127%
2037-26-5	Toluene-D8	107%		79-120%
460-00-4	4-Bromofluorobenzene	102%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW26S		
Lab Sample ID:	JA98555-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156088.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	51.2	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	2.5	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	0.56	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW26D		
Lab Sample ID:	JA98555-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156089.D	10	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.3	10	2.2	ug/l	J
108-88-3	Toluene	ND	10	1.5	ug/l	
100-41-4	Ethylbenzene	ND	10	2.1	ug/l	
1330-20-7	Xylene (total)	ND	10	1.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1450	10	1.8	ug/l	
75-65-0	Tert Butyl Alcohol	ND	250	19	ug/l	
108-20-3	Di-Isopropyl ether	12.6	50	2.5	ug/l	J
994-05-8	tert-Amyl Methyl Ether	17.1	50	3.3	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	50	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675-MW24D		
Lab Sample ID:	JA98555-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S156090.D	1	02/06/12	NT	n/a	n/a	VS6399
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10.5	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	0.64	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	105%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [x] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 974 369774 137675

SAP #: 137675

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2-2-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

SITE ADDRESS: Street and City | State | GLOBAL ID NO.:

ADDRESS: 12420 Milestone Center Drive, Suite 150, Germantown, MD 20876

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers | PHONE NO.: 301-820-3241 | E-MAIL: Adriane.Rogers@urs.com | CONSULTANT PROJECT NO.: 137675

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-820-3241 | FAX: 301-820-3409 | Bill To Contact E-MAIL: Adriane.Rogers@urs.com

SAMPLER NAME(S) (Print): Robert Burns

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS: JA98555

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 1.0°C | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
Send 994 Contact

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Lab use only	Field Sample Identification	Sampling Date	Sampling Time	Matrix	HCL	HNO3	H2SO4	NONE	OTHER	No. of Cont.	[redacted]	[redacted]	[redacted]	BTEX/MTBE (8260) TOXYS	Container PID Readings or Laboratory Notes
-1	137675-730 BUS	2-2-12	1540	GW	X					3	X	X	X	X	8971
-2	137675-730 BUD		1500	GW	X					3	X	X	X	X	
-3	137675-MW25S		1055	GW	X					3	X	X	X	X	
-4	137675 MW24S		0923	GW	X					3	X	X	X	X	
-5	137675-MW25D		1025	GW	X					3	X	X	X	X	
-6	137675-MW26S		1210	GW	X					3	X	X	X	X	
-7	137675-MW26D		1140	GW	X					3	X	X	X	X	
-8	137675-MW24D		0900	GW	X					3	X	X	X	X	
											X	X	X		
											X	X	X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FEDEX 8740 8086 4060		
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		2-3-12	0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

JA98555: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98555 **Client:**

Date / Time Received: 2/3/2012 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98555: Chain of Custody
Page 2 of 2

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6399-MB1	S156069.D	1	02/06/12	NT	n/a	n/a	VS6399

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-1, JA98555-2, JA98555-3, JA98555-4, JA98555-5, JA98555-6, JA98555-7, JA98555-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	99%	70-127%
2037-26-5	Toluene-D8	107%	79-120%
460-00-4	4-Bromofluorobenzene	104%	76-118%

Method Blank Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6401-MB1	S156125.D	1	02/07/12	NT	n/a	n/a	VS6401

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	98%	70-127%
2037-26-5	Toluene-D8	107%	79-120%
460-00-4	4-Bromofluorobenzene	105%	76-118%

Blank Spike Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6399-BS	S156070.D	1	02/06/12	NT	n/a	n/a	VS6399

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-1, JA98555-2, JA98555-3, JA98555-4, JA98555-5, JA98555-6, JA98555-7, JA98555-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	41.8	84	76-119
108-20-3	Di-Isopropyl ether	50	45.8	92	59-130
100-41-4	Ethylbenzene	50	49.0	98	77-119
1634-04-4	Methyl Tert Butyl Ether	100	93.4	93	72-125
75-65-0	Tert Butyl Alcohol	250	239	96	67-136
994-05-8	tert-Amyl Methyl Ether	50	46.5	93	69-125
637-92-3	tert-Butyl Ethyl Ether	50	48.1	96	67-129
108-88-3	Toluene	50	46.1	92	77-122
1330-20-7	Xylene (total)	150	144	96	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	106%	70-127%
2037-26-5	Toluene-D8	107%	79-120%
460-00-4	4-Bromofluorobenzene	110%	76-118%

Blank Spike Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6401-BS	S156126.D	1	02/07/12	NT	n/a	n/a	VS6401

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	100	91.0	91	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	70-127%
2037-26-5	Toluene-D8	106%	79-120%
460-00-4	4-Bromofluorobenzene	109%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98481-3MS	S156080.D	1	02/06/12	NT	n/a	n/a	VS6399
JA98481-3MSD	S156081.D	1	02/06/12	NT	n/a	n/a	VS6399
JA98481-3	S156077.D	1	02/06/12	NT	n/a	n/a	VS6399

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-1, JA98555-2, JA98555-3, JA98555-4, JA98555-5, JA98555-6, JA98555-7, JA98555-8

CAS No.	Compound	JA98481-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	47.6	95	45.0	90	6	40-139/12
108-20-3	Di-Isopropyl ether	ND		50	53.8	108	50.1	100	7	51-136/11
100-41-4	Ethylbenzene	ND		50	50.5	101	48.1	96	5	40-140/12
1634-04-4	Methyl Tert Butyl Ether	0.30	J	50	56.2	112	53.3	106	5	54-136/12
75-65-0	Tert Butyl Alcohol	6.5	J	250	235	91	247	96	5	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	53.1	106	51.7	103	3	60-133/11
637-92-3	tert-Butyl Ethyl Ether	1.4	J	50	56.9	111	54.7	107	4	59-134/11
108-88-3	Toluene	ND		50	52.4	105	50.4	101	4	47-140/12
1330-20-7	Xylene (total)	ND		150	147	98	141	94	4	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98481-3	Limits
1868-53-7	Dibromofluoromethane	110%	108%	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	99%	70-127%
2037-26-5	Toluene-D8	108%	108%	107%	79-120%
460-00-4	4-Bromofluorobenzene	100%	100%	105%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98596-1MS	S156142.D	1	02/07/12	NT	n/a	n/a	VS6401
JA98596-1MSD	S156143.D	1	02/07/12	NT	n/a	n/a	VS6401
JA98596-1	S156134.D	1	02/07/12	NT	n/a	n/a	VS6401

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98555-4

CAS No.	Compound	JA98596-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	6.3		50	53.4	94	53.3	94	0	54-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98596-1	Limits
1868-53-7	Dibromofluoromethane	108%	110%	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	99%	70-127%
2037-26-5	Toluene-D8	108%	108%	108%	79-120%
460-00-4	4-Bromofluorobenzene	102%	102%	105%	76-118%

Instrument Performance Check (BFB)

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6359-BFB
Lab File ID: S155157.D
Instrument ID: GCMSS
Injection Date: 01/13/12
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7170	15.6		Pass
75	30.0 - 60.0% of mass 95	19917	43.3		Pass
95	Base peak, 100% relative abundance	45955	100.0		Pass
96	5.0 - 9.0% of mass 95	3212	6.99		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	45541	99.1		Pass
175	5.0 - 9.0% of mass 174	3425	7.45	(7.52) [a]	Pass
176	95.0 - 101.0% of mass 174	44277	96.3	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2979	6.48	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6359-IC6359	S155158.D	01/13/12	12:02	00:25	Initial cal 0.5
VS6359-IC6359	S155159.D	01/13/12	12:26	00:49	Initial cal 1
VS6359-IC6359	S155160.D	01/13/12	12:49	01:12	Initial cal 2
VS6359-IC6359	S155161.D	01/13/12	13:12	01:35	Initial cal 5
VS6359-IC6359	S155162.D	01/13/12	13:36	01:59	Initial cal 20
VS6359-ICC6359	S155163.D	01/13/12	13:58	02:21	Initial cal 50
VS6359-IC6359	S155164.D	01/13/12	14:19	02:42	Initial cal 100
VS6359-IC6359	S155165.D	01/13/12	14:43	03:06	Initial cal 200
VS6359-ICV6359	S155168.D	01/13/12	15:48	04:11	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6399-BFB
Lab File ID: S156065.D
Instrument ID: GCMSS
Injection Date: 02/06/12
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17454	15.4		Pass
75	30.0 - 60.0% of mass 95	49497	43.6		Pass
95	Base peak, 100% relative abundance	113440	100.0		Pass
96	5.0 - 9.0% of mass 95	7890	6.96		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	115704	102.0		Pass
175	5.0 - 9.0% of mass 174	8673	7.65	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	113184	99.8	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7617	6.71	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6399-CC6359	S156067.D	02/06/12	10:03	01:05	Continuing cal 20
VS6399-MB1	S156069.D	02/06/12	10:56	01:58	Method Blank
VS6399-BS	S156070.D	02/06/12	11:30	02:32	Blank Spike
ZZZZZZ	S156072.D	02/06/12	12:31	03:33	(unrelated sample)
ZZZZZZ	S156073.D	02/06/12	12:56	03:58	(unrelated sample)
ZZZZZZ	S156074.D	02/06/12	13:18	04:20	(unrelated sample)
ZZZZZZ	S156075.D	02/06/12	13:40	04:42	(unrelated sample)
ZZZZZZ	S156076.D	02/06/12	14:01	05:03	(unrelated sample)
JA98481-3	S156077.D	02/06/12	14:22	05:24	(used for QC only; not part of job JA98555)
ZZZZZZ	S156078.D	02/06/12	14:44	05:46	(unrelated sample)
ZZZZZZ	S156079.D	02/06/12	15:05	06:07	(unrelated sample)
JA98481-3MS	S156080.D	02/06/12	15:33	06:35	Matrix Spike
JA98481-3MSD	S156081.D	02/06/12	15:55	06:57	Matrix Spike Duplicate
JA98555-1	S156083.D	02/06/12	16:37	07:39	137675-730 BNS
JA98555-2	S156084.D	02/06/12	16:59	08:01	137675-730 BND
JA98555-3	S156085.D	02/06/12	17:20	08:22	137675-MW25S
JA98555-4	S156086.D	02/06/12	17:42	08:44	137675-MW24S
JA98555-5	S156087.D	02/06/12	18:03	09:05	137675-MW25D
JA98555-6	S156088.D	02/06/12	18:24	09:26	137675-MW26S
JA98555-7	S156089.D	02/06/12	18:46	09:48	137675-MW26D
JA98555-8	S156090.D	02/06/12	19:07	10:09	137675-MW24D
ZZZZZZ	S156091.D	02/06/12	19:29	10:31	(unrelated sample)
ZZZZZZ	S156092.D	02/06/12	19:50	10:52	(unrelated sample)
ZZZZZZ	S156093.D	02/06/12	20:12	11:14	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample:	VS6399-BFB	**Injection Date:**	02/06/12
Lab File ID:	S156065.D	**Injection Time:**	08:58
Instrument ID:	GCMSS		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	S156094.D	02/06/12	20:33	11:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6401-BFB
Lab File ID: S156122.D
Instrument ID: GCMSS
Injection Date: 02/07/12
Injection Time: 08:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6976	15.6		Pass
75	30.0 - 60.0% of mass 95	19571	43.7		Pass
95	Base peak, 100% relative abundance	44747	100.0		Pass
96	5.0 - 9.0% of mass 95	2999	6.70		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	45680	102.1		Pass
175	5.0 - 9.0% of mass 174	3562	7.96	(7.80) [a]	Pass
176	95.0 - 101.0% of mass 174	44355	99.1	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2855	6.38	(6.44) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6401-CC6359	S156123.D	02/07/12	08:58	00:29	Continuing cal 20
VS6401-MB1	S156125.D	02/07/12	09:47	01:18	Method Blank
VS6401-BS	S156126.D	02/07/12	10:18	01:49	Blank Spike
ZZZZZZ	S156128.D	02/07/12	11:01	02:32	(unrelated sample)
ZZZZZZ	S156129.D	02/07/12	11:22	02:53	(unrelated sample)
ZZZZZZ	S156130.D	02/07/12	11:43	03:14	(unrelated sample)
ZZZZZZ	S156131.D	02/07/12	12:05	03:36	(unrelated sample)
ZZZZZZ	S156132.D	02/07/12	12:26	03:57	(unrelated sample)
JA98555-4	S156133.D	02/07/12	12:47	04:18	137675-MW24S
JA98596-1	S156134.D	02/07/12	13:09	04:40	(used for QC only; not part of job JA98555)
ZZZZZZ	S156135.D	02/07/12	13:30	05:01	(unrelated sample)
ZZZZZZ	S156136.D	02/07/12	13:52	05:23	(unrelated sample)
ZZZZZZ	S156137.D	02/07/12	14:13	05:44	(unrelated sample)
ZZZZZZ	S156138.D	02/07/12	14:35	06:06	(unrelated sample)
ZZZZZZ	S156139.D	02/07/12	14:56	06:27	(unrelated sample)
ZZZZZZ	S156140.D	02/07/12	15:18	06:49	(unrelated sample)
ZZZZZZ	S156141.D	02/07/12	15:39	07:10	(unrelated sample)
JA98596-1MS	S156142.D	02/07/12	16:00	07:31	Matrix Spike
JA98596-1MSD	S156143.D	02/07/12	16:22	07:53	Matrix Spike Duplicate
ZZZZZZ	S156145.D	02/07/12	17:05	08:36	(unrelated sample)
ZZZZZZ	S156146.D	02/07/12	17:45	09:16	(unrelated sample)
ZZZZZZ	S156147.D	02/07/12	18:06	09:37	(unrelated sample)
ZZZZZZ	S156148.D	02/07/12	18:27	09:58	(unrelated sample)
ZZZZZZ	S156149.D	02/07/12	18:49	10:20	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6401-BFB
Lab File ID: S156122.D
Instrument ID: GCMSS
Injection Date: 02/07/12
Injection Time: 08:29

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	S156150.D	02/07/12	19:10	10:41	(unrelated sample)
VS6402-CC6356	S156153.D	02/08/12	07:16	22:47	Continuing cal 50
VS6402-BS	S156155.D	02/08/12	08:47	24:18	Blank Spike
ZZZZZZ	S156156.D	02/08/12	09:26	24:57	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA98555
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98555-1	S156083.D	109.0	99.0	108.0	104.0
JA98555-2	S156084.D	106.0	99.0	108.0	107.0
JA98555-3	S156085.D	108.0	99.0	108.0	105.0
JA98555-4	S156133.D	108.0	98.0	108.0	104.0
JA98555-4	S156086.D	108.0	99.0	108.0	105.0
JA98555-5	S156087.D	108.0	100.0	107.0	102.0
JA98555-6	S156088.D	106.0	99.0	108.0	104.0
JA98555-7	S156089.D	109.0	99.0	108.0	104.0
JA98555-8	S156090.D	110.0	99.0	108.0	105.0
JA98481-3MS	S156080.D	110.0	105.0	108.0	100.0
JA98481-3MSD	S156081.D	108.0	105.0	108.0	100.0
JA98596-1MS	S156142.D	108.0	104.0	108.0	102.0
JA98596-1MSD	S156143.D	110.0	105.0	108.0	102.0
VS6399-BS	S156070.D	108.0	106.0	107.0	110.0
VS6399-MB1	S156069.D	107.0	99.0	107.0	104.0
VS6401-BS	S156126.D	106.0	105.0	106.0	109.0
VS6401-MB1	S156125.D	107.0	98.0	107.0	105.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey
ACCUTEST LABORATORIES

02/14/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

INC#98997544

Accutest Job Number: JA98545

Sampling Date: 02/02/12

Report to:

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Germantown, MD 20876
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ATTN: Jenna Anthony

Total number of pages in report: **159**

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **10**
3.1: JA98545-1: 137530-MW02A 11
3.2: JA98545-2: 137530-MW-04 18
3.3: JA98545-3: 137530-MW-05 25
3.4: JA98545-4: 137530-MW-06 32
3.5: JA98545-5: 137530-MW-07 39
3.6: JA98545-6: 137530-MW-09 46
3.7: JA98545-7: 137530-MW-14 53
3.8: JA98545-8: 137530-MW-16 60
3.9: JA98545-9: 137530-MW-17 67
3.10: JA98545-10: 137530-MW-20 74
Section 4: Misc. Forms **81**
4.1: Chain of Custody 82
Section 5: GC/MS Volatiles - QC Data Summaries **85**
5.1: Method Blank Summary 86
5.2: Blank Spike Summary 98
5.3: Matrix Spike/Matrix Spike Duplicate Summary 110
5.4: Instrument Performance Checks (BFB) 122
5.5: Surrogate Recovery Summaries 129
Section 6: GC Volatiles - QC Data Summaries **130**
6.1: Method Blank Summary 131
6.2: Blank Spike Summary 135
6.3: Matrix Spike/Matrix Spike Duplicate Summary 137
6.4: Surrogate Recovery Summaries 139
Section 7: GC Semi-volatiles - QC Data Summaries **140**
7.1: Method Blank Summary 141
7.2: Blank Spike Summary 142
7.3: Matrix Spike/Matrix Spike Duplicate Summary 143
7.4: Surrogate Recovery Summaries 144
Section 8: Metals Analysis - QC Data Summaries **145**
8.1: Prep QC MP62584: Fe 146
Section 9: General Chemistry - QC Data Summaries **156**
9.1: Method Blank and Spike Results Summary 157
9.2: Duplicate Results Summary 158
9.3: Matrix Spike Results Summary 159

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98545

URSMDG:SS#137530, 400 Compass Road, Baltimore, MD
Project No: INC#98997544

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98545-1	02/02/12	10:15	AR	02/03/12	AQ	Ground Water	137530-MW02A
JA98545-2	02/02/12	11:15	AR	02/03/12	AQ	Ground Water	137530-MW-04
JA98545-3	02/02/12	11:00	AR	02/03/12	AQ	Ground Water	137530-MW-05
JA98545-4	02/02/12	11:30	AR	02/03/12	AQ	Ground Water	137530-MW-06
JA98545-5	02/02/12	10:30	AR	02/03/12	AQ	Ground Water	137530-MW-07
JA98545-6	02/02/12	09:45	AR	02/03/12	AQ	Ground Water	137530-MW-09
JA98545-7	02/02/12	09:30	AR	02/03/12	AQ	Ground Water	137530-MW-14
JA98545-8	02/02/12	12:25	AR	02/03/12	AQ	Ground Water	137530-MW-16
JA98545-9	02/02/12	10:45	AR	02/03/12	AQ	Ground Water	137530-MW-17
JA98545-10	02/02/12	10:00	AR	02/03/12	AQ	Ground Water	137530-MW-20

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98545
Site:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD	**Report Date**	2/14/2012 1:10:46 PM

On 02/03/2012, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98545 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V1A4849

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98853-2MS, JA98853-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Acetone are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Recovery(s) for Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** V1A4850

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98852-5MS, JA98852-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V2D4358

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98604-1MS, JA98604-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Acetone are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 4-Methyl-2-pentanone(MIBK) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 4-Methyl-2-pentanone(MIBK), Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for Vinyl chloride are outside control limits for sample JA98604-1MSD. Outside control limits due to matrix interference.

Matrix: AQ **Batch ID:** VU7210

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-4MS, JA98545-4MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,2,4-Trimethylbenzene are outside control limits. Outside control limits due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ	**Batch ID:** VU7210

- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene are outside control limits. Outside control limits due to matrix interference.

Volatiles by GC By Method SW846 8015C

Matrix: AQ	**Batch ID:** GLM2096

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-11MS, JA98431-11MSD were used as the QC samples indicated.
- JA98431-11MS/MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: AQ	**Batch ID:** GLM2097

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98545-7MS, JA98545-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015C

Matrix: AQ	**Batch ID:** OP54670

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-1MS, JA98545-1MSD were used as the QC samples indicated.
- OP54670-MS for Tetracosane-d50: Outside of in house control limits.

Metals By Method SW846 6010C

Matrix: AQ	**Batch ID:** MP62584

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98267-1FMSD, JA98267-1FSDL, JA98267-1FMS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- JA98545-8 for Iron: Elevated sample detection limit due to difficult sample matrix.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ	**Batch ID:** GP62917

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97693-1DUP, JA97693-1MS were used as the QC samples for Sulfate.

Matrix: AQ	**Batch ID:** GP62920

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP, JA98431-1MS were used as the QC samples for Sulfate.

Wet Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ **Batch ID:** GP62945

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-8DUP, JA98431-8MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- Matrix Spike Recovery(s) for Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference.

Matrix: AQ **Batch ID:** GP62946

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-8DUP, JA98545-8MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Wet Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ **Batch ID:** R106930

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106931

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106932

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106933

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106934

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-5 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106935

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-6 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106936

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-7 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106937

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-8 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106938

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-9 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R106939

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JA98545-10 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM19 4500NO2B

Matrix: AQ **Batch ID:** GN61210

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98424-5DUP, JA98424-5MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM20 2320B

Matrix: AQ	**Batch ID:** GN61346

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97751-1DUP were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ	**Batch ID:** GN61645

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM20 3500FEB

Matrix: AQ	**Batch ID:** GN61295

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-8DUP were used as the QC samples for Iron, Ferrous.
- JA98545-9 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-7 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-10 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-8 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-5 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-4 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-3 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-2 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JA98545-6 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM20 4500S2 F

Matrix: AQ	**Batch ID:** GN61467

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-1DUP, JA98545-2MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SM20 5210B

Matrix: AQ	**Batch ID:** GP62826

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-1DUP were used as the QC samples for BOD, 5 Day.

Wet Chemistry By Method SM20 5220C,HACH 8000

Matrix: AQ	**Batch ID:** GP62922

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98431-1DUP, JA98431-1MS were used as the QC samples for Chemical Oxygen Demand.

Matrix: AQ	**Batch ID:** GP62929

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98884-2DUP, JA98884-2MS were used as the QC samples for Chemical Oxygen Demand.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155246.D	1	02/13/12	TDN	n/a	n/a	VU7210
Run #2	U155245.D	10	02/13/12	TDN	n/a	n/a	VU7210

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	49.3	10	7.6	ug/l	
71-43-2	Benzene	268 [a]	10	2.2	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	8.8	10	2.9	ug/l	J
104-51-8	n-Butylbenzene	0.81	5.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	1.3	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.98	1.0	0.37	ug/l	J
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	21.4	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	26.8	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	6.2	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	14.3	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	23.8	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	12.6	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	10	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	3.8	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.48	2.0	0.23	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	20.2	1.0	0.32	ug/l	
95-47-6	o-Xylene	1.7	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	21.9	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	89%	70-127%
2037-26-5	Toluene-D8	95%	97%	79-120%
460-00-4	4-Bromofluorobenzene	93%	95%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51989.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.54	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21557.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.295	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		34-131%
16416-32-3	Tetracosane-d50	98%		15-119%
438-22-2	5a-Androstane	78%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	10400	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW02A		
Lab Sample ID:	JA98545-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	126	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	8.5	3.4	mg/l	1	02/03/12 18:54	LS	SM20 5210B
Chemical Oxygen Demand	21.3	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	7.3	2.0	mg/l	10	02/03/12 20:15	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.52	0.11	mg/l	1	02/10/12 12:55	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.53	0.10	mg/l	1	02/10/12 12:55	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	0.011	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	84.3	10	mg/l	1	02/09/12 02:45	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D105841.D	1	02/09/12	ET	n/a	n/a	V2D4358
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	3.1	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	40.4	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	7.8	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	0.29	5.0	0.19	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	2.8	5.0	0.68	ug/l	J
103-65-1	n-Propylbenzene	7.5	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.58	1.0	0.15	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	44.3	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.6	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	12.0	1.0	0.32	ug/l	
95-47-6	o-Xylene	4.5	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	16.5	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-120%
17060-07-0	1,2-Dichloroethane-D4	92%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	93%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51990.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.634	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21558.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.398	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		34-131%
16416-32-3	Tetracosane-d50	91%		15-119%
438-22-2	5a-Androstane	76%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	31400	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-04		
Lab Sample ID:	JA98545-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	222	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	12.8	5.0	mg/l	1	02/03/12 19:00	LS	SM20 5210B
Chemical Oxygen Demand	31.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	4.2	0.20	mg/l	1	02/03/12 19:13	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:58	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:58	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	105	10	mg/l	1	02/09/12 03:09	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D105842.D	1	02/09/12	ET	n/a	n/a	V2D4358
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	0.27	5.0	0.24	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	1.0	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.34	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	6.7	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.4	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.38	2.0	0.23	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	0.94	1.0	0.32	ug/l	J
95-47-6	o-Xylene	0.56	1.0	0.17	ug/l	J
1330-20-7	Xylene (total)	1.5	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		77-120%
17060-07-0	1,2-Dichloroethane-D4	87%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	95%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51991.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.295	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21559.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.299	0.10	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		34-131%
16416-32-3	Tetracosane-d50	86%		15-119%
438-22-2	5a-Androstane	69%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	24800	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-05		
Lab Sample ID:	JA98545-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	273	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 7.2	7.2	mg/l	1	02/03/12 19:04	LS	SM20 5210B
Chemical Oxygen Demand	37.2	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	0.84	0.20	mg/l	1	02/03/12 19:13	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 12:59	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 12:59	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	12600	1000	mg/l	100	02/09/12 12:10	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155242.D	1	02/13/12	TDN	n/a	n/a	VU7210
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	16.6	10	7.6	ug/l	
71-43-2	Benzene	39.0	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	4.7	10	2.9	ug/l	J
104-51-8	n-Butylbenzene	1.8	5.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	0.74	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	0.95	5.0	0.25	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	27.9	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	1.4	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	0.60	5.0	0.19	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	5.6	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	2.2	5.0	1.2	ug/l	J
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	15.9	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	4.1	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	1.4	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	40.4	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.8	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	28.5	1.0	0.32	ug/l	
95-47-6	o-Xylene	0.52	1.0	0.17	ug/l	J
1330-20-7	Xylene (total)	29.0	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		77-120%
17060-07-0	1,2-Dichloroethane-D4	91%		70-127%
2037-26-5	Toluene-D8	95%		79-120%
460-00-4	4-Bromofluorobenzene	93%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51995.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.96	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21560.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.53	0.10	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	56%		34-131%
16416-32-3	Tetracosane-d50	72%		15-119%
438-22-2	5a-Androstane	57%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	8400	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-06		
Lab Sample ID:	JA98545-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	422	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	15.5	5.0	mg/l	1	02/03/12 19:07	LS	SM20 5210B
Chemical Oxygen Demand	109	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	5.9	0.20	mg/l	1	02/03/12 19:13	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 13:00	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 13:00	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	77.8	10	mg/l	1	02/09/12 03:57	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U155244.D	1	02/13/12	TDN	n/a	n/a	VU7210
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	9.5	10	7.6	ug/l	J
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	8.3	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	7.3	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.98	1.0	0.37	ug/l	J
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	0.91	1.0	0.22	ug/l	J
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	16.5	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	45.7	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	2.0	5.0	0.19	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	16.6	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	115	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.81	1.0	0.15	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	109	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.2	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	3.5	1.0	0.32	ug/l	
95-47-6	o-Xylene	0.33	1.0	0.17	ug/l	J
1330-20-7	Xylene (total)	3.8	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		77-120%
17060-07-0	1,2-Dichloroethane-D4	92%		70-127%
2037-26-5	Toluene-D8	92%		79-120%
460-00-4	4-Bromofluorobenzene	94%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51992.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.83	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21561.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.671	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		34-131%
16416-32-3	Tetracosane-d50	89%		15-119%
438-22-2	5a-Androstane	71%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	15500	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-07		
Lab Sample ID:	JA98545-5	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	79.0	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	8.6	5.0	mg/l	1	02/03/12 19:11	LS	SM20 5210B
Chemical Oxygen Demand	39.9	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	2.4	0.20	mg/l	1	02/03/12 19:13	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 13:00	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 13:00	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	119	10	mg/l	1	02/09/12 05:09	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A113021.D	1	02/09/12	CC	n/a	n/a	V1A4849
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	148	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.36	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	14.9	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	39.4	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	2.2	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.5	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	6.1	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	5.1	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	10.3	25	1.9	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	23.6	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	12.1	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.7	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	81.0	1.0	0.32	ug/l	
95-47-6	o-Xylene	15.3	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	96.3	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		77-120%
17060-07-0	1,2-Dichloroethane-D4	92%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	84%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51993.D	1	02/10/12	RP	n/a	n/a	GLM2096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.03	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21562.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.161	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	56%		34-131%
16416-32-3	Tetracosane-d50	74%		15-119%
438-22-2	5a-Androstane	59%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	13000	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-09		
Lab Sample ID:	JA98545-6	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	51.6	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	7.5	5.0	mg/l	1	02/03/12 19:15	LS	SM20 5210B
Chemical Oxygen Demand	45.2	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	6.4	1.0	mg/l	5	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	4.9	0.11	mg/l	1	02/10/12 13:01	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	4.9	0.10	mg/l	1	02/10/12 13:01	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	0.014	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	122	10	mg/l	1	02/09/12 00:25	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A113019.D	1	02/09/12	CC	n/a	n/a	V1A4849
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	2.0	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.31	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	5.8	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	2.0	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	0.22	2.0	0.19	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.0	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	0.57	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	0.66	5.0	0.33	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.76	2.0	0.18	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	0.74	1.0	0.32	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	0.74	1.0	0.17	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		77-120%
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	86%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52002.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.230	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21563.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	955 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.248	0.10	0.0037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		34-131%
16416-32-3	Tetracosane-d50	86%		15-119%
438-22-2	5a-Androstane	71%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	21900	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-14		
Lab Sample ID:	JA98545-7	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	103	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	< 7.3	7.3	mg/l	1	02/03/12 19:18	LS	SM20 5210B
Chemical Oxygen Demand	74.5	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	9.8	2.0	mg/l	10	02/03/12 20:26	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	02/10/12 13:05	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	02/10/12 13:05	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	64.3	10	mg/l	1	02/09/12 00:49	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A113020.D	1	02/09/12	CC	n/a	n/a	V1A4849
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	0.70	1.0	0.22	ug/l	J
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	13.9	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	37.3	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	86%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52012.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21564.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	61%		34-131%
16416-32-3	Tetracosane-d50	79%		15-119%
438-22-2	5a-Androstane	59%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron [a]	30600	200	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-16		
Lab Sample ID:	JA98545-8	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	128	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	5.0	5.0	mg/l	1	02/03/12 19:21	LS	SM20 5210B
Chemical Oxygen Demand	34.6	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	0.61	0.20	mg/l	1	02/03/12 19:13	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	1.6	0.11	mg/l	1	02/10/12 13:08	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	1.6	0.10	mg/l	1	02/10/12 13:08	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:14	ML	SM19 4500NO2B
Sulfate	72.5	10	mg/l	1	02/09/12 01:13	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A113025.D	1	02/09/12	CC	n/a	n/a	V1A4849
Run #2	1A113026.D	10	02/09/12	CC	n/a	n/a	V1A4849

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	14.4	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	3.7	5.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	1.3	5.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	0.70	5.0	0.25	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	29.0	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	2.7	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	0.82	5.0	0.19	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	633 [a]	10	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	8.9	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	10	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	130	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	22.0	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	19.8	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	79.8	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	19.9	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	64.6	1.0	0.32	ug/l	
95-47-6	o-Xylene	42.9	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	107	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	88%	70-127%
2037-26-5	Toluene-D8	96%	95%	79-120%
460-00-4	4-Bromofluorobenzene	93%	90%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52013.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.03	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	98%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21565.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	5.11	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		34-131%
16416-32-3	Tetracosane-d50	88%		15-119%
438-22-2	5a-Androstane	71%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	9590	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-17		
Lab Sample ID:	JA98545-9	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	158	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	11.1	5.0	mg/l	1	02/03/12 19:25	LS	SM20 5210B
Chemical Oxygen Demand	149	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	< 0.20	0.20	mg/l	1	02/03/12 19:20	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.95	0.11	mg/l	1	02/10/12 13:09	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.96	0.10	mg/l	1	02/10/12 13:09	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:15	ML	SM19 4500NO2B
Sulfate	59.9	10	mg/l	1	02/09/12 01:37	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A113053.D	1	02/10/12	CC	n/a	n/a	V1A4850
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	7.6	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	0.33	5.0	0.19	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	0.32	5.0	0.17	ug/l	J
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		77-120%
17060-07-0	1,2-Dichloroethane-D4	87%		70-127%
2037-26-5	Toluene-D8	93%		79-120%
460-00-4	4-Bromofluorobenzene	93%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52011.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.501	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z21566.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.187	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		34-131%
16416-32-3	Tetracosane-d50	95%		15-119%
438-22-2	5a-Androstane	77%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3540	100	ug/l	1	02/06/12	02/08/12	BL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA27915
(2) Prep QC Batch: MP62584

RL = Reporting Limit

Report of Analysis

Client Sample ID:	137530-MW-20		
Lab Sample ID:	JA98545-10	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
		Percent Solids:	n/a
Project:	URSMDG:SS#137530, 400 Compass Road, Baltimore, MD		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	132	5.0	mg/l	1	02/11/12	ST	SM20 2320B
BOD, 5 Day	4.2	3.4	mg/l	1	02/03/12 19:27	LS	SM20 5210B
Chemical Oxygen Demand	26.6	20	mg/l	1	02/09/12	ST	SM20 5220C,HACH 8000
Iron, Ferrous [a]	1.2	0.20	mg/l	1	02/03/12 19:20	ML	SM20 3500FEB
Nitrogen, Nitrate [b]	0.46	0.11	mg/l	1	02/10/12 13:10	VA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.47	0.10	mg/l	1	02/10/12 13:10	VA	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	02/03/12 16:15	ML	SM19 4500NO2B
Sulfate	137	10	mg/l	1	02/09/12 02:01	NP	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	02/08/12	ST	SM20 4500S2 F

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- ☐ XENCO ( )
- ☐ Test America ( )
- ☑ OTHER ( )
- ☐ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor # See Dropdown

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBCS
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 98997544 (137530)

SAP # 137530

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/2/12

PAGE: 1 of 2

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 400 COMPASS RD, BALTIMORE

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 3018203241

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 49207545(137530)

SAMPLER NAME(S) (Print):

LAB USE ONLY: JA98545

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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:

Accutest - Vendor#1392517

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	Full VOCs, Oxy 5 + Ethanol (Me	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	COD	BOD	Sulfide	Alkalinity, Ferrous Iron, Sulfate, NO3, NO2	Total Iron	Container PID Readings or Laboratory Notes
1	137530 - MW02A	2/2	1015	GW	X	X	X	X	X	15	X	X	X	X	X	X	X	X	EX81, AMET36, WC53, WC2, 8995
2	137530 - MW-04		1115	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
3	137530 - MW-05		1100	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
4	137530 - MW-06		1130	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
5	137530 - MW-07		1030	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
6	137530 - MW-09		0945	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
~~[illegible]~~	~~[illegible]13~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
7	137530 - MW-14	2/2	0930	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
~~[illegible]~~	~~[illegible]MW-15~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	
8	137530 - MW-16	2/2	1225	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X	

ALL SAMPLES RECEIVED ~~PRESERVED~~ AS APPLICABLE

TMN 2/3/12

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Fed	2/2/12	
Fed	[signature]	2/3/12	0930

ICD 1/24/12-4

TRK #s 877046770787, 6798, 0765, 0802, 0754

Seal #s 928, 932, 930, 934, 936 Rec'd intact TMN 2/3/12

05/2/05 Revision

JA98545: Chain of Custody
Page 1 of 3

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- ☐ XENCO ( )
- ☐ Test America ( )
- ☑ OTHER ( )
- ☐ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor # See Dropdown

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Adriane Rogers

PO #: [redacted]

INCIDENT # (ENV SERVICES): 98997544 (137530)

SAP #: 137530

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/2/12

PAGE: 2 of 2

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 400 COMPASS RD, BALTIMORE

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 3018203241

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 49207545 (137530)

SAMPLER NAME(S) (Print):

LAB USE ONLY: JA98545

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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:

Accutest - Vendor#1392517

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONTAINERS	Full VOCs, Oxy 5 + Ethanol (Me	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	COD	BOD	Sulfide	Alkalinity, Ferrous Iron, Sulfate, NO3, NO2	Total Iron
9	137530 - MW-17	2/2	1045	GW	X	X	X	X	X	15	X	X	X	X	X	X	X	X
	~~137530 - MW-18~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-19~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
10	137530 - MW-20	2/2	1000	GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-21~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-22~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-23~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-24~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-25~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X
	~~137530 - MW-26~~			GW	X	X	X	X	X	14	X	X	X	X	X	X	X	X

ALL SAMPLES RECEIVED ~~RECEIVED AS ABOVE~~ ✓ TRS 2/3/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Fed Ex		
Fed Ex	[signature]	2/3/12	0932

05/2/06 Revision

JA98545: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98545 **Client:**

Date / Time Received: 2/3/2012 **Project:**

No. Coolers: 5 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98545: Chain of Custody
Page 3 of 3

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-MB	2D105826.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-MB	2D105826.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-MB	2D105826.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	96%	76-118%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-MB	1A113016.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-MB	1A113016.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-MB	1A113016.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	70-127%
2037-26-5	Toluene-D8	96%	79-120%
460-00-4	4-Bromofluorobenzene	86%	76-118%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-MB	1A113039.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-MB	1A113039.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-MB	1A113039.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	77-120%
17060-07-0	1,2-Dichloroethane-D4	90%	70-127%
2037-26-5	Toluene-D8	96%	79-120%
460-00-4	4-Bromofluorobenzene	85%	76-118%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-MB	U155239.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	Result	RL	MDL	Units	Q
64-17-5	Ethanol	ND	100	51	ug/l	
67-64-1	Acetone	ND	10	7.6	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.18	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.31	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.24	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.19	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
74-87-3	Chloromethane	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.19	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.19	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	0.26	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.36	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-MB	U155239.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.23	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.19	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.46	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.68	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/l	
100-42-5	Styrene	ND	5.0	0.23	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.35	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.54	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.18	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.27	ug/l	
	m,p-Xylene	ND	1.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-MB	U155239.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	95%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-BS	2D105827.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
64-17-5	Ethanol	5000	4280	86	65-149
67-64-1	Acetone	50	71.9	144* [a]	49-142
71-43-2	Benzene	50	54.0	108	76-119
108-86-1	Bromobenzene	50	51.4	103	77-123
74-97-5	Bromochloromethane	50	51.2	102	77-129
75-27-4	Bromodichloromethane	50	50.6	101	81-133
75-25-2	Bromoform	50	50.7	101	72-139
74-83-9	Bromomethane	50	41.1	82	55-140
78-93-3	2-Butanone (MEK)	50	54.5	109	64-132
104-51-8	n-Butylbenzene	50	51.7	103	74-130
135-98-8	sec-Butylbenzene	50	53.7	107	75-125
98-06-6	tert-Butylbenzene	50	52.7	105	76-127
56-23-5	Carbon tetrachloride	50	48.6	97	74-146
108-90-7	Chlorobenzene	50	51.1	102	79-120
75-00-3	Chloroethane	50	52.4	105	60-134
67-66-3	Chloroform	50	52.3	105	77-127
74-87-3	Chloromethane	50	32.4	65	50-128
95-49-8	o-Chlorotoluene	50	51.6	103	78-124
106-43-4	p-Chlorotoluene	50	52.6	105	75-120
108-20-3	Di-Isopropyl ether	50	58.3	117	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	50.5	101	64-137
124-48-1	Dibromochloromethane	50	48.3	97	77-131
106-93-4	1,2-Dibromoethane	50	52.0	104	76-127
95-50-1	1,2-Dichlorobenzene	50	50.5	101	78-123
541-73-1	1,3-Dichlorobenzene	50	51.1	102	77-124
106-46-7	1,4-Dichlorobenzene	50	49.4	99	76-121
75-71-8	Dichlorodifluoromethane	50	40.0	80	41-138
75-34-3	1,1-Dichloroethane	50	56.9	114	74-124
107-06-2	1,2-Dichloroethane	50	48.3	97	71-138
75-35-4	1,1-Dichloroethene	50	53.4	107	68-126
156-59-2	cis-1,2-Dichloroethene	50	53.9	108	78-131
156-60-5	trans-1,2-Dichloroethene	50	54.0	108	64-119
78-87-5	1,2-Dichloropropane	50	55.4	111	76-121
142-28-9	1,3-Dichloropropane	50	53.2	106	77-120
594-20-7	2,2-Dichloropropane	50	40.1	80	53-143
563-58-6	1,1-Dichloropropene	50	53.6	107	77-125

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-BS	2D105827.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	49.5	99	76-123
10061-02-6	trans-1,3-Dichloropropene	50	48.0	96	74-129
100-41-4	Ethylbenzene	50	53.0	106	77-119
87-68-3	Hexachlorobutadiene	50	45.9	92	66-137
98-82-8	Isopropylbenzene	50	54.3	109	74-125
99-87-6	p-Isopropyltoluene	50	53.6	107	78-128
1634-04-4	Methyl Tert Butyl Ether	100	109	109	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	63.2	126	68-131
74-95-3	Methylene bromide	50	52.8	106	79-129
75-09-2	Methylene chloride	50	55.0	110	73-122
91-20-3	Naphthalene	50	47.3	95	61-136
103-65-1	n-Propylbenzene	50	55.2	110	73-121
100-42-5	Styrene	50	51.1	102	77-121
75-65-0	Tert Butyl Alcohol	250	240	96	67-136
994-05-8	tert-Amyl Methyl Ether	50	52.7	105	69-125
637-92-3	tert-Butyl Ethyl Ether	50	57.2	114	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	48.4	97	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	55.4	111	70-121
127-18-4	Tetrachloroethene	50	55.0	110	64-148
108-88-3	Toluene	50	53.7	107	77-122
87-61-6	1,2,3-Trichlorobenzene	50	45.2	90	69-136
120-82-1	1,2,4-Trichlorobenzene	50	48.3	97	73-133
71-55-6	1,1,1-Trichloroethane	50	50.2	100	76-135
79-00-5	1,1,2-Trichloroethane	50	53.1	106	79-125
79-01-6	Trichloroethene	50	51.6	103	80-129
75-69-4	Trichlorofluoromethane	50	52.4	105	66-145
96-18-4	1,2,3-Trichloropropane	50	52.9	106	72-130
95-63-6	1,2,4-Trimethylbenzene	50	53.6	107	77-123
108-67-8	1,3,5-Trimethylbenzene	50	52.4	105	76-123
75-01-4	Vinyl chloride	50	38.1	76	56-133
	m,p-Xylene	100	104	104	77-121
95-47-6	o-Xylene	50	53.0	106	80-124
1330-20-7	Xylene (total)	150	157	105	78-121

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4358-BS	2D105827.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	94%	76-118%

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-BS	1A113017.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
64-17-5	Ethanol	5000	6260	125	65-149
67-64-1	Acetone	50	71.5	143* [a]	49-142
71-43-2	Benzene	50	53.7	107	76-119
108-86-1	Bromobenzene	50	53.3	107	77-123
74-97-5	Bromochloromethane	50	56.5	113	77-129
75-27-4	Bromodichloromethane	50	54.9	110	81-133
75-25-2	Bromoform	50	60.3	121	72-139
74-83-9	Bromomethane	50	55.0	110	55-140
78-93-3	2-Butanone (MEK)	50	60.5	121	64-132
104-51-8	n-Butylbenzene	50	52.6	105	74-130
135-98-8	sec-Butylbenzene	50	50.5	101	75-125
98-06-6	tert-Butylbenzene	50	50.8	102	76-127
56-23-5	Carbon tetrachloride	50	54.0	108	74-146
108-90-7	Chlorobenzene	50	54.8	110	79-120
75-00-3	Chloroethane	50	53.3	107	60-134
67-66-3	Chloroform	50	55.2	110	77-127
74-87-3	Chloromethane	50	44.0	88	50-128
95-49-8	o-Chlorotoluene	50	52.2	104	78-124
106-43-4	p-Chlorotoluene	50	48.1	96	75-120
108-20-3	Di-Isopropyl ether	50	56.8	114	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	54.6	109	64-137
124-48-1	Dibromochloromethane	50	54.9	110	77-131
106-93-4	1,2-Dibromoethane	50	55.9	112	76-127
95-50-1	1,2-Dichlorobenzene	50	54.5	109	78-123
541-73-1	1,3-Dichlorobenzene	50	52.5	105	77-124
106-46-7	1,4-Dichlorobenzene	50	52.7	105	76-121
75-71-8	Dichlorodifluoromethane	50	40.0	80	41-138
75-34-3	1,1-Dichloroethane	50	54.9	110	74-124
107-06-2	1,2-Dichloroethane	50	53.8	108	71-138
75-35-4	1,1-Dichloroethene	50	57.9	116	68-126
156-59-2	cis-1,2-Dichloroethene	50	54.8	110	78-131
156-60-5	trans-1,2-Dichloroethene	50	50.9	102	64-119
78-87-5	1,2-Dichloropropane	50	54.3	109	76-121
142-28-9	1,3-Dichloropropane	50	52.8	106	77-120
594-20-7	2,2-Dichloropropane	50	53.9	108	53-143
563-58-6	1,1-Dichloropropene	50	52.7	105	77-125

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-BS	1A113017.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	53.9	108	76-123
10061-02-6	trans-1,3-Dichloropropene	50	55.9	112	74-129
100-41-4	Ethylbenzene	50	51.7	103	77-119
87-68-3	Hexachlorobutadiene	50	51.5	103	66-137
98-82-8	Isopropylbenzene	50	50.1	100	74-125
99-87-6	p-Isopropyltoluene	50	53.0	106	78-128
1634-04-4	Methyl Tert Butyl Ether	100	115	115	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	57.5	115	68-131
74-95-3	Methylene bromide	50	57.3	115	79-129
75-09-2	Methylene chloride	50	54.8	110	73-122
91-20-3	Naphthalene	50	56.8	114	61-136
103-65-1	n-Propylbenzene	50	50.3	101	73-121
100-42-5	Styrene	50	53.8	108	77-121
75-65-0	Tert Butyl Alcohol	250	303	121	67-136
994-05-8	tert-Amyl Methyl Ether	50	56.6	113	69-125
637-92-3	tert-Butyl Ethyl Ether	50	59.1	118	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	54.0	108	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	52.8	106	70-121
127-18-4	Tetrachloroethene	50	53.8	108	64-148
108-88-3	Toluene	50	54.5	109	77-122
87-61-6	1,2,3-Trichlorobenzene	50	53.4	107	69-136
120-82-1	1,2,4-Trichlorobenzene	50	59.6	119	73-133
71-55-6	1,1,1-Trichloroethane	50	54.2	108	76-135
79-00-5	1,1,2-Trichloroethane	50	57.6	115	79-125
79-01-6	Trichloroethene	50	53.9	108	80-129
75-69-4	Trichlorofluoromethane	50	53.3	107	66-145
96-18-4	1,2,3-Trichloropropane	50	55.1	110	72-130
95-63-6	1,2,4-Trimethylbenzene	50	51.5	103	77-123
108-67-8	1,3,5-Trimethylbenzene	50	49.6	99	76-123
75-01-4	Vinyl chloride	50	51.2	102	56-133
	m,p-Xylene	100	104	104	77-121
95-47-6	o-Xylene	50	54.6	109	80-124
1330-20-7	Xylene (total)	150	159	106	78-121

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4849-BS	1A113017.D	1	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	77-120%
17060-07-0	1,2-Dichloroethane-D4	96%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	90%	76-118%

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-BS	1A113040.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
64-17-5	Ethanol	5000	5230	105	65-149
67-64-1	Acetone	50	66.7	133	49-142
71-43-2	Benzene	50	49.2	98	76-119
108-86-1	Bromobenzene	50	48.2	96	77-123
74-97-5	Bromochloromethane	50	50.5	101	77-129
75-27-4	Bromodichloromethane	50	49.5	99	81-133
75-25-2	Bromoform	50	53.2	106	72-139
74-83-9	Bromomethane	50	47.2	94	55-140
78-93-3	2-Butanone (MEK)	50	55.5	111	64-132
104-51-8	n-Butylbenzene	50	46.9	94	74-130
135-98-8	sec-Butylbenzene	50	45.8	92	75-125
98-06-6	tert-Butylbenzene	50	46.0	92	76-127
56-23-5	Carbon tetrachloride	50	47.9	96	74-146
108-90-7	Chlorobenzene	50	49.5	99	79-120
75-00-3	Chloroethane	50	47.0	94	60-134
67-66-3	Chloroform	50	49.7	99	77-127
74-87-3	Chloromethane	50	39.8	80	50-128
95-49-8	o-Chlorotoluene	50	47.3	95	78-124
106-43-4	p-Chlorotoluene	50	43.7	87	75-120
108-20-3	Di-Isopropyl ether	50	50.6	101	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	46.7	93	64-137
124-48-1	Dibromochloromethane	50	49.2	98	77-131
106-93-4	1,2-Dibromoethane	50	50.1	100	76-127
95-50-1	1,2-Dichlorobenzene	50	49.0	98	78-123
541-73-1	1,3-Dichlorobenzene	50	47.6	95	77-124
106-46-7	1,4-Dichlorobenzene	50	47.3	95	76-121
75-71-8	Dichlorodifluoromethane	50	34.3	69	41-138
75-34-3	1,1-Dichloroethane	50	49.8	100	74-124
107-06-2	1,2-Dichloroethane	50	48.2	96	71-138
75-35-4	1,1-Dichloroethene	50	51.2	102	68-126
156-59-2	cis-1,2-Dichloroethene	50	50.0	100	78-131
156-60-5	trans-1,2-Dichloroethene	50	46.4	93	64-119
78-87-5	1,2-Dichloropropane	50	49.5	99	76-121
142-28-9	1,3-Dichloropropane	50	47.4	95	77-120
594-20-7	2,2-Dichloropropane	50	37.7	75	53-143
563-58-6	1,1-Dichloropropene	50	47.7	95	77-125

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-BS	1A113040.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	46.9	94	76-123
10061-02-6	trans-1,3-Dichloropropene	50	47.5	95	74-129
100-41-4	Ethylbenzene	50	46.9	94	77-119
87-68-3	Hexachlorobutadiene	50	43.0	86	66-137
98-82-8	Isopropylbenzene	50	45.9	92	74-125
99-87-6	p-Isopropyltoluene	50	47.4	95	78-128
1634-04-4	Methyl Tert Butyl Ether	100	100	100	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	51.9	104	68-131
74-95-3	Methylene bromide	50	51.4	103	79-129
75-09-2	Methylene chloride	50	49.3	99	73-122
91-20-3	Naphthalene	50	49.3	99	61-136
103-65-1	n-Propylbenzene	50	45.7	91	73-121
100-42-5	Styrene	50	48.4	97	77-121
75-65-0	Tert Butyl Alcohol	250	255	102	67-136
994-05-8	tert-Amyl Methyl Ether	50	48.9	98	69-125
637-92-3	tert-Butyl Ethyl Ether	50	51.7	103	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	48.5	97	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	47.0	94	70-121
127-18-4	Tetrachloroethene	50	48.3	97	64-148
108-88-3	Toluene	50	49.1	98	77-122
87-61-6	1,2,3-Trichlorobenzene	50	46.8	94	69-136
120-82-1	1,2,4-Trichlorobenzene	50	49.7	99	73-133
71-55-6	1,1,1-Trichloroethane	50	48.7	97	76-135
79-00-5	1,1,2-Trichloroethane	50	51.6	103	79-125
79-01-6	Trichloroethene	50	49.3	99	80-129
75-69-4	Trichlorofluoromethane	50	46.5	93	66-145
96-18-4	1,2,3-Trichloropropane	50	49.2	98	72-130
95-63-6	1,2,4-Trimethylbenzene	50	46.4	93	77-123
108-67-8	1,3,5-Trimethylbenzene	50	45.1	90	76-123
75-01-4	Vinyl chloride	50	44.9	90	56-133
	m,p-Xylene	100	94.8	95	77-121
95-47-6	o-Xylene	50	49.3	99	80-124
1330-20-7	Xylene (total)	150	144	96	78-121

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A4850-BS	1A113040.D	1	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	90%	76-118%

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-BS	U155240.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
64-17-5	Ethanol	5000	6570	131	65-149
67-64-1	Acetone	50	55.2	110	49-142
71-43-2	Benzene	50	47.3	95	76-119
108-86-1	Bromobenzene	50	49.4	99	77-123
74-97-5	Bromochloromethane	50	49.2	98	77-129
75-27-4	Bromodichloromethane	50	48.6	97	81-133
75-25-2	Bromoform	50	54.1	108	72-139
74-83-9	Bromomethane	50	52.8	106	55-140
78-93-3	2-Butanone (MEK)	50	53.1	106	64-132
104-51-8	n-Butylbenzene	50	51.5	103	74-130
135-98-8	sec-Butylbenzene	50	47.6	95	75-125
98-06-6	tert-Butylbenzene	50	46.2	92	76-127
56-23-5	Carbon tetrachloride	50	52.2	104	74-146
108-90-7	Chlorobenzene	50	46.8	94	79-120
75-00-3	Chloroethane	50	50.6	101	60-134
67-66-3	Chloroform	50	47.6	95	77-127
74-87-3	Chloromethane	50	50.3	101	50-128
95-49-8	o-Chlorotoluene	50	45.3	91	78-124
106-43-4	p-Chlorotoluene	50	47.8	96	75-120
108-20-3	Di-Isopropyl ether	50	50.2	100	59-130
96-12-8	1,2-Dibromo-3-chloropropane	50	51.8	104	64-137
124-48-1	Dibromochloromethane	50	48.0	96	77-131
106-93-4	1,2-Dibromoethane	50	48.6	97	76-127
95-50-1	1,2-Dichlorobenzene	50	49.9	100	78-123
541-73-1	1,3-Dichlorobenzene	50	49.8	100	77-124
106-46-7	1,4-Dichlorobenzene	50	48.7	97	76-121
75-71-8	Dichlorodifluoromethane	50	55.6	111	41-138
75-34-3	1,1-Dichloroethane	50	48.5	97	74-124
107-06-2	1,2-Dichloroethane	50	48.5	97	71-138
75-35-4	1,1-Dichloroethene	50	46.0	92	68-126
156-59-2	cis-1,2-Dichloroethene	50	47.5	95	78-131
156-60-5	trans-1,2-Dichloroethene	50	47.4	95	64-119
78-87-5	1,2-Dichloropropane	50	47.9	96	76-121
142-28-9	1,3-Dichloropropane	50	46.7	93	77-120
594-20-7	2,2-Dichloropropane	50	51.2	102	53-143
563-58-6	1,1-Dichloropropene	50	49.2	98	77-125

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-BS	U155240.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	49.3	99	76-123
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	74-129
100-41-4	Ethylbenzene	50	47.7	95	77-119
87-68-3	Hexachlorobutadiene	50	47.9	96	66-137
98-82-8	Isopropylbenzene	50	46.5	93	74-125
99-87-6	p-Isopropyltoluene	50	50.8	102	78-128
1634-04-4	Methyl Tert Butyl Ether	100	105	105	72-125
108-10-1	4-Methyl-2-pentanone(MIBK)	50	51.5	103	68-131
74-95-3	Methylene bromide	50	49.7	99	79-129
75-09-2	Methylene chloride	50	45.6	91	73-122
91-20-3	Naphthalene	50	45.8	92	61-136
103-65-1	n-Propylbenzene	50	46.4	93	73-121
100-42-5	Styrene	50	48.8	98	77-121
75-65-0	Tert Butyl Alcohol	250	277	111	67-136
994-05-8	tert-Amyl Methyl Ether	50	51.7	103	69-125
637-92-3	tert-Butyl Ethyl Ether	50	51.9	104	67-129
630-20-6	1,1,1,2-Tetrachloroethane	50	48.7	97	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	48.6	97	70-121
127-18-4	Tetrachloroethene	50	45.6	91	64-148
108-88-3	Toluene	50	50.6	101	77-122
87-61-6	1,2,3-Trichlorobenzene	50	47.7	95	69-136
120-82-1	1,2,4-Trichlorobenzene	50	57.9	116	73-133
71-55-6	1,1,1-Trichloroethane	50	50.3	101	76-135
79-00-5	1,1,2-Trichloroethane	50	49.5	99	79-125
79-01-6	Trichloroethene	50	47.1	94	80-129
75-69-4	Trichlorofluoromethane	50	59.3	119	66-145
96-18-4	1,2,3-Trichloropropane	50	49.3	99	72-130
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	77-123
108-67-8	1,3,5-Trimethylbenzene	50	45.7	91	76-123
75-01-4	Vinyl chloride	50	53.0	106	56-133
	m,p-Xylene	100	96.0	96	77-121
95-47-6	o-Xylene	50	48.9	98	80-124
1330-20-7	Xylene (total)	150	145	97	78-121

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7210-BS	U155240.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	91%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98604-1MS	2D105834.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1MSD	2D105835.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1	2D105828.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	JA98604-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
64-17-5	Ethanol	ND		5000	4980	100	4900	98	2	56-158/19
67-64-1	Acetone	ND		50	72.0	144	85.0	170* [a]	17	39-150/20
71-43-2	Benzene	ND		50	57.6	115	55.8	112	3	40-139/12
108-86-1	Bromobenzene	ND		50	57.9	116	57.2	114	1	67-131/12
74-97-5	Bromochloromethane	ND		50	59.6	119	57.0	114	4	67-134/12
75-27-4	Bromodichloromethane	ND		50	57.4	115	55.9	112	3	68-135/12
75-25-2	Bromoform	ND		50	57.7	115	57.2	114	1	55-141/14
74-83-9	Bromomethane	ND		50	36.1	72	30.9	62	16	49-145/16
78-93-3	2-Butanone (MEK)	ND		50	66.4	133	66.1	132	0	55-141/15
104-51-8	n-Butylbenzene	ND		50	51.1	102	49.4	99	3	55-139/15
135-98-8	sec-Butylbenzene	ND		50	51.7	103	49.9	100	4	55-137/14
98-06-6	tert-Butylbenzene	ND		50	51.2	102	49.7	99	3	58-137/15
56-23-5	Carbon tetrachloride	ND		50	46.4	93	44.0	88	5	52-155/16
108-90-7	Chlorobenzene	ND		50	56.3	113	54.5	109	3	66-129/11
75-00-3	Chloroethane	ND		50	36.4	73	31.4	63	15	50-140/16
67-66-3	Chloroform	ND		50	56.4	113	54.8	110	3	63-133/13
74-87-3	Chloromethane	ND		50	29.3	59	28.4	57	3	43-138/17
95-49-8	o-Chlorotoluene	ND		50	54.9	110	54.3	109	1	62-132/13
106-43-4	p-Chlorotoluene	ND		50	57.1	114	56.4	113	1	62-129/13
108-20-3	Di-Isopropyl ether	ND		50	55.8	112	54.5	109	2	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	58.5	117	58.0	116	1	57-142/14
124-48-1	Dibromochloromethane	ND		50	55.8	112	54.6	109	2	64-136/12
106-93-4	1,2-Dibromoethane	ND		50	61.4	123	60.6	121	1	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		50	57.6	115	56.4	113	2	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		50	56.4	113	55.5	111	2	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		50	56.6	113	55.3	111	2	66-127/12
75-71-8	Dichlorodifluoromethane	ND		50	41.2	82	38.8	78	6	31-166/20
75-34-3	1,1-Dichloroethane	ND		50	58.9	118	56.2	112	5	58-132/13
107-06-2	1,2-Dichloroethane	ND		50	57.3	115	55.3	111	4	62-145/12
75-35-4	1,1-Dichloroethene	ND		50	50.7	101	47.9	96	6	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		50	57.7	115	56.6	113	2	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		50	54.7	109	53.0	106	3	53-132/14
78-87-5	1,2-Dichloropropane	ND		50	61.2	122	60.0	120	2	65-128/12
142-28-9	1,3-Dichloropropane	ND		50	61.9	124	60.7	121	2	68-127/11
594-20-7	2,2-Dichloropropane	ND		50	49.9	100	46.5	93	7	41-146/16
563-58-6	1,1-Dichloropropene	ND		50	51.8	104	49.8	100	4	54-139/15

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98604-1MS	2D105834.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1MSD	2D105835.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1	2D105828.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Compound	JA98604-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		50	59.7	119	58.5	117	2	66-130/12
10061-02-6	trans-1,3-Dichloropropene	ND		50	57.5	115	56.9	114	1	64-135/13
100-41-4	Ethylbenzene	ND		50	54.8	110	53.3	107	3	40-140/12
87-68-3	Hexachlorobutadiene	ND		50	43.8	88	42.7	85	3	51-141/16
98-82-8	Isopropylbenzene	ND		50	54.9	110	53.6	107	2	56-138/13
99-87-6	p-Isopropyltoluene	ND		50	51.6	103	50.0	100	3	58-136/14
1634-04-4	Methyl Tert Butyl Ether	ND		50	62.6	125	62.0	124	1	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	75.0	150* [a]	75.0	150* [a]	0	61-138/14
74-95-3	Methylene bromide	ND		50	60.7	121	58.9	118	3	70-134/12
75-09-2	Methylene chloride	ND		50	63.0	126	59.7	119	5	60-130/13
91-20-3	Naphthalene	ND		50	56.7	113	57.7	115	2	51-149/14
103-65-1	n-Propylbenzene	ND		50	54.8	110	53.1	106	3	51-138/14
100-42-5	Styrene	ND		50	57.2	114	56.2	112	2	59-132/13
75-65-0	Tert Butyl Alcohol	ND		250	273	109	264	106	3	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	51.1	102	50.0	100	2	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		50	54.9	110	53.8	108	2	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	53.9	108	53.0	106	2	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	67.8	136* [a]	67.3	135* [a]	1	65-128/12
127-18-4	Tetrachloroethene	ND		50	55.5	111	52.6	105	5	52-143/15
108-88-3	Toluene	ND		50	58.0	116	56.0	112	4	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		50	50.0	100	50.6	101	1	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		50	52.1	104	51.8	104	1	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		50	49.5	99	47.5	95	4	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		50	62.7	125	61.9	124	1	70-129/12
79-01-6	Trichloroethene	ND		50	51.6	103	50.3	101	3	54-142/14
75-69-4	Trichlorofluoromethane	ND		50	40.7	81	38.1	76	7	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		50	63.1	126	62.5	125	1	64-137/13
95-63-6	1,2,4-Trimethylbenzene	ND		50	56.3	113	55.4	111	2	40-147/12
108-67-8	1,3,5-Trimethylbenzene	ND		50	54.7	109	53.5	107	2	50-142/13
75-01-4	Vinyl chloride	ND		50	31.7	63	25.4	51	22* [a]	42-145/18
	m,p-Xylene	ND		100	110	110	107	107	3	39-141/12
95-47-6	o-Xylene	ND		50	56.9	114	55.4	111	3	51-138/12
1330-20-7	Xylene (total)	ND		150	167	111	162	108	3	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98604-1MS	2D105834.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1MSD	2D105835.D	1	02/08/12	ET	n/a	n/a	V2D4358
JA98604-1	2D105828.D	1	02/08/12	ET	n/a	n/a	V2D4358

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-2, JA98545-3

CAS No.	Surrogate Recoveries	MS	MSD	JA98604-1	Limits
1868-53-7	Dibromofluoromethane	96%	95%	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	89%	91%	70-127%
2037-26-5	Toluene-D8	101%	101%	100%	79-120%
460-00-4	4-Bromofluorobenzene	94%	94%	96%	76-118%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98853-2MS	1A113022.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2MSD	1A113023.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113028.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113029.D	100	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	JA98853-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
64-17-5	Ethanol	ND		50000	48900	98	50600	101	3	56-158/19
67-64-1	Acetone	ND		500	713	143	788	158* [a]	10	39-150/20
71-43-2	Benzene	317		500	813	99	789	94	3	40-139/12
108-86-1	Bromobenzene	ND		500	522	104	496	99	5	67-131/12
74-97-5	Bromochloromethane	ND		500	563	113	544	109	3	67-134/12
75-27-4	Bromodichloromethane	ND		500	547	109	515	103	6	68-135/12
75-25-2	Bromoform	ND		500	581	116	545	109	6	55-141/14
74-83-9	Bromomethane	ND		500	542	108	527	105	3	49-145/16
78-93-3	2-Butanone (MEK)	ND		500	631	126	635	127	1	55-141/15
104-51-8	n-Butylbenzene	61.6		500	550	98	527	93	4	55-139/15
135-98-8	sec-Butylbenzene	ND		500	523	105	500	100	4	55-137/14
98-06-6	tert-Butylbenzene	ND		500	538	108	492	98	9	58-137/15
56-23-5	Carbon tetrachloride	ND		500	529	106	489	98	8	52-155/16
108-90-7	Chlorobenzene	ND		500	545	109	521	104	5	66-129/11
75-00-3	Chloroethane	ND		500	526	105	539	108	2	50-140/16
67-66-3	Chloroform	ND		500	542	108	521	104	4	63-133/13
74-87-3	Chloromethane	ND		500	539	108	604	121	11	43-138/17
95-49-8	o-Chlorotoluene	ND		500	489	98	475	95	3	62-132/13
106-43-4	p-Chlorotoluene	ND		500	469	94	457	91	3	62-129/13
108-20-3	Di-Isopropyl ether	ND		500	550	110	577	115	5	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	563	113	511	102	10	57-142/14
124-48-1	Dibromochloromethane	ND		500	541	108	515	103	5	64-136/12
106-93-4	1,2-Dibromoethane	ND		500	556	111	540	108	3	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		500	532	106	508	102	5	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		500	518	104	496	99	4	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		500	517	103	492	98	5	66-127/12
75-71-8	Dichlorodifluoromethane	ND		500	627	125	591	118	6	31-166/20
75-34-3	1,1-Dichloroethane	ND		500	534	107	530	106	1	58-132/13
107-06-2	1,2-Dichloroethane	ND		500	528	106	492	98	7	62-145/12
75-35-4	1,1-Dichloroethene	ND		500	553	111	542	108	2	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		500	545	109	529	106	3	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		500	509	102	496	99	3	53-132/14
78-87-5	1,2-Dichloropropane	ND		500	555	111	533	107	4	65-128/12
142-28-9	1,3-Dichloropropane	ND		500	518	104	506	101	2	68-127/11
594-20-7	2,2-Dichloropropane	ND		500	509	102	484	97	5	41-146/16
563-58-6	1,1-Dichloropropene	ND		500	525	105	505	101	4	54-139/15

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98853-2MS	1A113022.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2MSD	1A113023.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113028.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113029.D	100	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Compound	JA98853-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		500	552	110	533	107	4	66-130/12
10061-02-6	trans-1,3-Dichloropropene	ND		500	532	106	501	100	6	64-135/13
100-41-4	Ethylbenzene	1260		500	1580	64	1550	58	2	40-140/12
87-68-3	Hexachlorobutadiene	ND		500	511	102	491	98	4	51-141/16
98-82-8	Isopropylbenzene	110		500	593	97	574	93	3	56-138/13
99-87-6	p-Isopropyltoluene	ND		500	518	104	500	100	4	58-136/14
1634-04-4	Methyl Tert Butyl Ether	ND		500	533	107	531	106	0	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		500	591	118	583	117	1	61-138/14
74-95-3	Methylene bromide	ND		500	557	111	528	106	5	70-134/12
75-09-2	Methylene chloride	ND		500	550	110	545	109	1	60-130/13
91-20-3	Naphthalene	117		500	690	115	658	108	5	51-149/14
103-65-1	n-Propylbenzene	337		500	739	80	717	76	3	51-138/14
100-42-5	Styrene	ND		500	530	106	504	101	5	59-132/13
75-65-0	Tert Butyl Alcohol	410		2500	3350	118	3090	107	8	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		500	516	103	498	100	4	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		500	554	111	571	114	3	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	508	102	480	96	6	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	541	108	525	105	3	65-128/12
127-18-4	Tetrachloroethene	ND		500	528	106	505	101	4	52-143/15
108-88-3	Toluene	2580 [c]		500	2740	32* [b]	2630	10* [b]	4	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	549	110	523	105	5	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		500	551	110	533	107	3	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		500	542	108	509	102	6	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		500	558	112	531	106	5	70-129/12
79-01-6	Trichloroethene	ND		500	536	107	507	101	6	54-142/14
75-69-4	Trichlorofluoromethane	ND		500	527	105	510	102	3	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		500	548	110	511	102	7	64-137/13
95-63-6	1,2,4-Trimethylbenzene	1470		500	1780	62	1740	54	2	40-147/12
108-67-8	1,3,5-Trimethylbenzene	445		500	871	85	853	82	2	50-142/13
75-01-4	Vinyl chloride	ND		500	513	103	517	103	1	42-145/18
	m,p-Xylene	3420		1000	4080	66	3970	55	3	39-141/12
95-47-6	o-Xylene	957		500	1410	91	1370	83	3	51-138/12
1330-20-7	Xylene (total)	4380		1500	5490	74	5340	64	3	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98853-2MS	1A113022.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2MSD	1A113023.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113028.D	10	02/09/12	CC	n/a	n/a	V1A4849
JA98853-2	1A113029.D	100	02/09/12	CC	n/a	n/a	V1A4849

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-6, JA98545-7, JA98545-8, JA98545-9

CAS No.	Surrogate Recoveries	MS	MSD	JA98853-2	JA98853-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	99%	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	97%	95%	90%	87%	70-127%
2037-26-5	Toluene-D8	99%	97%	97%	96%	79-120%
460-00-4	4-Bromofluorobenzene	91%	92%	89%	89%	76-118%

(a) Outside control limits due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98852-5MS	1A113041.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5MSD	1A113042.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5	1A113044.D	5	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	JA98852-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
64-17-5	Ethanol	ND		25000	23400	94	27000	108	14	56-158/19
67-64-1	Acetone	ND		250	324	130	362	145	11	39-150/20
71-43-2	Benzene	66.1		250	308	97	323	103	5	40-139/12
108-86-1	Bromobenzene	ND		250	255	102	264	106	3	67-131/12
74-97-5	Bromochloromethane	ND		250	270	108	283	113	5	67-134/12
75-27-4	Bromodichloromethane	ND		250	259	104	268	107	3	68-135/12
75-25-2	Bromoform	ND		250	278	111	283	113	2	55-141/14
74-83-9	Bromomethane	ND		250	281	112	274	110	3	49-145/16
78-93-3	2-Butanone (MEK)	ND		250	295	118	322	129	9	55-141/15
104-51-8	n-Butylbenzene	ND		250	252	101	261	104	4	55-139/15
135-98-8	sec-Butylbenzene	ND		250	249	100	257	103	3	55-137/14
98-06-6	tert-Butylbenzene	ND		250	245	98	255	102	4	58-137/15
56-23-5	Carbon tetrachloride	ND		250	249	100	253	101	2	52-155/16
108-90-7	Chlorobenzene	ND		250	262	105	268	107	2	66-129/11
75-00-3	Chloroethane	ND		250	279	112	286	114	2	50-140/16
67-66-3	Chloroform	ND		250	259	104	270	108	4	63-133/13
74-87-3	Chloromethane	ND		250	285	114	284	114	0	43-138/17
95-49-8	o-Chlorotoluene	ND		250	242	97	248	99	2	62-132/13
106-43-4	p-Chlorotoluene	ND		250	226	90	235	94	4	62-129/13
108-20-3	Di-Isopropyl ether	ND		250	270	108	301	120	11	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	261	104	283	113	8	57-142/14
124-48-1	Dibromochloromethane	ND		250	260	104	264	106	2	64-136/12
106-93-4	1,2-Dibromoethane	ND		250	267	107	274	110	3	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		250	258	103	265	106	3	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		250	249	100	257	103	3	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		250	250	100	257	103	3	66-127/12
75-71-8	Dichlorodifluoromethane	ND		250	309	124	306	122	1	31-166/20
75-34-3	1,1-Dichloroethane	ND		250	260	104	276	110	6	58-132/13
107-06-2	1,2-Dichloroethane	ND		250	248	99	253	101	2	62-145/12
75-35-4	1,1-Dichloroethene	ND		250	245	98	265	106	8	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		250	262	105	278	111	6	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		250	247	99	259	104	5	53-132/14
78-87-5	1,2-Dichloropropane	ND		250	262	105	281	112	7	65-128/12
142-28-9	1,3-Dichloropropane	ND		250	249	100	259	104	4	68-127/11
594-20-7	2,2-Dichloropropane	ND		250	195	78	203	81	4	41-146/16
563-58-6	1,1-Dichloropropene	ND		250	253	101	265	106	5	54-139/15

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98852-5MS	1A113041.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5MSD	1A113042.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5	1A113044.D	5	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Compound	JA98852-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		250	256	102	268	107	5	66-130/12
10061-02-6	trans-1,3-Dichloropropene	ND		250	243	97	249	100	2	64-135/13
100-41-4	Ethylbenzene	231		250	433	81	438	83	1	40-140/12
87-68-3	Hexachlorobutadiene	ND		250	244	98	256	102	5	51-141/16
98-82-8	Isopropylbenzene	25.1		250	265	96	278	101	5	56-138/13
99-87-6	p-Isopropyltoluene	ND		250	250	100	259	104	4	58-136/14
1634-04-4	Methyl Tert Butyl Ether	45.0		250	305	104	324	112	6	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		250	285	114	304	122	6	61-138/14
74-95-3	Methylene bromide	ND		250	264	106	272	109	3	70-134/12
75-09-2	Methylene chloride	ND		250	261	104	281	112	7	60-130/13
91-20-3	Naphthalene	27.3		250	305	111	321	117	5	51-149/14
103-65-1	n-Propylbenzene	49.7		250	272	89	282	93	4	51-138/14
100-42-5	Styrene	ND		250	255	102	258	103	1	59-132/13
75-65-0	Tert Butyl Alcohol	169		1250	1620	116	1680	121	4	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		250	258	103	266	106	3	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		250	270	108	292	117	8	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	249	100	254	102	2	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	262	105	276	110	5	65-128/12
127-18-4	Tetrachloroethene	ND		250	255	102	259	104	2	52-143/15
108-88-3	Toluene	451		250	647	78	659	83	2	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		250	264	106	278	111	5	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		250	260	104	277	111	6	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		250	260	104	269	108	3	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		250	264	106	278	111	5	70-129/12
79-01-6	Trichloroethene	ND		250	253	101	264	106	4	54-142/14
75-69-4	Trichlorofluoromethane	ND		250	273	109	273	109	0	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		250	260	104	274	110	5	64-137/13
95-63-6	1,2,4-Trimethylbenzene	467		250	659	77	669	81	2	40-147/12
108-67-8	1,3,5-Trimethylbenzene	160		250	377	87	387	91	3	50-142/13
75-01-4	Vinyl chloride	ND		250	287	115	287	115	0	42-145/18
	m,p-Xylene	726		500	1100	75	1110	77	1	39-141/12
95-47-6	o-Xylene	334		250	554	88	561	91	1	51-138/12
1330-20-7	Xylene (total)	1060		750	1650	79	1670	81	1	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98852-5MS	1A113041.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5MSD	1A113042.D	5	02/10/12	CC	n/a	n/a	V1A4850
JA98852-5	1A113044.D	5	02/10/12	CC	n/a	n/a	V1A4850

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-10

CAS No.	Surrogate Recoveries	MS	MSD	JA98852-5	Limits
1868-53-7	Dibromofluoromethane	101%	103%	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	95%	88%	70-127%
2037-26-5	Toluene-D8	98%	97%	97%	79-120%
460-00-4	4-Bromofluorobenzene	92%	93%	90%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-4MS	U155247.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4MSD	U155248.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4	U155242.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	JA98545-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
64-17-5	Ethanol	ND		5000	5070	101	5220	104	3	56-158/19
67-64-1	Acetone	16.6		50	69.9	107	69.7	106	0	39-150/20
71-43-2	Benzene	39.0		50	94.7	111	91.9	106	3	40-139/12
108-86-1	Bromobenzene	ND		50	50.7	101	50.7	101	0	67-131/12
74-97-5	Bromochloromethane	ND		50	53.0	106	53.0	106	0	67-134/12
75-27-4	Bromodichloromethane	ND		50	49.4	99	47.5	95	4	68-135/12
75-25-2	Bromoform	ND		50	49.1	98	49.7	99	1	55-141/14
74-83-9	Bromomethane	ND		50	48.1	96	46.4	93	4	49-145/16
78-93-3	2-Butanone (MEK)	4.7	J	50	59.0	109	59.6	110	1	55-141/15
104-51-8	n-Butylbenzene	1.8	J	50	50.1	97	48.6	94	3	55-139/15
135-98-8	sec-Butylbenzene	0.74	J	50	45.6	90	44.4	87	3	55-137/14
98-06-6	tert-Butylbenzene	ND		50	44.5	89	43.2	86	3	58-137/15
56-23-5	Carbon tetrachloride	ND		50	50.9	102	47.7	95	6	52-155/16
108-90-7	Chlorobenzene	ND		50	47.5	95	47.2	94	1	66-129/11
75-00-3	Chloroethane	ND		50	47.1	94	44.8	90	5	50-140/16
67-66-3	Chloroform	ND		50	48.4	97	46.6	93	4	63-133/13
74-87-3	Chloromethane	ND		50	44.6	89	42.3	85	5	43-138/17
95-49-8	o-Chlorotoluene	ND		50	45.3	91	45.2	90	0	62-132/13
106-43-4	p-Chlorotoluene	ND		50	48.1	96	47.7	95	1	62-129/13
108-20-3	Di-Isopropyl ether	0.95	J	50	50.3	99	49.3	97	2	51-136/11
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	57.2	114	57.9	116	1	57-142/14
124-48-1	Dibromochloromethane	ND		50	46.9	94	47.1	94	0	64-136/12
106-93-4	1,2-Dibromoethane	ND		50	53.0	106	52.6	105	1	69-132/11
95-50-1	1,2-Dichlorobenzene	ND		50	50.6	101	50.6	101	0	69-129/11
541-73-1	1,3-Dichlorobenzene	ND		50	49.7	99	49.0	98	1	66-130/12
106-46-7	1,4-Dichlorobenzene	ND		50	49.8	100	49.6	99	0	66-127/12
75-71-8	Dichlorodifluoromethane	ND		50	50.8	102	46.7	93	8	31-166/20
75-34-3	1,1-Dichloroethane	ND		50	47.3	95	45.9	92	3	58-132/13
107-06-2	1,2-Dichloroethane	ND		50	52.0	104	50.0	100	4	62-145/12
75-35-4	1,1-Dichloroethene	ND		50	46.0	92	44.4	89	4	43-142/17
156-59-2	cis-1,2-Dichloroethene	ND		50	47.5	95	46.7	93	2	55-132/12
156-60-5	trans-1,2-Dichloroethene	ND		50	47.4	95	46.4	93	2	53-132/14
78-87-5	1,2-Dichloropropane	ND		50	48.6	97	48.1	96	1	65-128/12
142-28-9	1,3-Dichloropropane	ND		50	49.7	99	49.6	99	0	68-127/11
594-20-7	2,2-Dichloropropane	ND		50	50.9	102	47.6	95	7	41-146/16
563-58-6	1,1-Dichloropropene	ND		50	48.5	97	46.2	92	5	54-139/15

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-4MS	U155247.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4MSD	U155248.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4	U155242.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Compound	JA98545-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		50	49.8	100	48.1	96	3	66-130/12
10061-02-6	trans-1,3-Dichloropropene	ND		50	49.8	100	47.7	95	4	64-135/13
100-41-4	Ethylbenzene	27.9		50	93.5	131	92.3	129	1	40-140/12
87-68-3	Hexachlorobutadiene	ND		50	38.0	76	33.7	67	12	51-141/16
98-82-8	Isopropylbenzene	1.4	J	50	48.1	93	47.2	92	2	56-138/13
99-87-6	p-Isopropyltoluene	0.60	J	50	46.9	93	45.5	90	3	58-136/14
1634-04-4	Methyl Tert Butyl Ether	5.6		50	60.9	111	59.9	109	2	54-136/12
108-10-1	4-Methyl-2-pentanone(MIBK)	2.2	J	50	58.6	113	58.2	112	1	61-138/14
74-95-3	Methylene bromide	ND		50	52.2	104	52.9	106	1	70-134/12
75-09-2	Methylene chloride	ND		50	47.6	95	49.5	99	4	60-130/13
91-20-3	Naphthalene	15.9		50	72.1	112	73.1	114	1	51-149/14
103-65-1	n-Propylbenzene	4.1	J	50	51.7	95	51.0	94	1	51-138/14
100-42-5	Styrene	ND		50	37.5	75	37.1	74	1	59-132/13
75-65-0	Tert Butyl Alcohol	ND		250	251	100	246	98	2	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	51.8	104	51.0	102	2	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		50	51.6	103	50.0	100	3	59-134/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	50.1	100	49.4	99	1	69-134/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	55.5	111	55.6	111	0	65-128/12
127-18-4	Tetrachloroethene	ND		50	45.3	91	45.0	90	1	52-143/15
108-88-3	Toluene	1.4		50	52.7	103	51.1	99	3	47-140/12
87-61-6	1,2,3-Trichlorobenzene	ND		50	48.6	97	48.6	97	0	62-137/14
120-82-1	1,2,4-Trichlorobenzene	ND		50	54.4	109	53.2	106	2	64-136/14
71-55-6	1,1,1-Trichloroethane	ND		50	50.0	100	48.0	96	4	55-146/15
79-00-5	1,1,2-Trichloroethane	ND		50	53.2	106	51.4	103	3	70-129/12
79-01-6	Trichloroethene	ND		50	46.1	92	45.3	91	2	54-142/14
75-69-4	Trichlorofluoromethane	ND		50	54.5	109	51.1	102	6	45-159/19
96-18-4	1,2,3-Trichloropropane	ND		50	54.5	109	54.7	109	0	64-137/13
95-63-6	1,2,4-Trimethylbenzene	40.4		50	123	165* [a]	122	163* [a]	1	40-147/12
108-67-8	1,3,5-Trimethylbenzene	4.8		50	54.4	99	53.7	98	1	50-142/13
75-01-4	Vinyl chloride	ND		50	47.4	95	45.4	91	4	42-145/18
	m,p-Xylene	28.5		100	145	117	142	114	2	39-141/12
95-47-6	o-Xylene	0.52	J	50	48.7	96	47.5	94	2	51-138/12
1330-20-7	Xylene (total)	29.0		150	194	110	190	107	2	42-140/12

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-4MS	U155247.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4MSD	U155248.D	1	02/13/12	TDN	n/a	n/a	VU7210
JA98545-4	U155242.D	1	02/13/12	TDN	n/a	n/a	VU7210

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98545-1, JA98545-4, JA98545-5

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-4	Limits
1868-53-7	Dibromofluoromethane	97%	96%	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	90%	87%	91%	70-127%
2037-26-5	Toluene-D8	98%	98%	95%	79-120%
460-00-4	4-Bromofluorobenzene	92%	93%	93%	76-118%

(a) Outside control limits due to matrix interference.

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V1A4837-BFB
Lab File ID: 1A112805.D
Instrument ID: GCMS1A
Injection Date: 02/01/12
Injection Time: 17:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	7621	16.4		Pass
75	30.0 - 60.0% of mass 95	21416	46.0		Pass
95	Base peak, 100% relative abundance	46578	100.0		Pass
96	5.0 - 9.0% of mass 95	3283	7.05		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	50061	107.5		Pass
175	5.0 - 9.0% of mass 174	3843	8.25	(7.68) [a]	Pass
176	95.0 - 101.0% of mass 174	49114	105.4	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3325	7.14	(6.77) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A4837-IC4837	1A112806.D	02/01/12	17:51	00:29	Initial cal 0.5
V1A4837-IC4837	1A112807.D	02/01/12	18:21	00:59	Initial cal 1
V1A4837-IC4837	1A112808.D	02/01/12	18:51	01:29	Initial cal 2
V1A4837-IC4837	1A112809.D	02/01/12	19:21	01:59	Initial cal 5
V1A4837-IC4837	1A112810.D	02/01/12	19:51	02:29	Initial cal 10
V1A4837-IC4837	1A112811.D	02/01/12	20:21	02:59	Initial cal 20
V1A4837-ICC4837	1A112812.D	02/01/12	20:51	03:29	Initial cal 50
V1A4837-IC4837	1A112813.D	02/01/12	21:21	03:59	Initial cal 100
V1A4837-IC4837	1A112814.D	02/01/12	21:51	04:29	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V1A4849-BFB
Lab File ID: 1A113013.D
Instrument ID: GCMS1A
Injection Date: 02/09/12
Injection Time: 11:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	8362	16.3		Pass
75	30.0 - 60.0% of mass 95	23773	46.3		Pass
95	Base peak, 100% relative abundance	51347	100.0		Pass
96	5.0 - 9.0% of mass 95	3500	6.82		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	57709	112.4		Pass
175	5.0 - 9.0% of mass 174	4349	8.47	(7.54) [a]	Pass
176	95.0 - 101.0% of mass 174	56043	109.1	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3701	7.21	(6.60) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A4849-CC4837	1A113014.D	02/09/12	12:30	00:34	Continuing cal 20
V1A4849-MB	1A113016.D	02/09/12	13:36	01:40	Method Blank
V1A4849-BS	1A113017.D	02/09/12	14:07	02:11	Blank Spike
JA98545-7	1A113019.D	02/09/12	15:18	03:22	137530-MW-14
JA98545-8	1A113020.D	02/09/12	15:49	03:53	137530-MW-16
JA98545-6	1A113021.D	02/09/12	16:19	04:23	137530-MW-09
JA98853-2MS	1A113022.D	02/09/12	16:49	04:53	Matrix Spike
JA98853-2MSD	1A113023.D	02/09/12	17:20	05:24	Matrix Spike Duplicate
JA98545-9	1A113025.D	02/09/12	18:19	06:23	137530-MW-17
JA98545-9	1A113026.D	02/09/12	18:49	06:53	137530-MW-17
JA98853-2	1A113028.D	02/09/12	19:49	07:53	(used for QC only; not part of job JA98545)
JA98853-2	1A113029.D	02/09/12	20:20	08:24	(used for QC only; not part of job JA98545)
ZZZZZZ	1A113030.D	02/09/12	20:50	08:54	(unrelated sample)
ZZZZZZ	1A113031.D	02/09/12	21:20	09:24	(unrelated sample)
ZZZZZZ	1A113032.D	02/09/12	21:49	09:53	(unrelated sample)
ZZZZZZ	1A113033.D	02/09/12	22:19	10:23	(unrelated sample)
ZZZZZZ	1A113034.D	02/09/12	22:50	10:54	(unrelated sample)
ZZZZZZ	1A113035.D	02/09/12	23:19	11:23	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V1A4850-BFB
Lab File ID: 1A113036.D
Instrument ID: GCMS1A
Injection Date: 02/09/12
Injection Time: 23:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	8831	15.8		Pass
75	30.0 - 60.0% of mass 95	25592	45.8		Pass
95	Base peak, 100% relative abundance	55925	100.0		Pass
96	5.0 - 9.0% of mass 95	3788	6.77		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	61845	110.6		Pass
175	5.0 - 9.0% of mass 174	4611	8.24	(7.46) [a]	Pass
176	95.0 - 101.0% of mass 174	59747	106.8	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4092	7.32	(6.85) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A4850-CC4837	1A113037.D	02/10/12	00:19	00:30	Continuing cal 50
V1A4850-MB	1A113039.D	02/10/12	01:18	01:29	Method Blank
V1A4850-BS	1A113040.D	02/10/12	01:48	01:59	Blank Spike
JA98852-5MS	1A113041.D	02/10/12	02:18	02:29	Matrix Spike
JA98852-5MSD	1A113042.D	02/10/12	02:48	02:59	Matrix Spike Duplicate
JA98852-5	1A113044.D	02/10/12	03:47	03:58	(used for QC only; not part of job JA98545)
ZZZZZZ	1A113045.D	02/10/12	04:17	04:28	(unrelated sample)
ZZZZZZ	1A113048.D	02/10/12	05:47	05:58	(unrelated sample)
ZZZZZZ	1A113050.D	02/10/12	06:47	06:58	(unrelated sample)
ZZZZZZ	1A113051.D	02/10/12	07:16	07:27	(unrelated sample)
ZZZZZZ	1A113052.D	02/10/12	07:46	07:57	(unrelated sample)
JA98545-10	1A113053.D	02/10/12	08:17	08:28	137530-MW-20

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V2D4234-BFB
Lab File ID: 2D103158.D
Instrument ID: GCMS2D
Injection Date: 11/22/11
Injection Time: 08:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20637	18.6		Pass
75	30.0 - 60.0% of mass 95	52525	47.3		Pass
95	Base peak, 100% relative abundance	111048	100.0		Pass
96	5.0 - 9.0% of mass 95	7446	6.71		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	108146	97.4		Pass
175	5.0 - 9.0% of mass 174	8176	7.36	(7.56) [a]	Pass
176	95.0 - 101.0% of mass 174	105736	95.2	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6789	6.11	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D4234-IC4234	2D103159.D	11/22/11	09:23	00:34	Initial cal 0.5
V2D4234-IC4234	2D103160.D	11/22/11	09:56	01:07	Initial cal 1
V2D4234-IC4234	2D103161.D	11/22/11	10:28	01:39	Initial cal 2
V2D4234-IC4234	2D103162.D	11/22/11	11:00	02:11	Initial cal 5
V2D4234-IC4234	2D103163.D	11/22/11	11:32	02:43	Initial cal 10
V2D4234-ICC4234	2D103165.D	11/22/11	12:37	03:48	Initial cal 50
V2D4234-IC4234	2D103166.D	11/22/11	13:09	04:20	Initial cal 100
V2D4234-IC4234	2D103167.D	11/22/11	13:41	04:52	Initial cal 200
V2D4234-IC4234	2D103169.D	11/22/11	14:46	05:57	Initial cal 20
V2D4234-ICV4234	2D103170.D	11/22/11	16:01	07:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: V2D4358-BFB
Lab File ID: 2D105823.D
Instrument ID: GCMS2D
Injection Date: 02/08/12
Injection Time: 13:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14124	17.9		Pass
75	30.0 - 60.0% of mass 95	36386	46.1		Pass
95	Base peak, 100% relative abundance	78880	100.0		Pass
96	5.0 - 9.0% of mass 95	5166	6.55		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	78162	99.1		Pass
175	5.0 - 9.0% of mass 174	6369	8.07	(8.15) [a]	Pass
176	95.0 - 101.0% of mass 174	76770	97.3	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5191	6.58	(6.76) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D4358-CC4234	2D105824.D	02/08/12	15:08	01:28	Continuing cal 20
V2D4358-MB	2D105826.D	02/08/12	15:45	02:05	Method Blank
V2D4358-BS	2D105827.D	02/08/12	16:45	03:05	Blank Spike
JA98604-1	2D105828.D	02/08/12	17:20	03:40	(used for QC only; not part of job JA98545)
ZZZZZZ	2D105829.D	02/08/12	17:52	04:12	(unrelated sample)
ZZZZZZ	2D105830.D	02/08/12	18:24	04:44	(unrelated sample)
ZZZZZZ	2D105831.D	02/08/12	19:28	05:48	(unrelated sample)
ZZZZZZ	2D105832.D	02/08/12	20:00	06:20	(unrelated sample)
ZZZZZZ	2D105833.D	02/08/12	20:32	06:52	(unrelated sample)
JA98604-1MS	2D105834.D	02/08/12	21:04	07:24	Matrix Spike
JA98604-1MSD	2D105835.D	02/08/12	21:37	07:57	Matrix Spike Duplicate
ZZZZZZ	2D105837.D	02/08/12	22:41	09:01	(unrelated sample)
JA98545-2	2D105841.D	02/09/12	00:50	11:10	137530-MW-04
JA98545-3	2D105842.D	02/09/12	01:23	11:43	137530-MW-05

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: VU7144-BFB
Lab File ID: U153742.D
Instrument ID: GCMSU
Injection Date: 01/05/12
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26688	19.2		Pass
75	30.0 - 60.0% of mass 95	64589	46.4		Pass
95	Base peak, 100% relative abundance	139056	100.0		Pass
96	5.0 - 9.0% of mass 95	8908	6.41		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	150379	108.1		Pass
175	5.0 - 9.0% of mass 174	12005	8.63	(7.98) [a]	Pass
176	95.0 - 101.0% of mass 174	147840	106.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	9441	6.79	(6.39) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7144-IC7144	U153743.D	01/05/12	11:12	00:29	Initial cal 1
VU7144-IC7144	U153744.D	01/05/12	11:43	01:00	Initial cal 0.5
VU7144-IC7144	U153745.D	01/05/12	12:12	01:29	Initial cal 2
VU7144-IC7144	U153746.D	01/05/12	12:42	01:59	Initial cal 5
VU7144-IC7144	U153747.D	01/05/12	13:19	02:36	Initial cal 10
VU7144-IC7144	U153748.D	01/05/12	13:48	03:05	Initial cal 20
VU7144-ICC7144	U153749.D	01/05/12	14:17	03:34	Initial cal 50
VU7144-IC7144	U153750.D	01/05/12	14:46	04:03	Initial cal 100
VU7144-IC7144	U153751.D	01/05/12	15:16	04:33	Initial cal 200
VU7144-ICV7144	U153754.D	01/05/12	18:29	07:46	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample: VU7210-BFB
Lab File ID: U155236.D
Instrument ID: GCMSU
Injection Date: 02/13/12
Injection Time: 10:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	27269	18.3		Pass
75	30.0 - 60.0% of mass 95	70901	47.5		Pass
95	Base peak, 100% relative abundance	149152	100.0		Pass
96	5.0 - 9.0% of mass 95	10226	6.86		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	157299	105.5		Pass
175	5.0 - 9.0% of mass 174	13092	8.78	(8.32) [a]	Pass
176	95.0 - 101.0% of mass 174	156099	104.7	(99.2) [a]	Pass
177	5.0 - 9.0% of mass 176	10269	6.88	(6.58) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7210-CC7144	U155237.D	02/13/12	10:55	00:31	Continuing cal 20
VU7210-MB	U155239.D	02/13/12	12:01	01:37	Method Blank
VU7210-BS	U155240.D	02/13/12	12:30	02:06	Blank Spike
JA98545-4	U155242.D	02/13/12	13:29	03:05	137530-MW-06
JA98545-5	U155244.D	02/13/12	14:27	04:03	137530-MW-07
JA98545-1	U155245.D	02/13/12	14:56	04:32	137530-MW02A
JA98545-1	U155246.D	02/13/12	15:25	05:01	137530-MW02A
JA98545-4MS	U155247.D	02/13/12	15:54	05:30	Matrix Spike
JA98545-4MSD	U155248.D	02/13/12	16:24	06:00	Matrix Spike Duplicate

Volatile Surrogate Recovery Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98545-1	U155245.D	95.0	89.0	97.0	95.0
JA98545-1	U155246.D	98.0	91.0	95.0	93.0
JA98545-2	2D105841.D	94.0	92.0	100.0	93.0
JA98545-3	2D105842.D	91.0	87.0	100.0	95.0
JA98545-4	U155242.D	95.0	91.0	95.0	93.0
JA98545-5	U155244.D	97.0	92.0	92.0	94.0
JA98545-6	1A113021.D	99.0	92.0	102.0	84.0
JA98545-7	1A113019.D	100.0	93.0	96.0	86.0
JA98545-8	1A113020.D	102.0	93.0	96.0	86.0
JA98545-9	1A113025.D	98.0	89.0	96.0	93.0
JA98545-9	1A113026.D	98.0	88.0	95.0	90.0
JA98545-10	1A113053.D	100.0	87.0	93.0	93.0
JA98545-4MS	U155247.D	97.0	90.0	98.0	92.0
JA98545-4MSD	U155248.D	96.0	87.0	98.0	93.0
JA98604-1MS	2D105834.D	96.0	91.0	101.0	94.0
JA98604-1MSD	2D105835.D	95.0	89.0	101.0	94.0
JA98852-5MS	1A113041.D	101.0	95.0	98.0	92.0
JA98852-5MSD	1A113042.D	103.0	95.0	97.0	93.0
JA98853-2MS	1A113022.D	102.0	97.0	99.0	91.0
JA98853-2MSD	1A113023.D	102.0	95.0	97.0	92.0
V1A4849-BS	1A113017.D	103.0	96.0	98.0	90.0
V1A4849-MB	1A113016.D	101.0	91.0	96.0	86.0
V1A4850-BS	1A113040.D	101.0	95.0	98.0	90.0
V1A4850-MB	1A113039.D	100.0	90.0	96.0	85.0
V2D4358-BS	2D105827.D	94.0	89.0	99.0	94.0
V2D4358-MB	2D105826.D	94.0	91.0	99.0	96.0
VU7210-BS	U155240.D	98.0	89.0	98.0	91.0
VU7210-MB	U155239.D	97.0	92.0	98.0	95.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey

ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-MB3	LM51986.D	1	02/10/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB1	LM52001.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	68-114%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB2	LM52009.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-MB1	LM51966.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

GLM2096-BS, JA98431-11MS, JA98431-11MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	68-114%

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2096-BS	LM51967.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.02	100	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-BS	LM52005.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-7, JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	9.34	117	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	106%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98431-11MS	LM51972.D	1	02/09/12	RP	n/a	n/a	GLM2096
JA98431-11MSD	LM51973.D	1	02/09/12	RP	n/a	n/a	GLM2096
JA98431-11	LM51969.D	1	02/09/12	RP	n/a	n/a	GLM2096

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6

CAS No.	Compound	JA98431-11 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.738		8	10.2	118	9.57	110	6	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98431-11	Limits
98-08-8	aaa-Trifluorotoluene	116%* [a]	117%* [a]	102%	68-114%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-7MS	LM52006.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7MSD	LM52007.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7	LM52002.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-7, JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	JA98545-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.230		8	7.23	88	7.41	90	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-7	Limits
98-08-8	aaa-Trifluorotoluene	103%	104%	88%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA98545-1	LM51989.D	92.0
JA98545-2	LM51990.D	92.0
JA98545-3	LM51991.D	93.0
JA98545-4	LM51995.D	96.0
JA98545-5	LM51992.D	99.0
JA98545-6	LM51993.D	92.0
JA98545-7	LM52002.D	88.0
JA98545-8	LM52012.D	88.0
JA98545-9	LM52013.D	98.0
JA98545-10	LM52011.D	95.0
GLM2096-BS	LM51967.D	112.0
GLM2096-MB3	LM51986.D	88.0
GLM2097-BS	LM52005.D	106.0
GLM2097-MB1	LM52001.D	87.0
GLM2097-MB2	LM52009.D	88.0
JA98431-11MS	LM51972.D	116.0* [b]
JA98431-11MSD	LM51973.D	117.0* [b]
JA98545-7MS	LM52006.D	103.0
JA98545-7MSD	LM52007.D	104.0
GLM2096-MB1	LM51966.D	97.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1
(b) Outside control limits due to matrix interference.

New Jersey
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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-MB1	2Z21546.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	34-131%
16416-32-3	Tetracosane-d50	87%	15-119%
438-22-2	5a-Androstane	72%	11-119%

Blank Spike Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-BS1	2Z21547.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.395	40	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	76%	34-131%
16416-32-3	Tetracosane-d50	91%	15-119%
438-22-2	5a-Androstane	73%	11-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54670-MS	2Z21548.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
OP54670-MSD	2Z21549.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906
JA98545-1	2Z21557.D	1	02/07/12	CS	02/06/12	OP54670	G2Z906

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

CAS No.	Compound	JA98545-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	0.295		2	1.93	82	1.90	80	2	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-1	Limits
84-15-1	o-Terphenyl	94%	93%	77%	34-131%
16416-32-3	Tetracosane-d50	120%* [a]	117%	98%	15-119%
438-22-2	5a-Androstane	99%	97%	78%	11-119%

(a) Outside of in house control limits.

Semivolatile Surrogate Recovery Summary

Job Number: JA98545
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA98545-1	2Z21557.D	77.0	98.0	78.0
JA98545-2	2Z21558.D	74.0	91.0	76.0
JA98545-3	2Z21559.D	68.0	86.0	69.0
JA98545-4	2Z21560.D	56.0	72.0	57.0
JA98545-5	2Z21561.D	70.0	89.0	71.0
JA98545-6	2Z21562.D	56.0	74.0	59.0
JA98545-7	2Z21563.D	70.0	86.0	71.0
JA98545-8	2Z21564.D	61.0	79.0	59.0
JA98545-9	2Z21565.D	71.0	88.0	71.0
JA98545-10	2Z21566.D	76.0	95.0	77.0
OP54670-BS1	2Z21547.D	76.0	91.0	73.0
OP54670-MB1	2Z21546.D	79.0	87.0	72.0
OP54670-MS	2Z21548.D	94.0	120.0* [b]	99.0
OP54670-MSD	2Z21549.D	93.0	117.0	97.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1
(b) Outside of in house control limits.

New Jersey

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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					02/06/12		02/06/12
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	6.5	8.8				
Antimony	6.0	.8	1.3				
Arsenic	3.0	.7	.92				
Barium	200	.3	.44				
Beryllium	1.0	.04	.24				
Bismuth	20	1	.24				
Boron	100	1.1	2				
Cadmium	3.0	.1	.2				
Calcium	5000	100	32				
Chromium	10	.3	.9				
Cobalt	50	.2	.3				
Copper	10	3.9	.85				
Iron	100	2.7	7.7	18.3	<100	12.3	<100
Lead	3.0	.5	1.7				
Lithium	20	1.3	2.7				
Magnesium	5000	14	17				
Manganese	15	.08	.18				
Molybdenum	20	.9	1.7				
Nickel	10	1.3	.41				
Palladium	50	.9	1.7				
Potassium	10000	34	62				
Selenium	10	1.1	1.8				
Silicon	200	3.8	9				
Silver	10	.3	.72				
Sodium	10000	11	14				
Sulfur	50	7.3	4.4				
Strontium	10	.2	.3				
Thallium	2.0	1	1.7				
Tin	10	.9	1.1				
Titanium	10	.3	.88				
Tungsten	50	7.5	6.5				
Vanadium	50	.2	.43				
Zinc	20	8.7	2.8				

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	10	.3	4.5

Associated samples MP62584: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/12

Metal	JA98267-1F Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium					
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	27700	29100	1000	140.0(a)	75-125
Lead	anr				
Lithium					
Magnesium	anr				
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP62584: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/12

Metal	JA98267-1F Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	27700	28900	1000	120.0	0.7	20
Lead	anr					
Lithium						
Magnesium	anr					
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP62584: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/12

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	5110	5500	92.9	80-120
Lead	anr			
Lithium				
Magnesium	anr			
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP62584: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/12

Metal	JA98267-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	27700	28000	1.0	0-10
Lead	anr			
Lithium				
Magnesium	anr			
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

QC Batch ID: MP62584 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP62584: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9, JA98545-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New Jersey
ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN61346	5.0	0.0	mg/l	50	53.5	107.0	80-120%
Alkalinity, Total as CaCO3	GN61645	5.0	0.0	mg/l	50	53.5	107.0	80-120%
BOD, 5 Day	GP62826/GN61276	2.0	0.0	mg/l	198	186	93.9	85-115%
BOD, 5 Day	GP62826/GN61276			mg/l	198	184	92.9	85-115%
Chemical Oxygen Demand	GP62922/GN61513	20	0.0	mg/l				
Chemical Oxygen Demand	GP62922/GN61513	20	0.0	mg/l	50	47.9	95.8	90-110%
Chemical Oxygen Demand	GP62929/GN61563	20	0.0	mg/l				
Chemical Oxygen Demand	GP62929/GN61563	20	0.0	mg/l	50	47.9	95.8	90-110%
Chemical Oxygen Demand	GP62929/GN61581	20	0.0	mg/l				
Chemical Oxygen Demand	GP62929/GN61581	20	0.0	mg/l	150	165	110.0	90-110%
Chemical Oxygen Demand	GP62929/GN61581			mg/l	750	776	103.5	90-110%
Iron, Ferrous	GN61295	0.20	0.0	mg/l				
Iron, Ferrous	GN61295	0.20	0.0	mg/l				
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	0.10	0.0	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrate + Nitrite	GP62946/GN61613	0.10	0.0	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GN61210	0.010	0.0	mg/l	.040	0.039	97.5	90-110%
Sulfate	GP62917/GN61493	10	0.0	mg/l	80	82.0	102.5	90-110%
Sulfate	GP62920/GN61494	10	0.0	mg/l	80	84.3	105.4	90-110%
Sulfate	GP62920/GN61566	10	0.0	mg/l	80	83.3	104.1	90-110%
Sulfide	GN61467	2.0	0.0	mg/l	4.75	4.6	96.8	80-120%

Associated Samples:
Batch GN61210: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61295: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61346: JA98545-10, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61467: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61645: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5
Batch GP62826: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62917: JA98545-10, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62920: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5
Batch GP62922: JA98545-1, JA98545-2, JA98545-3, JA98545-6
Batch GP62929: JA98545-10, JA98545-4, JA98545-5, JA98545-7, JA98545-8, JA98545-9
Batch GP62945: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6
Batch GP62946: JA98545-10, JA98545-7, JA98545-8, JA98545-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN61346	JA97751-1	mg/l	29.2	29.2	0.0	0-10%
Alkalinity, Total as CaCO3	GN61645	JA98431-1	mg/l	91.1	90.5	0.7	0-10%
BOD, 5 Day	GP62826/GN61276	JA98545-1	mg/l	8.5	8.9	4.6	0-33%
Chemical Oxygen Demand	GP62922/GN61513	JA98431-1	mg/l	26.6	26.6	0.0	0-32%
Chemical Oxygen Demand	GP62929/GN61581	JA98884-2	mg/l	470	494	5.0	0-32%
Iron, Ferrous	GN61295	JA98545-8	mg/l	0.61	0.61	0.0	0-12%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	JA98431-8	mg/l	0.089	0.090	1.1	0-26%
Nitrogen, Nitrate + Nitrite	GP62946/GN61613	JA98545-8	mg/l	1.6	1.6	0.0	0-26%
Nitrogen, Nitrite	GN61210	JA98424-5	mg/l	0.0	0.0	0.0	0-22%
Sulfate	GP62917/GN61493	JA97693-1	mg/l	67.9	69.2	1.9	0-20%
Sulfate	GP62920/GN61494	JA98431-1	mg/l	38.3	37.4	2.4	0-20%
Sulfide	GN61467	JA98545-1	mg/l	0.0	0.0	0.0	0-14%

Associated Samples:
Batch GN61210: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61295: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61346: JA98545-10, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61467: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61645: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5
Batch GP62826: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62917: JA98545-10, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62920: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5
Batch GP62922: JA98545-1, JA98545-2, JA98545-3, JA98545-6
Batch GP62929: JA98545-10, JA98545-4, JA98545-5, JA98545-7, JA98545-8, JA98545-9
Batch GP62945: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6
Batch GP62946: JA98545-10, JA98545-7, JA98545-8, JA98545-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA98545
Account: SHELLWIC - Shell Oil Products US
Project: URSMDG:SS#137530, 400 Compass Road, Baltimore, MD

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chemical Oxygen Demand	GP62922/GN61513	JA98431-1	mg/l	26.6	50	74.5	95.8	54-139%
Chemical Oxygen Demand	GP62929/GN61581	JA98884-2	mg/l	470	250	706	94.4	54-139%
Nitrogen, Nitrate + Nitrite	GP62945/GN61613	JA98431-8	mg/l	0.089	2	2.4	115.6N(a)	90-110%
Nitrogen, Nitrate + Nitrite	GP62946/GN61613	JA98545-8	mg/l	1.6	2	3.6	100.0	90-110%
Nitrogen, Nitrite	GN61210	JA98424-5	mg/l	0.0	0.040	0.026	65.0	64-117%
Sulfate	GP62917/GN61493	JA97693-1	mg/l	67.9	80	136	85.1	80-120%
Sulfate	GP62920/GN61494	JA98431-1	mg/l	38.3	80	120	102.1	80-120%
Sulfide	GN61467	JA98545-2	mg/l	0.34	3.28	3.2	87.2	60-125%

Associated Samples:
Batch GN61210: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GN61467: JA98545-1, JA98545-10, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62917: JA98545-10, JA98545-6, JA98545-7, JA98545-8, JA98545-9
Batch GP62920: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5
Batch GP62922: JA98545-1, JA98545-2, JA98545-3, JA98545-6
Batch GP62929: JA98545-10, JA98545-4, JA98545-5, JA98545-7, JA98545-8, JA98545-9
Batch GP62945: JA98545-1, JA98545-2, JA98545-3, JA98545-4, JA98545-5, JA98545-6
Batch GP62946: JA98545-10, JA98545-7, JA98545-8, JA98545-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

New Jersey
ACCUTEST LABORATORIES

02/13/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA98556

Sampling Date: 02/02/12

Report to:

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ATTN: Jenna Anthony

Total number of pages in report: **23**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA98556-1: 711 BRYANTS NURSERY 6
3.2: JA98556-2: 710 BRYANTS NURSERY 7
3.3: JA98556-3: 720 BRYANTS NURSERY 8
3.4: JA98556-4: 721 BRYANTS NURSERY 9
Section 4: Misc. Forms **10**
4.1: Chain of Custody 11
Section 5: GC/MS Volatiles - QC Data Summaries **13**
5.1: Method Blank Summary 14
5.2: Blank Spike Summary 16
5.3: Matrix Spike/Matrix Spike Duplicate Summary 18
5.4: Instrument Performance Checks (BFB) 20
5.5: Surrogate Recovery Summaries 23

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA98556

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98556-1	02/02/12	09:15	RB	02/03/12	AQ	Ground Water	711 BRYANTS NURSERY
JA98556-2	02/02/12	09:00	RB	02/03/12	AQ	Ground Water	710 BRYANTS NURSERY
JA98556-3	02/02/12	09:30	RB	02/03/12	AQ	Ground Water	720 BRYANTS NURSERY
JA98556-4	02/02/12	09:45	RB	02/03/12	AQ	Ground Water	721 BRYANTS NURSERY

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA98556
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	2/13/2012 1:32:45 PM

On 02/03/2012, 4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98556 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V4D906

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98748-3MS, JA98748-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Di-Isopropyl ether, tert-Amyl Methyl Ether, tert-Butyl Ethyl Ether are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Di-Isopropyl ether, tert-Amyl Methyl Ether, tert-Butyl Ethyl Ether are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** V4D908

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98671-1MS, JA98671-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for tert-Amyl Methyl Ether, tert-Butyl Ethyl Ether are outside control limits.
- V4D908-BS for tert-Butyl Ethyl Ether: High percent recoveries and no associated positive found in the QC batch.
- V4D908-BS for tert-Amyl Methyl Ether: High percent recoveries and no associated positive found in the QC batch.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	711 BRYANTS NURSERY		
Lab Sample ID:	JA98556-1	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20351.D	1	02/08/12	TYG	n/a	n/a	V4D906
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		77-120%
17060-07-0	1,2-Dichloroethane-D4	107%		70-127%
2037-26-5	Toluene-D8	88%		79-120%
460-00-4	4-Bromofluorobenzene	89%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	710 BRYANTS NURSERY		
Lab Sample ID:	JA98556-2	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20375.D	1	02/08/12	TYG	n/a	n/a	V4D908
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	0.30	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		77-120%
17060-07-0	1,2-Dichloroethane-D4	85%		70-127%
2037-26-5	Toluene-D8	84%		79-120%
460-00-4	4-Bromofluorobenzene	84%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	720 BRYANTS NURSERY		
Lab Sample ID:	JA98556-3	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20376.D	1	02/08/12	TYG	n/a	n/a	V4D908
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.35	1.0	0.18	ug/l	J
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	0.66	5.0	0.25	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		77-120%
17060-07-0	1,2-Dichloroethane-D4	86%		70-127%
2037-26-5	Toluene-D8	84%		79-120%
460-00-4	4-Bromofluorobenzene	83%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	721 BRYANTS NURSERY		
Lab Sample ID:	JA98556-4	**Date Sampled:**	02/02/12
Matrix:	AQ - Ground Water	**Date Received:**	02/03/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20354.D	1	02/08/12	TYG	n/a	n/a	V4D906
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable BTEX,MTBE,TBA,DIPE,TAME,ETBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		77-120%
17060-07-0	1,2-Dichloroethane-D4	108%		70-127%
2037-26-5	Toluene-D8	91%		79-120%
460-00-4	4-Bromofluorobenzene	89%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [x] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SDACM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #:

INCIDENT # (ENV SERVICES): 97436977 (137675

SAP #: 137675

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2-2-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 12420 Milestone Center Drive, Suite 150, Germantown, MD 20876

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-820-3241

FAX: 301-820-3409

Bill To Contact E-MAIL: Adriane.Rogers@urs.com

SITE ADDRESS: Street and City

State

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-820-3241

E-MAIL: Adriane.Rogers@urs.com

CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print): Robert Burns

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 1.0°C; Cooler #2; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
Send 999 Retest

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS: JA98556

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Lab use only	Field Sample Identification	Sampling Date	Sampling Time	Matrix	HCL	HNO3	H2SO4	NONE	OTHER	No. of Cont.	[redacted]	[redacted]	[redacted]	BTEX/MTBE(8260)+OXYS	Container PID Readings or Laboratory Notes
-1	711 Bryants Nursery	0212	0915	GW	x					3				X	8996
-2	710 Bryants Nursery		0920	GW	x					3			X	X	
-3	720 Bryants Nursery		0930	GW	x					3			X	X	
-4	721 Bryants Nursery		0945	GW	x					3			X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FedEx 8740 8386 9060		
FedEx	Madrus	2-3-12	0930

05/2/08 Revision

JA98556: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98556 **Client:**

Date / Time Received: 2/3/2012 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98556: Chain of Custody
Page 2 of 2

New Jersey

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D906-MB	4D20339.D	1	02/07/12	TYG	n/a	n/a	V4D906

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-1, JA98556-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	77-120%
17060-07-0	1,2-Dichloroethane-D4	108%	70-127%
2037-26-5	Toluene-D8	89%	79-120%
460-00-4	4-Bromofluorobenzene	89%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D908-MB	4D20364.D	1	02/08/12	TYG	n/a	n/a	V4D908

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-2, JA98556-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-65-0	Tert Butyl Alcohol	ND	25	1.9	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	0.33	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	5.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	77-120%
17060-07-0	1,2-Dichloroethane-D4	91%	70-127%
2037-26-5	Toluene-D8	86%	79-120%
460-00-4	4-Bromofluorobenzene	85%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D906-BS	4D20340.D	1	02/07/12	TYG	n/a	n/a	V4D906

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-1, JA98556-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	48.5	97	76-119
108-20-3	Di-Isopropyl ether	50	63.1	126	59-130
100-41-4	Ethylbenzene	50	46.9	94	77-119
1634-04-4	Methyl Tert Butyl Ether	100	111	111	72-125
75-65-0	Tert Butyl Alcohol	250	246	98	67-136
994-05-8	tert-Amyl Methyl Ether	50	61.4	123	69-125
637-92-3	tert-Butyl Ethyl Ether	50	61.6	123	67-129
108-88-3	Toluene	50	47.8	96	77-122
1330-20-7	Xylene (total)	150	141	94	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	77-120%
17060-07-0	1,2-Dichloroethane-D4	109%	70-127%
2037-26-5	Toluene-D8	89%	79-120%
460-00-4	4-Bromofluorobenzene	89%	76-118%

Blank Spike Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D908-BS	4D20365.D	1	02/08/12	TYG	n/a	n/a	V4D908

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-2, JA98556-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	52.6	105	76-119
108-20-3	Di-Isopropyl ether	50	64.7	129	59-130
100-41-4	Ethylbenzene	50	51.1	102	77-119
1634-04-4	Methyl Tert Butyl Ether	100	118	118	72-125
75-65-0	Tert Butyl Alcohol	250	310	124	67-136
994-05-8	tert-Amyl Methyl Ether	50	67.6	135* [a]	69-125
637-92-3	tert-Butyl Ethyl Ether	50	66.4	133* [a]	67-129
108-88-3	Toluene	50	52.3	105	77-122
1330-20-7	Xylene (total)	150	160	107	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	70-127%
2037-26-5	Toluene-D8	86%	79-120%
460-00-4	4-Bromofluorobenzene	85%	76-118%

(a) High percent recoveries and no associated positive found in the QC batch.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98748-3MS	4D20341.D	1	02/08/12	TYG	n/a	n/a	V4D906
JA98748-3MSD	4D20342.D	1	02/08/12	TYG	n/a	n/a	V4D906
JA98748-3 [a]	4D20346.D	1	02/08/12	TYG	n/a	n/a	V4D906

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-1, JA98556-4

CAS No.	Compound	JA98748-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	5.7		50	48.1	85	47.0	83	2	40-139/12
108-20-3	Di-Isopropyl ether	0.51	J	50	73.9	147*	71.6	142*	3	51-136/11
100-41-4	Ethylbenzene	0.97	J	50	41.3	81	41.0	80	1	40-140/12
1634-04-4	Methyl Tert Butyl Ether	7.5		50	65.7	116	63.8	113	3	54-136/12
75-65-0	Tert Butyl Alcohol	61.6		250	410	139	407	138	1	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	72.9	146*	70.4	141*	3	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		50	71.8	144*	70.8	142*	1	59-134/11
108-88-3	Toluene	3.5		50	45.6	84	44.8	83	2	47-140/12
1330-20-7	Xylene (total)	5.7		150	132	84	130	83	2	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98748-3	Limits
1868-53-7	Dibromofluoromethane	92%	92%		77-120%
17060-07-0	1,2-Dichloroethane-D4	107%	108%		70-127%
2037-26-5	Toluene-D8	90%	91%		79-120%
460-00-4	4-Bromofluorobenzene	90%	91%		76-118%

(a) Sample used for QC purposes only.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98671-1MS	4D20372.D	1	02/08/12	TYG	n/a	n/a	V4D908
JA98671-1MSD	4D20373.D	1	02/08/12	TYG	n/a	n/a	V4D908
JA98671-1	4D20368.D	1	02/08/12	TYG	n/a	n/a	V4D908

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98556-2, JA98556-3

CAS No.	Compound	JA98671-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	48.2	96	48.0	96	0	40-139/12
108-20-3	Di-Isopropyl ether	ND		50	55.5	111	54.5	109	2	51-136/11
100-41-4	Ethylbenzene	ND		50	47.9	96	45.7	91	5	40-140/12
1634-04-4	Methyl Tert Butyl Ether	7.8		50	59.5	103	59.6	104	0	54-136/12
75-65-0	Tert Butyl Alcohol	15.1		250	301	114	309	118	3	57-153/16
994-05-8	tert-Amyl Methyl Ether	ND		50	57.4	115	57.9	116	1	60-133/11
637-92-3	tert-Butyl Ethyl Ether	ND		50	57.1	114	56.7	113	1	59-134/11
108-88-3	Toluene	ND		50	49.0	98	47.5	95	3	47-140/12
1330-20-7	Xylene (total)	0.26		150	146	97	139	92	5	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98671-1	Limits
1868-53-7	Dibromofluoromethane	85%	84%	87%	77-120%
17060-07-0	1,2-Dichloroethane-D4	90%	88%	91%	70-127%
2037-26-5	Toluene-D8	87%	86%	85%	79-120%
460-00-4	4-Bromofluorobenzene	87%	86%	86%	76-118%

Instrument Performance Check (BFB)

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V4D872-BFB
Lab File ID: 4D19732.D
Instrument ID: GCMS4D
Injection Date: 01/16/12
Injection Time: 09:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	4547	16.4		Pass
75	30.0 - 60.0% of mass 95	12284	44.3		Pass
95	Base peak, 100% relative abundance	27739	100.0		Pass
96	5.0 - 9.0% of mass 95	1896	6.84		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	23277	83.9		Pass
175	5.0 - 9.0% of mass 174	1745	6.29	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	22536	81.2	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1548	5.58	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D872-IC872	4D19733.D	01/16/12	10:04	00:45	Initial cal 0.5
V4D872-IC872	4D19734.D	01/16/12	10:34	01:15	Initial cal 1
V4D872-IC872	4D19735.D	01/16/12	11:03	01:44	Initial cal 2
V4D872-IC872	4D19738.D	01/16/12	12:31	03:12	Initial cal 20
V4D872-IC872	4D19739.D	01/16/12	13:00	03:41	Initial cal 10
V4D872-IC872	4D19740.D	01/16/12	13:30	04:11	Initial cal 5
V4D872-ICC872	4D19741.D	01/16/12	13:59	04:40	Initial cal 50
V4D872-IC872	4D19742.D	01/16/12	14:28	05:09	Initial cal 100
V4D872-IC872	4D19743.D	01/16/12	14:58	05:39	Initial cal 200
V4D872-ICV872	4D19745.D	01/16/12	18:56	09:37	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V4D906-BFB
Lab File ID: 4D20336.D
Instrument ID: GCMS4D
Injection Date: 02/07/12
Injection Time: 21:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10996	18.6		Pass
75	30.0 - 60.0% of mass 95	27720	47.0		Pass
95	Base peak, 100% relative abundance	59024	100.0		Pass
96	5.0 - 9.0% of mass 95	3968	6.72		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	42224	71.5		Pass
175	5.0 - 9.0% of mass 174	3327	5.64	(7.88) [a]	Pass
176	95.0 - 101.0% of mass 174	41499	70.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2696	4.57	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D906-CC872	4D20337.D	02/07/12	22:05	00:29	Continuing cal 50
V4D906-MB	4D20339.D	02/07/12	23:04	01:28	Method Blank
V4D906-BS	4D20340.D	02/07/12	23:33	01:57	Blank Spike
JA98748-3MS	4D20341.D	02/08/12	00:02	02:26	Matrix Spike
JA98748-3MSD	4D20342.D	02/08/12	00:32	02:56	Matrix Spike Duplicate
ZZZZZZ	4D20344.D	02/08/12	01:31	03:55	(unrelated sample)
ZZZZZZ	4D20345.D	02/08/12	02:00	04:24	(unrelated sample)
JA98748-3	4D20346.D	02/08/12	02:29	04:53	(used for QC only; not part of job JA98556)
ZZZZZZ	4D20347.D	02/08/12	02:59	05:23	(unrelated sample)
ZZZZZZ	4D20348.D	02/08/12	03:28	05:52	(unrelated sample)
ZZZZZZ	4D20349.D	02/08/12	03:57	06:21	(unrelated sample)
ZZZZZZ	4D20350.D	02/08/12	04:27	06:51	(unrelated sample)
JA98556-1	4D20351.D	02/08/12	04:56	07:20	711 BRYANTS NURSERY
JA98556-4	4D20354.D	02/08/12	06:25	08:49	721 BRYANTS NURSERY
ZZZZZZ	4D20355.D	02/08/12	06:54	09:18	(unrelated sample)
ZZZZZZ	4D20356.D	02/08/12	07:23	09:47	(unrelated sample)
ZZZZZZ	4D20357.D	02/08/12	07:53	10:17	(unrelated sample)
ZZZZZZ	4D20358.D	02/08/12	08:22	10:46	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V4D908-BFB
Lab File ID: 4D20361.D
Instrument ID: GCMS4D
Injection Date: 02/08/12
Injection Time: 10:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8961	16.5		Pass
75	30.0 - 60.0% of mass 95	24019	44.2		Pass
95	Base peak, 100% relative abundance	54296	100.0		Pass
96	5.0 - 9.0% of mass 95	3583	6.60		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	42568	78.4		Pass
175	5.0 - 9.0% of mass 174	3188	5.87	(7.49) [a]	Pass
176	95.0 - 101.0% of mass 174	41280	76.0	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2713	5.00	(6.57) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D908-CC872	4D20362.D	02/08/12	11:08	00:24	Continuing cal 20
V4D908-MB	4D20364.D	02/08/12	12:07	01:23	Method Blank
V4D908-BS	4D20365.D	02/08/12	12:39	01:55	Blank Spike
ZZZZZZ	4D20366.D	02/08/12	13:11	02:27	(unrelated sample)
ZZZZZZ	4D20367.D	02/08/12	13:41	02:57	(unrelated sample)
JA98671-1	4D20368.D	02/08/12	14:10	03:26	(used for QC only; not part of job JA98556)
ZZZZZZ	4D20369.D	02/08/12	14:39	03:55	(unrelated sample)
ZZZZZZ	4D20370.D	02/08/12	15:09	04:25	(unrelated sample)
ZZZZZZ	4D20371.D	02/08/12	15:38	04:54	(unrelated sample)
JA98671-1MS	4D20372.D	02/08/12	16:07	05:23	Matrix Spike
JA98671-1MSD	4D20373.D	02/08/12	16:37	05:53	Matrix Spike Duplicate
ZZZZZZ	4D20374A.D	02/08/12	17:35	06:51	(unrelated sample)
JA98556-2	4D20375.D	02/08/12	18:05	07:21	710 BRYANTS NURSERY
JA98556-3	4D20376.D	02/08/12	18:34	07:50	720 BRYANTS NURSERY
ZZZZZZ	4D20377.D	02/08/12	19:03	08:19	(unrelated sample)
ZZZZZZ	4D20378.D	02/08/12	19:33	08:49	(unrelated sample)
ZZZZZZ	4D20379.D	02/08/12	20:02	09:18	(unrelated sample)
ZZZZZZ	4D20380.D	02/08/12	20:32	09:48	(unrelated sample)
ZZZZZZ	4D20381.D	02/08/12	21:01	10:17	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA98556
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98556-1	4D20351.D	92.0	107.0	88.0	89.0
JA98556-2	4D20375.D	83.0	85.0	84.0	84.0
JA98556-3	4D20376.D	84.0	86.0	84.0	83.0
JA98556-4	4D20354.D	92.0	108.0	91.0	89.0
JA98671-1MS	4D20372.D	85.0	90.0	87.0	87.0
JA98671-1MSD	4D20373.D	84.0	88.0	86.0	86.0
JA98748-3MS	4D20341.D	92.0	107.0	90.0	90.0
JA98748-3MSD	4D20342.D	92.0	108.0	91.0	91.0
V4D906-BS	4D20340.D	92.0	109.0	89.0	89.0
V4D906-MB	4D20339.D	92.0	108.0	89.0	89.0
V4D908-BS	4D20365.D	87.0	93.0	86.0	85.0
V4D908-MB	4D20364.D	87.0	91.0	86.0	85.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

Appendix D
Onsite and Offsite System Laboratory Analytical Reports

New Jersey
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01/24/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA96743

Sampling Date: 01/10/12

Report to:

URS Corporation
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Germantown, MD 20876
jenna_anthony@urscorp.com; adriane_rogers@urscorp.com

ATTN: Jenna Anthony

Total number of pages in report: **51**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA96743-1: OFFSITE INFLUENT 6
3.2: JA96743-2: OFFSITE MID-1 9
3.3: JA96743-3: OFFSITE-MID-2 12
3.4: JA96743-4: OFFSITE-MID-3 15
3.5: JA96743-5: OFFSITE-EFFLUENT 18
3.6: JA96743-6: ONSITE-INFLUENT 21
3.7: JA96743-7: ONSITE-MID 24
3.8: JA96743-8: ONSITE-EFFLUENT 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 35
5.3: Matrix Spike/Matrix Spike Duplicate Summary 36
5.4: Instrument Performance Checks (BFB) 37
5.5: Surrogate Recovery Summaries 39
Section 6: GC Volatiles - QC Data Summaries **40**
6.1: Method Blank Summary 41
6.2: Blank Spike Summary 44
6.3: Matrix Spike/Matrix Spike Duplicate Summary 45
6.4: Surrogate Recovery Summaries 46
Section 7: GC Semi-volatiles - QC Data Summaries **47**
7.1: Method Blank Summary 48
7.2: Blank Spike Summary 49
7.3: Matrix Spike/Matrix Spike Duplicate Summary 50
7.4: Surrogate Recovery Summaries 51

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA96743

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA96743-1	01/10/12	13:00	RS	01/11/12	AQ	Influent	OFFSITE INFLUENT
JA96743-2	01/10/12	12:45	RS	01/11/12	AQ	Ground Water	OFFSITE MID-1
JA96743-3	01/10/12	12:30	RS	01/11/12	AQ	Ground Water	OFFSITE-MID-2
JA96743-4	01/10/12	12:15	RS	01/11/12	AQ	Ground Water	OFFSITE-MID-3
JA96743-5	01/10/12	12:00	RS	01/11/12	AQ	Effluent	OFFSITE-EFFLUENT
JA96743-6	01/10/12	14:00	RS	01/11/12	AQ	Influent	ONSITE-INFLUENT
JA96743-7	01/10/12	13:45	RS	01/11/12	AQ	Ground Water	ONSITE-MID
JA96743-8	01/10/12	13:30	RS	01/11/12	AQ	Effluent	ONSITE-EFFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA96743
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	1/24/2012 10:49:12 A

On 01/11/2012, 8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA96743 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VC6077

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA96743-2MS, JA96743-2MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GUV3741

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA96765-3MS, JA96765-3MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP54177

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA96743-1MS, JA96743-1MSD were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	OFFSITE INFLUENT		
Lab Sample ID:	JA96743-1	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168745.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2	C168746.D	10	01/12/12	MAH	n/a	n/a	VC6077

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.6	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	0.36	1.0	0.17	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1230 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	88%	90%	70-127%
2037-26-5	Toluene-D8	102%	102%	79-120%
460-00-4	4-Bromofluorobenzene	114%	114%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE INFLUENT		
Lab Sample ID:	JA96743-1	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94656.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.43	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE INFLUENT		
Lab Sample ID:	JA96743-1	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y194.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		34-131%
16416-32-3	Tetracosane-d50	63%		15-119%
438-22-2	5a-Androstane	86%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE MID-1		
Lab Sample ID:	JA96743-2	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168743.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	50.8	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		77-120%
17060-07-0	1,2-Dichloroethane-D4	91%		70-127%
2037-26-5	Toluene-D8	104%		79-120%
460-00-4	4-Bromofluorobenzene	116%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE MID-1		
Lab Sample ID:	JA96743-2	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94652.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	84%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE MID-1		
Lab Sample ID:	JA96743-2	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y195.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		34-131%
16416-32-3	Tetracosane-d50	64%		15-119%
438-22-2	5a-Androstane	89%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-2		
Lab Sample ID:	JA96743-3	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168744.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2	C168749.D	10	01/12/12	MAH	n/a	n/a	VC6077

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	285 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	93%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	90%	70-127%
2037-26-5	Toluene-D8	103%	103%	79-120%
460-00-4	4-Bromofluorobenzene	114%	115%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-2		
Lab Sample ID:	JA96743-3	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94653.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.384	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-2		
Lab Sample ID:	JA96743-3	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y196.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		34-131%
16416-32-3	Tetracosane-d50	66%		15-119%
438-22-2	5a-Androstane	89%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-3		
Lab Sample ID:	JA96743-4	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168750.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.60	1.0	0.18	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-120%
17060-07-0	1,2-Dichloroethane-D4	91%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	114%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-3		
Lab Sample ID:	JA96743-4	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94654.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-MID-3		
Lab Sample ID:	JA96743-4	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y197.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		34-131%
16416-32-3	Tetracosane-d50	63%		15-119%
438-22-2	5a-Androstane	86%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-EFFLUENT		
Lab Sample ID:	JA96743-5	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168741.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	114%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-EFFLUENT		
Lab Sample ID:	JA96743-5	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94650.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	84%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OFFSITE-EFFLUENT		
Lab Sample ID:	JA96743-5	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y198.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		34-131%
16416-32-3	Tetracosane-d50	59%		15-119%
438-22-2	5a-Androstane	81%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-INFLUENT		
Lab Sample ID:	JA96743-6	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168751.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.6	1.0	0.22	ug/l	
108-88-3	Toluene	0.38	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	1.8	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	9.0	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	111%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-INFLUENT		
Lab Sample ID:	JA96743-6	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94657.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-INFLUENT		
Lab Sample ID:	JA96743-6	**Date Sampled:**	01/10/12
Matrix:	AQ - Influent	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y199.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		34-131%
16416-32-3	Tetracosane-d50	59%		15-119%
438-22-2	5a-Androstane	82%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-MID		
Lab Sample ID:	JA96743-7	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168752.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.2	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-120%
17060-07-0	1,2-Dichloroethane-D4	88%		70-127%
2037-26-5	Toluene-D8	102%		79-120%
460-00-4	4-Bromofluorobenzene	116%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-MID		
Lab Sample ID:	JA96743-7	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94655.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	85%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-MID		
Lab Sample ID:	JA96743-7	**Date Sampled:**	01/10/12
Matrix:	AQ - Ground Water	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y200.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		34-131%
16416-32-3	Tetracosane-d50	63%		15-119%
438-22-2	5a-Androstane	88%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-EFFLUENT		
Lab Sample ID:	JA96743-8	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C168742.D	1	01/12/12	MAH	n/a	n/a	VC6077
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-120%
17060-07-0	1,2-Dichloroethane-D4	90%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	116%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-EFFLUENT		
Lab Sample ID:	JA96743-8	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV94651.D	1	01/12/12	RP	n/a	n/a	GUV3741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ONSITE-EFFLUENT		
Lab Sample ID:	JA96743-8	**Date Sampled:**	01/10/12
Matrix:	AQ - Effluent	**Date Received:**	01/11/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y273.D	1	01/18/12	CS	01/12/12	OP54177	G5Y10
Run #2							

	Initial Volume	Final Volume
Run #1	10.0 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	10	0.35	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		34-131%
16416-32-3	Tetracosane-d50	59%		15-119%
438-22-2	5a-Androstane	81%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [x] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SO&CH
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

INCIDENT # (ENV SERVICES): 97436977

PO #:

SAP #: 137675

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 1-10-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

SITE ADDRESS: Street and City

State: MD

GLOBAL ID NO.:

ADDRESS: 12420 Milestone Center Drive, Suite 150, Germantown, MD 20876

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-820-3241

E-MAIL: Adriane.Rogers@urs.com

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Adriane Rogers

TELEPHONE: 301-820-3241

FAX: 301-820-3409

Bill To Contact E-MAIL: Adriane.Rogers@urs.com

SAMPLER NAME(S) (Print): Roderick Sample

CAB USE ONLY: JA96743

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] LIST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 3.0°C P; Cooler #2 5.0°C P; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-DRO (Method 8015)	TPH-GRO (Method 8015)	BTEX MTBE 8260	Container PID Readings or Laboratory Notes
-1	offsite Influent	1-10-12	13:00	GW	X					7	X	X	X	EX21, 21990
-2	offsite MID-1		12:45	GW	X					7	X	X	X	
-3	offsite MID-2		12:30	GW	X					7	X	X	X	
-4	offsite MID-3		12:15	GW	X					7	X	X	X	
-5	offsite Effluent		12:00	GW	X					7	X	X	X	
-6	onsite Influent		14:00	GW	X					7	X	X	X	
-7	onsite MID		13:45	GW	X					7	X	X	X	
-8	onsite Effluent		13:30	GW	X					7	X	X	X	
				GW	X					7	X	X	X	
				GW	X					6	X	X	X	

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

TRI 1/11/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fed Ex	Fed Ex		
Fed Ex	Mathews	1/11/12	0930

05/2/06 Revision

Seal #'s 182, 184 reciding tact Thr 1/11/12

KD-1/12/11-X

TRK #'s 8986 1142 0166 0122

2A

JA96743: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number JA96743 **Client:**

Date / Time Received: 1/11/2012 **Project:**

No. Coolers: 2 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA96743: Chain of Custody
Page 2 of 2

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC6077-MB	C168737.D	1	01/12/12	MAH	n/a	n/a	VC6077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	77-120%
17060-07-0	1,2-Dichloroethane-D4	90%	70-127%
2037-26-5	Toluene-D8	102%	79-120%
460-00-4	4-Bromofluorobenzene	116%	76-118%

Blank Spike Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC6077-BS	C168738.D	1	01/12/12	MAH	n/a	n/a	VC6077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.0	102	76-119
100-41-4	Ethylbenzene	50	53.2	106	77-119
1634-04-4	Methyl Tert Butyl Ether	50	46.4	93	72-125
108-88-3	Toluene	50	53.2	106	77-122
1330-20-7	Xylene (total)	150	157	105	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	70-127%
2037-26-5	Toluene-D8	102%	79-120%
460-00-4	4-Bromofluorobenzene	109%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA96743-2MS	C168747.D	1	01/12/12	MAH	n/a	n/a	VC6077
JA96743-2MSD	C168748.D	1	01/12/12	MAH	n/a	n/a	VC6077
JA96743-2	C168743.D	1	01/12/12	MAH	n/a	n/a	VC6077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	JA96743-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	37.1	74	35.6	71	4	40-139/12
100-41-4	Ethylbenzene	ND		50	40.3	81	39.8	80	1	40-140/12
1634-04-4	Methyl Tert Butyl Ether	50.8		50	90.5	79	87.3	73	4	54-136/12
108-88-3	Toluene	ND		50	38.8	78	37.8	76	3	47-140/12
1330-20-7	Xylene (total)	ND		150	126	84	123	82	2	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA96743-2	Limits
1868-53-7	Dibromofluoromethane	94%	94%	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	95%	91%	70-127%
2037-26-5	Toluene-D8	103%	103%	104%	79-120%
460-00-4	4-Bromofluorobenzene	109%	109%	116%	76-118%

Instrument Performance Check (BFB)

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VC6009-BFB
Lab File ID: C167156.D
Instrument ID: GCMSC
Injection Date: 11/29/11
Injection Time: 09:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	57640	22.7		Pass
75	30.0 - 60.0% of mass 95	131685	51.9		Pass
95	Base peak, 100% relative abundance	253653	100.0		Pass
96	5.0 - 9.0% of mass 95	16562	6.53		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	165077	65.1		Pass
175	5.0 - 9.0% of mass 174	9894	3.90	(5.99) [a]	Pass
176	95.0 - 101.0% of mass 174	161600	63.7	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	10926	4.31	(6.76) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC6009-IC6009	C167158.D	11/29/11	10:29	01:01	Initial cal 5
VC6009-IC6009	C167159.D	11/29/11	10:59	01:31	Initial cal 2
VC6009-IC6009	C167160.D	11/29/11	11:30	02:02	Initial cal 1
VC6009-IC6009	C167161.D	11/29/11	12:31	03:03	Initial cal 10
VC6009-IC6009	C167162.D	11/29/11	13:01	03:33	Initial cal 20
VC6009-ICC6009	C167163.D	11/29/11	13:32	04:04	Initial cal 50
VC6009-IC6009	C167164.D	11/29/11	14:02	04:34	Initial cal 100
VC6009-IC6009	C167165.D	11/29/11	14:33	05:05	Initial cal 200
VC6009-ICV6009	C167167.D	11/29/11	15:34	06:06	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VC6077-BFB
Lab File ID: C168734.D
Instrument ID: GCMSC
Injection Date: 01/12/12
Injection Time: 08:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28005	23.0		Pass
75	30.0 - 60.0% of mass 95	62568	51.3		Pass
95	Base peak, 100% relative abundance	121952	100.0		Pass
96	5.0 - 9.0% of mass 95	8058	6.61		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	84888	69.6		Pass
175	5.0 - 9.0% of mass 174	6794	5.57	(8.00) [a]	Pass
176	95.0 - 101.0% of mass 174	85698	70.3	(101.0) [a]	Pass
177	5.0 - 9.0% of mass 176	5708	4.68	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC6077-CC6009	C168735.D	01/12/12	08:56	00:32	Continuing cal 20
VC6077-MB	C168737.D	01/12/12	10:01	01:37	Method Blank
VC6077-BS	C168738.D	01/12/12	10:32	02:08	Blank Spike
ZZZZZZ	C168740.D	01/12/12	11:43	03:19	(unrelated sample)
JA96743-5	C168741.D	01/12/12	12:14	03:50	OFFSITE-EFFLUENT
JA96743-8	C168742.D	01/12/12	12:44	04:20	ONSITE-EFFLUENT
JA96743-2	C168743.D	01/12/12	13:15	04:51	OFFSITE MID-1
JA96743-3	C168744.D	01/12/12	13:45	05:21	OFFSITE-MID-2
JA96743-1	C168745.D	01/12/12	14:15	05:51	OFFSITE INFLUENT
JA96743-1	C168746.D	01/12/12	14:46	06:22	OFFSITE INFLUENT
JA96743-2MS	C168747.D	01/12/12	15:16	06:52	Matrix Spike
JA96743-2MSD	C168748.D	01/12/12	15:46	07:22	Matrix Spike Duplicate
JA96743-3	C168749.D	01/12/12	16:17	07:53	OFFSITE-MID-2
JA96743-4	C168750.D	01/12/12	16:47	08:23	OFFSITE-MID-3
JA96743-6	C168751.D	01/12/12	17:17	08:53	ONSITE-INFLUENT
JA96743-7	C168752.D	01/12/12	17:48	09:24	ONSITE-MID
ZZZZZZ	C168753.D	01/12/12	18:18	09:54	(unrelated sample)
ZZZZZZ	C168755.D	01/12/12	19:19	10:55	(unrelated sample)
ZZZZZZ	C168756.D	01/12/12	19:49	11:25	(unrelated sample)
ZZZZZZ	C168757.D	01/12/12	20:19	11:55	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA96743-1	C168746.D	94.0	90.0	102.0	114.0
JA96743-1	C168745.D	92.0	88.0	102.0	114.0
JA96743-2	C168743.D	95.0	91.0	104.0	116.0
JA96743-3	C168749.D	93.0	90.0	103.0	115.0
JA96743-3	C168744.D	93.0	89.0	103.0	114.0
JA96743-4	C168750.D	94.0	91.0	101.0	114.0
JA96743-5	C168741.D	93.0	89.0	102.0	114.0
JA96743-6	C168751.D	94.0	89.0	102.0	111.0
JA96743-7	C168752.D	94.0	88.0	102.0	116.0
JA96743-8	C168742.D	94.0	90.0	101.0	116.0
JA96743-2MS	C168747.D	94.0	93.0	103.0	109.0
JA96743-2MSD	C168748.D	94.0	95.0	103.0	109.0
VC6077-BS	C168738.D	93.0	94.0	102.0	109.0
VC6077-MB	C168737.D	93.0	90.0	102.0	116.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey

ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3741-MB3	UV94649.D	1	01/12/12	RP	n/a	n/a	GUV3741

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	84%	68-114%

Method Blank Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3741-MB1	UV94634.D	1	01/12/12	RP	n/a	n/a	GUV3741

The QC reported here applies to the following samples: **Method:** SW846 8015C

GUV3741-BS

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	83%	68-114%

Method Blank Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3741-MB2	UV94645.D	1	01/12/12	RP	n/a	n/a	GUV3741

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96765-3MS, JA96765-3MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	83%	68-114%

Blank Spike Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3741-BS	UV94635.D	1	01/12/12	RP	n/a	n/a	GUV3741

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.14	102	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	113%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA96765-3MS	UV94646.D	1	01/12/12	RP	n/a	n/a	GUV3741
JA96765-3MSD	UV94647.D	1	01/12/12	RP	n/a	n/a	GUV3741
JA96765-3	UV94637.D	1	01/12/12	RP	n/a	n/a	GUV3741

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	JA96765-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	6.16	77	6.23	78	1	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA96765-3	Limits
98-08-8	aaa-Trifluorotoluene	98%	101%	86%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA96743-1	UV94656.D	86.0
JA96743-2	UV94652.D	84.0
JA96743-3	UV94653.D	86.0
JA96743-4	UV94654.D	86.0
JA96743-5	UV94650.D	84.0
JA96743-6	UV94657.D	87.0
JA96743-7	UV94655.D	85.0
JA96743-8	UV94651.D	86.0
GUV3741-BS	UV94635.D	113.0
GUV3741-MB3	UV94649.D	84.0
JA96765-3MS	UV94646.D	98.0
JA96765-3MSD	UV94647.D	101.0
GUV3741-MB1	UV94634.D	83.0
GUV3741-MB2	UV94645.D	83.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54177-MB1	5Y181.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	34-131%
16416-32-3	Tetracosane-d50	70%	15-119%
438-22-2	5a-Androstane	97%	11-119%

Blank Spike Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54177-BS1	5Y182.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.659	66	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	75%	34-131%
16416-32-3	Tetracosane-d50	64%	15-119%
438-22-2	5a-Androstane	92%	11-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54177-MS	5Y183.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
OP54177-MSD	5Y184.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7
JA96743-1	5Y194.D	1	01/13/12	CS	01/12/12	OP54177	G5Y7

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA96743-1, JA96743-2, JA96743-3, JA96743-4, JA96743-5, JA96743-6, JA96743-7, JA96743-8

CAS No.	Compound	JA96743-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.22	1.68	76	1.66	75	1	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA96743-1	Limits
84-15-1	o-Terphenyl	78%	78%	72%	34-131%
16416-32-3	Tetracosane-d50	68%	66%	63%	15-119%
438-22-2	5a-Androstane	98%	96%	86%	11-119%

Semivolatile Surrogate Recovery Summary

Job Number: JA96743
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA96743-1	5Y194.D	72.0	63.0	86.0
JA96743-2	5Y195.D	77.0	64.0	89.0
JA96743-3	5Y196.D	75.0	66.0	89.0
JA96743-4	5Y197.D	72.0	63.0	86.0
JA96743-5	5Y198.D	68.0	59.0	81.0
JA96743-6	5Y199.D	67.0	59.0	82.0
JA96743-7	5Y200.D	74.0	63.0	88.0
JA96743-8	5Y273.D	67.0	59.0	81.0
OP54177-BS1	5Y182.D	75.0	64.0	92.0
OP54177-MB1	5Y181.D	80.0	70.0	97.0
OP54177-MS	5Y183.D	78.0	68.0	98.0
OP54177-MSD	5Y184.D	78.0	66.0	96.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1

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01/31/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA97913

Sampling Date: 01/25/12

Report to:

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Germantown, MD 20876
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ATTN: Jenna Anthony

Total number of pages in report: **60**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: JA97913-1: 137675 - OFFSITE - EFFLUENT 7
3.2: JA97913-2: 137675 - OFFSITE - MID3 10
3.3: JA97913-3: 137675 - OFFSITE - MID2 13
3.4: JA97913-4: 137675 - OFFSITE - MID1 16
3.5: JA97913-5: 137675 - OFFSITE - INFLUENT 19
3.6: JA97913-6: 137675 - ONSITE - EFFLUENT 22
3.7: JA97913-7: 137675 - ONSITE - MID 25
3.8: JA97913-8: 137675 - ONSITE - INFLUENT 28
Section 4: Misc. Forms **31**
4.1: Chain of Custody 32
Section 5: GC/MS Volatiles - QC Data Summaries **34**
5.1: Method Blank Summary 35
5.2: Blank Spike Summary 37
5.3: Matrix Spike/Matrix Spike Duplicate Summary 39
5.4: Instrument Performance Checks (BFB) 41
5.5: Surrogate Recovery Summaries 45
Section 6: GC Volatiles - QC Data Summaries **46**
6.1: Method Blank Summary 47
6.2: Blank Spike Summary 51
6.3: Matrix Spike/Matrix Spike Duplicate Summary 53
6.4: Surrogate Recovery Summaries 55
Section 7: GC Semi-volatiles - QC Data Summaries **56**
7.1: Method Blank Summary 57
7.2: Blank Spike Summary 58
7.3: Matrix Spike/Matrix Spike Duplicate Summary 59
7.4: Surrogate Recovery Summaries 60

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Sample Summary

Shell Oil Products US

Job No: JA97913

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA97913-1	01/25/12	11:30	RS	01/26/12	AQ	Effluent	137675 - OFFSITE - EFFLUENT
JA97913-2	01/25/12	11:35	RS	01/26/12	AQ	Ground Water	137675 - OFFSITE - MID3
JA97913-3	01/25/12	11:40	RS	01/26/12	AQ	Ground Water	137675 - OFFSITE - MID2
JA97913-4	01/25/12	11:45	RS	01/26/12	AQ	Ground Water	137675 - OFFSITE - MID1
JA97913-5	01/25/12	11:50	RS	01/26/12	AQ	Influent	137675 - OFFSITE - INFLUENT
JA97913-6	01/25/12	12:05	RS	01/26/12	AQ	Effluent	137675 - ONSITE - EFFLUENT
JA97913-7	01/25/12	12:10	RS	01/26/12	AQ	Ground Water	137675 - ONSITE - MID
JA97913-8	01/25/12	12:15	RS	01/26/12	AQ	Influent	137675 - ONSITE - INFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JA97913
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	1/31/2012 6:17:19 PM

On 01/26/2012, 8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA97913 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V4D886

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97913-2MS, JA97913-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VU7187

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA98001-1MS, JA98001-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GLM2088

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA97434-1MS, JA97434-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** GLM2089

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97913-2MS, JA97913-2MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP54491

- All samples were extracted within the recommended method holding time.
- Sample(s) JA97913-1MS, JA97913-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP54491-BS1 have surrogates outside control limits. Outside of in house control limits.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA97913-1	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20024.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	115%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	98%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA97913-1	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51775.D	1	01/28/12	XPL	n/a	n/a	GLM2088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	98%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA97913-1	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42460.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	850 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.12	0.0041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		34-131%
16416-32-3	Tetracosane-d50	116%		15-119%
438-22-2	5a-Androstane	93%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA97913-2	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20023.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		77-120%
17060-07-0	1,2-Dichloroethane-D4	113%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	99%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA97913-2	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51788.D	1	01/30/12	XPL	n/a	n/a	GLM2089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA97913-2	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42461.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	870 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		34-131%
16416-32-3	Tetracosane-d50	106%		15-119%
438-22-2	5a-Androstane	84%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA97913-3	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20029.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2	U154688.D	10	01/30/12	TDN	n/a	n/a	VU7187

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	352 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	95%	77-120%
17060-07-0	1,2-Dichloroethane-D4	113%	92%	70-127%
2037-26-5	Toluene-D8	99%	97%	79-120%
460-00-4	4-Bromofluorobenzene	99%	98%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA97913-3	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51797.D	1	01/30/12	XPL	n/a	n/a	GLM2089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.399	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA97913-3	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42462.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		34-131%
16416-32-3	Tetracosane-d50	115%		15-119%
438-22-2	5a-Androstane	89%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA97913-4	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20030.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2	U154694.D	10	01/30/12	TDN	n/a	n/a	VU7187

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	921 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	113%	95%	70-127%
2037-26-5	Toluene-D8	100%	97%	79-120%
460-00-4	4-Bromofluorobenzene	99%	99%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA97913-4	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51798.D	1	01/30/12	XPL	n/a	n/a	GLM2089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.784	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA97913-4	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42463.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		34-131%
16416-32-3	Tetracosane-d50	114%		15-119%
438-22-2	5a-Androstane	88%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA97913-5	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20034.D	2.5	01/26/12	TYG	n/a	n/a	V4D886
Run #2	4D20028.D	25	01/26/12	TYG	n/a	n/a	V4D886

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	7.0	2.5	0.55	ug/l	
108-88-3	Toluene	ND	2.5	0.36	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.53	ug/l	
1330-20-7	Xylene (total)	0.92	2.5	0.43	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	2640 [a]	25	4.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	99%	77-120%
17060-07-0	1,2-Dichloroethane-D4	115%	111%	70-127%
2037-26-5	Toluene-D8	100%	99%	79-120%
460-00-4	4-Bromofluorobenzene	100%	99%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA97913-5	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51800.D	1	01/30/12	XPL	n/a	n/a	GLM2089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.61	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA97913-5	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42464.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		34-131%
16416-32-3	Tetracosane-d50	117%		15-119%
438-22-2	5a-Androstane	89%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - EFFLUENT		
Lab Sample ID:	JA97913-6	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U154695.D	1	01/30/12	TDN	n/a	n/a	VU7187
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		77-120%
17060-07-0	1,2-Dichloroethane-D4	96%		70-127%
2037-26-5	Toluene-D8	98%		79-120%
460-00-4	4-Bromofluorobenzene	98%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - EFFLUENT		
Lab Sample ID:	JA97913-6	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51776.D	1	01/28/12	XPL	n/a	n/a	GLM2088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - EFFLUENT		
Lab Sample ID:	JA97913-6	**Date Sampled:**	01/25/12
Matrix:	AQ - Effluent	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42465.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		34-131%
16416-32-3	Tetracosane-d50	109%		15-119%
438-22-2	5a-Androstane	85%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - MID		
Lab Sample ID:	JA97913-7	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20032.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		77-120%
17060-07-0	1,2-Dichloroethane-D4	115%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	99%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - MID		
Lab Sample ID:	JA97913-7	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51799.D	1	01/30/12	XPL	n/a	n/a	GLM2089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - MID		
Lab Sample ID:	JA97913-7	**Date Sampled:**	01/25/12
Matrix:	AQ - Ground Water	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42466.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		34-131%
16416-32-3	Tetracosane-d50	117%		15-119%
438-22-2	5a-Androstane	92%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - INFLUENT		
Lab Sample ID:	JA97913-8	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D20033.D	1	01/26/12	TYG	n/a	n/a	V4D886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.4	1.0	0.22	ug/l	
108-88-3	Toluene	0.53	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	2.2	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	10.0	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.0	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	115%		70-127%
2037-26-5	Toluene-D8	98%		79-120%
460-00-4	4-Bromofluorobenzene	101%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - INFLUENT		
Lab Sample ID:	JA97913-8	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM51777.D	1	01/28/12	XPL	n/a	n/a	GLM2088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - ONSITE - INFLUENT		
Lab Sample ID:	JA97913-8	**Date Sampled:**	01/25/12
Matrix:	AQ - Influent	**Date Received:**	01/26/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42469.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		34-131%
16416-32-3	Tetracosane-d50	119%		15-119%
438-22-2	5a-Androstane	90%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION) GW

- ☐ XENCO
- ☐ Test America
- ☑ OTHER Accutest
  - ☑ Lab Vendor # 139251-7
- ☐ SPL

Lab Vendor # 139251-7

Shell Contact Information (Please Complete Form)

- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SO&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Project Manager's Name: Adriane Rogers

INCIDENT # (ENV SERVICES): 97438977 (137675)

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1-25-12

PAGE: 1 of 1

PO #:

SAP #: 137675

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780

FAX: 301-869-8726

E-Mail To Contact Name: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 9243 New Hampshire Ave, Avenue, Silver Spring

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-258-9780

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) PRINT: Roderick Sample

TURNAROUND TIME (CALENDAR DAYS): [redacted] (10 DAY) ☐ 5 DAYS ☒ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 4.0°C ✓ Cooler #2 2.0°C ✓ Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:

3 Day Turn around

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - (8015) GRO	TPH - (8015) DRO	BTEX, MTBE (8260B)	Container PID Readings or Laboratory Notes
137675 - Offsite - Effluent	1-25-12	11:30	GW	x					7	X	X	X	6X71
137675 - Offsite - Mid3		11:35	GW	x					7	X	X	X	821
137675 - Offsite - Mid2		11:40	GW	x					7	X	X	X	
137675 - Offsite - Mid1		11:45	GW	x					7	X	X	X	
137675 - Offsite - Influent		11:50	GW	x					7	X	X	X	
137675 - Onsite - Effluent		12:05	GW	x					7	X	X	X	
137675 - Onsite - Mid		12:10	GW	x					7	X	X	X	
137675 - Onsite - Influent		12:15	GW	x					7	X	X	X	

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE ✓

TM 1/26/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fed		
Fed		1/26/12	0930

06/2/08 Revision

MV-12/22/11-3

TRK # 5898611439782 4 9900

RA

TM

JA97913: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA97913 **Client:**

Date / Time Received: 1/26/2012 **Project:**

No. Coolers: 2 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:		
3. Cooler media:	Ice (Bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA97913: Chain of Custody
Page 2 of 2

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D886-MB	4D20019.D	1	01/26/12	TYG	n/a	n/a	V4D886

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-7, JA97913-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	77-120%
17060-07-0	1,2-Dichloroethane-D4	114%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	99%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7187-MB	U154686.D	1	01/30/12	TDN	n/a	n/a	VU7187

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-3, JA97913-4, JA97913-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	70-127%
2037-26-5	Toluene-D8	97%	79-120%
460-00-4	4-Bromofluorobenzene	99%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D886-BS	4D20020.D	1	01/26/12	TYG	n/a	n/a	V4D886

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-7, JA97913-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	44.3	89	76-119
100-41-4	Ethylbenzene	50	43.6	87	77-119
1634-04-4	Methyl Tert Butyl Ether	100	97.3	97	72-125
108-88-3	Toluene	50	44.3	89	77-122
1330-20-7	Xylene (total)	150	132	88	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	77-120%
17060-07-0	1,2-Dichloroethane-D4	112%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	102%	76-118%

Blank Spike Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU7187-BS	U154687.D	1	01/30/12	TDN	n/a	n/a	VU7187

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-3, JA97913-4, JA97913-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	46.0	92	76-119
100-41-4	Ethylbenzene	50	46.7	93	77-119
1634-04-4	Methyl Tert Butyl Ether	100	104	104	72-125
108-88-3	Toluene	50	48.6	97	77-122
1330-20-7	Xylene (total)	150	140	93	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	92%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA97913-2MS	4D20026.D	1	01/26/12	TYG	n/a	n/a	V4D886
JA97913-2MSD	4D20027.D	1	01/26/12	TYG	n/a	n/a	V4D886
JA97913-2	4D20023.D	1	01/26/12	TYG	n/a	n/a	V4D886

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-7, JA97913-8

CAS No.	Compound	JA97913-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	50.8	102	47.7	95	6	40-139/12
100-41-4	Ethylbenzene	ND		50	50.9	102	46.5	93	9	40-140/12
1634-04-4	Methyl Tert Butyl Ether	ND		50	57.8	116	57.1	114	1	54-136/12
108-88-3	Toluene	ND		50	51.8	104	48.1	96	7	47-140/12
1330-20-7	Xylene (total)	ND		150	156	104	144	96	8	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA97913-2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	101%	77-120%
17060-07-0	1,2-Dichloroethane-D4	113%	113%	113%	70-127%
2037-26-5	Toluene-D8	100%	101%	100%	79-120%
460-00-4	4-Bromofluorobenzene	104%	101%	99%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98001-1MS	U154696.D	1	01/30/12	TDN	n/a	n/a	VU7187
JA98001-1MSD	U154697.D	1	01/30/12	TDN	n/a	n/a	VU7187
JA98001-1	U154689.D	1	01/30/12	TDN	n/a	n/a	VU7187

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA97913-3, JA97913-4, JA97913-6

CAS No.	Compound	JA98001-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	49.2	98	48.2	96	2	40-139/12
100-41-4	Ethylbenzene	ND		50	49.0	98	47.9	96	2	40-140/12
1634-04-4	Methyl Tert Butyl Ether	9.6		50	66.4	114	66.2	113	0	54-136/12
108-88-3	Toluene	1.6		50	52.7	102	52.0	101	1	47-140/12
1330-20-7	Xylene (total)	ND		150	150	100	146	97	3	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98001-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	96%	77-120%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	94%	70-127%
2037-26-5	Toluene-D8	99%	99%	97%	79-120%
460-00-4	4-Bromofluorobenzene	92%	94%	98%	76-118%

Instrument Performance Check (BFB)

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V4D872-BFB
Lab File ID: 4D19732.D
Instrument ID: GCMS4D
Injection Date: 01/16/12
Injection Time: 09:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	4547	16.4		Pass
75	30.0 - 60.0% of mass 95	12284	44.3		Pass
95	Base peak, 100% relative abundance	27739	100.0		Pass
96	5.0 - 9.0% of mass 95	1896	6.84		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	23277	83.9		Pass
175	5.0 - 9.0% of mass 174	1745	6.29	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	22536	81.2	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1548	5.58	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D872-IC872	4D19733.D	01/16/12	10:04	00:45	Initial cal 0.5
V4D872-IC872	4D19734.D	01/16/12	10:34	01:15	Initial cal 1
V4D872-IC872	4D19735.D	01/16/12	11:03	01:44	Initial cal 2
V4D872-IC872	4D19738.D	01/16/12	12:31	03:12	Initial cal 20
V4D872-IC872	4D19739.D	01/16/12	13:00	03:41	Initial cal 10
V4D872-IC872	4D19740.D	01/16/12	13:30	04:11	Initial cal 5
V4D872-ICC872	4D19741.D	01/16/12	13:59	04:40	Initial cal 50
V4D872-IC872	4D19742.D	01/16/12	14:28	05:09	Initial cal 100
V4D872-IC872	4D19743.D	01/16/12	14:58	05:39	Initial cal 200
V4D872-ICV872	4D19745.D	01/16/12	18:56	09:37	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V4D886-BFB
Lab File ID: 4D20016.D
Instrument ID: GCMS4D
Injection Date: 01/26/12
Injection Time: 10:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	37213	18.3		Pass
75	30.0 - 60.0% of mass 95	95349	46.8		Pass
95	Base peak, 100% relative abundance	203904	100.0		Pass
96	5.0 - 9.0% of mass 95	13361	6.55		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	151189	74.1		Pass
175	5.0 - 9.0% of mass 174	11644	5.71	(7.70) [a]	Pass
176	95.0 - 101.0% of mass 174	146048	71.6	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9834	4.82	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D886-CC872	4D20017.D	01/26/12	11:18	00:23	Continuing cal 20
V4D886-MB	4D20019.D	01/26/12	12:22	01:27	Method Blank
V4D886-BS	4D20020.D	01/26/12	12:52	01:57	Blank Spike
ZZZZZZ	4D20022.D	01/26/12	14:11	03:16	(unrelated sample)
JA97913-2	4D20023.D	01/26/12	14:41	03:46	137675 - OFFSITE - MID3
JA97913-1	4D20024.D	01/26/12	15:10	04:15	137675 - OFFSITE - EFFLUENT
ZZZZZZ	4D20025.D	01/26/12	15:40	04:45	(unrelated sample)
JA97913-2MS	4D20026.D	01/26/12	16:09	05:14	Matrix Spike
JA97913-2MSD	4D20027.D	01/26/12	16:39	05:44	Matrix Spike Duplicate
JA97913-5	4D20028.D	01/26/12	17:09	06:14	137675 - OFFSITE - INFLUENT
JA97913-3	4D20029.D	01/26/12	17:38	06:43	137675 - OFFSITE - MID2
JA97913-4	4D20030.D	01/26/12	18:08	07:13	137675 - OFFSITE - MID1
JA97913-7	4D20032.D	01/26/12	19:07	08:12	137675 - ONSITE - MID
JA97913-8	4D20033.D	01/26/12	19:38	08:43	137675 - ONSITE - INFLUENT
JA97913-5	4D20034.D	01/26/12	20:07	09:12	137675 - OFFSITE - INFLUENT
ZZZZZZ	4D20035.D	01/26/12	20:37	09:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VU7144-BFB
Lab File ID: U153742.D
Instrument ID: GCMSU
Injection Date: 01/05/12
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26688	19.2		Pass
75	30.0 - 60.0% of mass 95	64589	46.4		Pass
95	Base peak, 100% relative abundance	139056	100.0		Pass
96	5.0 - 9.0% of mass 95	8908	6.41		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	150379	108.1		Pass
175	5.0 - 9.0% of mass 174	12005	8.63	(7.98) [a]	Pass
176	95.0 - 101.0% of mass 174	147840	106.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	9441	6.79	(6.39) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7144-IC7144	U153743.D	01/05/12	11:12	00:29	Initial cal 1
VU7144-IC7144	U153744.D	01/05/12	11:43	01:00	Initial cal 0.5
VU7144-IC7144	U153745.D	01/05/12	12:12	01:29	Initial cal 2
VU7144-IC7144	U153746.D	01/05/12	12:42	01:59	Initial cal 5
VU7144-IC7144	U153747.D	01/05/12	13:19	02:36	Initial cal 10
VU7144-IC7144	U153748.D	01/05/12	13:48	03:05	Initial cal 20
VU7144-ICC7144	U153749.D	01/05/12	14:17	03:34	Initial cal 50
VU7144-IC7144	U153750.D	01/05/12	14:46	04:03	Initial cal 100
VU7144-IC7144	U153751.D	01/05/12	15:16	04:33	Initial cal 200
VU7144-ICV7144	U153754.D	01/05/12	18:29	07:46	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VU7187-BFB
Lab File ID: U154683.D
Instrument ID: GCMSU
Injection Date: 01/30/12
Injection Time: 10:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29101	18.5		Pass
75	30.0 - 60.0% of mass 95	72648	46.1		Pass
95	Base peak, 100% relative abundance	157440	100.0		Pass
96	5.0 - 9.0% of mass 95	11242	7.14		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	174720	111.0		Pass
175	5.0 - 9.0% of mass 174	14223	9.03	(8.14) [a]	Pass
176	95.0 - 101.0% of mass 174	174891	111.1	(100.1) [a]	Pass
177	5.0 - 9.0% of mass 176	11471	7.29	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU7187-CC7144	U154684.D	01/30/12	10:56	00:45	Continuing cal 20
VU7187-MB	U154686.D	01/30/12	12:00	01:49	Method Blank
VU7187-BS	U154687.D	01/30/12	12:30	02:19	Blank Spike
JA97913-3	U154688.D	01/30/12	12:59	02:48	137675 - OFFSITE - MID2
JA98001-1	U154689.D	01/30/12	13:29	03:18	(used for QC only; not part of job JA97913)
ZZZZZZ	U154690.D	01/30/12	13:59	03:48	(unrelated sample)
ZZZZZZ	U154691.D	01/30/12	14:28	04:17	(unrelated sample)
ZZZZZZ	U154692.D	01/30/12	14:57	04:46	(unrelated sample)
ZZZZZZ	U154693.D	01/30/12	15:26	05:15	(unrelated sample)
JA97913-4	U154694.D	01/30/12	15:55	05:44	137675 - OFFSITE - MID1
JA97913-6	U154695.D	01/30/12	16:24	06:13	137675 - ONSITE - EFFLUENT
JA98001-1MS	U154696.D	01/30/12	16:54	06:43	Matrix Spike
JA98001-1MSD	U154697.D	01/30/12	17:22	07:11	Matrix Spike Duplicate
ZZZZZZ	U154699.D	01/30/12	18:21	08:10	(unrelated sample)
ZZZZZZ	U154700.D	01/30/12	18:51	08:40	(unrelated sample)
ZZZZZZ	U154701.D	01/30/12	19:20	09:09	(unrelated sample)
ZZZZZZ	U154702.D	01/30/12	19:49	09:38	(unrelated sample)
ZZZZZZ	U154703.D	01/30/12	20:18	10:07	(unrelated sample)
ZZZZZZ	U154704.D	01/30/12	20:47	10:36	(unrelated sample)
ZZZZZZ	U154705.D	01/30/12	21:16	11:05	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA97913-1	4D20024.D	102.0	115.0	100.0	98.0
JA97913-2	4D20023.D	101.0	113.0	100.0	99.0
JA97913-3	U154688.D	95.0	92.0	97.0	98.0
JA97913-3	4D20029.D	101.0	113.0	99.0	99.0
JA97913-4	U154694.D	97.0	95.0	97.0	99.0
JA97913-4	4D20030.D	101.0	113.0	100.0	99.0
JA97913-5	4D20034.D	102.0	115.0	100.0	100.0
JA97913-5	4D20028.D	99.0	111.0	99.0	99.0
JA97913-6	U154695.D	97.0	96.0	98.0	98.0
JA97913-7	4D20032.D	103.0	115.0	99.0	99.0
JA97913-8	4D20033.D	102.0	115.0	98.0	101.0
JA97913-2MS	4D20026.D	100.0	113.0	100.0	104.0
JA97913-2MSD	4D20027.D	100.0	113.0	101.0	101.0
JA98001-1MS	U154696.D	99.0	95.0	99.0	92.0
JA98001-1MSD	U154697.D	97.0	94.0	99.0	94.0
V4D886-BS	4D20020.D	101.0	112.0	100.0	102.0
V4D886-MB	4D20019.D	102.0	114.0	100.0	99.0
VU7187-BS	U154687.D	97.0	93.0	98.0	92.0
VU7187-MB	U154686.D	96.0	94.0	97.0	99.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2088-MB3	LM51771.D	1	01/27/12	XPL	n/a	n/a	GLM2088

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-6, JA97913-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	101%	68-114%

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2089-MB1	LM51785.D	1	01/30/12	XPL	n/a	n/a	GLM2089

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	99%	68-114%

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2089-MB2	LM51796.D	1	01/30/12	XPL	n/a	n/a	GLM2089

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-3, JA97913-4, JA97913-5, JA97913-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	72%	68-114%

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2088-MB1	LM51750.D	1	01/27/12	XPL	n/a	n/a	GLM2088

The QC reported here applies to the following samples: **Method:** SW846 8015C

GLM2088-BS, JA97434-1MS, JA97434-1MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	68-114%

Blank Spike Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2088-BS	LM51751.D	1	01/27/12	XPL	n/a	n/a	GLM2088

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-6, JA97913-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.73	109	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Blank Spike Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2089-BS	LM51787.D	1	01/30/12	XPL	n/a	n/a	GLM2089

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.38	105	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	114%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA97434-1MS	LM51758.D	1	01/27/12	XPL	n/a	n/a	GLM2088
JA97434-1MSD	LM51759.D	1	01/27/12	XPL	n/a	n/a	GLM2088
JA97434-1	LM51753.D	1	01/27/12	XPL	n/a	n/a	GLM2088

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-6, JA97913-8

CAS No.	Compound	JA97434-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.207		8	8.70	106	8.59	105	1	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA97434-1	Limits
98-08-8	aaa-Trifluorotoluene	111%	107%	99%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA97913-2MS	LM51793.D	1	01/30/12	XPL	n/a	n/a	GLM2089
JA97913-2MSD	LM51794.D	1	01/30/12	XPL	n/a	n/a	GLM2089
JA97913-2	LM51788.D	1	01/30/12	XPL	n/a	n/a	GLM2089

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-7

CAS No.	Compound	JA97913-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	8.71	109	8.92	112	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA97913-2	Limits
98-08-8	aaa-Trifluorotoluene	112%	114%	99%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA97913-1	LM51775.D	98.0
JA97913-2	LM51788.D	99.0
JA97913-3	LM51797.D	93.0
JA97913-4	LM51798.D	92.0
JA97913-5	LM51800.D	88.0
JA97913-6	LM51776.D	99.0
JA97913-7	LM51799.D	87.0
JA97913-8	LM51777.D	97.0
GLM2088-BS	LM51751.D	112.0
GLM2088-MB3	LM51771.D	101.0
GLM2089-BS	LM51787.D	114.0
GLM2089-MB1	LM51785.D	99.0
GLM2089-MB2	LM51796.D	72.0
JA97434-1MS	LM51758.D	111.0
JA97434-1MSD	LM51759.D	107.0
JA97913-2MS	LM51793.D	112.0
JA97913-2MSD	LM51794.D	114.0
GLM2088-MB1	LM51750.D	97.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54491-MB1	2Y42458.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-6, JA97913-7, JA97913-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	34-131%
16416-32-3	Tetracosane-d50	112%	15-119%
438-22-2	5a-Androstane	90%	11-119%

Blank Spike Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54491-BS1	2Y42459.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-6, JA97913-7, JA97913-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.799	80	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	34-131%
16416-32-3	Tetracosane-d50	127%* [a]	15-119%
438-22-2	5a-Androstane	102%	11-119%

(a) Outside of in house control limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54491-MS	2Y42491.D	1	01/31/12	CS	01/27/12	OP54491	G2Y1768
OP54491-MSD	2Y42492.D	1	01/31/12	CS	01/27/12	OP54491	G2Y1768
JA97913-1	2Y42460.D	1	01/30/12	CS	01/27/12	OP54491	G2Y1768

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA97913-1, JA97913-2, JA97913-3, JA97913-4, JA97913-5, JA97913-6, JA97913-7, JA97913-8

CAS No.	Compound	JA97913-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.17	1.69	78	1.57	72	7	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA97913-1	Limits
84-15-1	o-Terphenyl	93%	86%	91%	34-131%
16416-32-3	Tetracosane-d50	117%	109%	116%	15-119%
438-22-2	5a-Androstane	92%	86%	93%	11-119%

Semivolatile Surrogate Recovery Summary

Job Number: JA97913
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA97913-1	2Y42460.D	91.0	116.0	93.0
JA97913-2	2Y42461.D	81.0	106.0	84.0
JA97913-3	2Y42462.D	87.0	115.0	89.0
JA97913-4	2Y42463.D	85.0	114.0	88.0
JA97913-5	2Y42464.D	87.0	117.0	89.0
JA97913-6	2Y42465.D	83.0	109.0	85.0
JA97913-7	2Y42466.D	89.0	117.0	92.0
JA97913-8	2Y42469.D	89.0	119.0	90.0
OP54491-BS1	2Y42459.D	98.0	127.0* [b]	102.0
OP54491-MB1	2Y42458.D	88.0	112.0	90.0
OP54491-MS	2Y42491.D	93.0	117.0	92.0
OP54491-MSD	2Y42492.D	86.0	109.0	86.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1
(b) Outside of in house control limits.

New Jersey
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02/20/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JA98975

Sampling Date: 02/08/12

Report to:

URS Corporation
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Germantown, MD 20876
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ATTN: Jenna Anthony

Total number of pages in report: **42**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JA98975-1: 137675 - OFFSITE - EFFLUENT 6
3.2: JA98975-2: 137675 - OFFSITE - MID3 9
3.3: JA98975-3: 137675 - OFFSITE - MID2 12
3.4: JA98975-4: 137675 - OFFSITE - MID1 15
3.5: JA98975-5: 137675 - OFFSITE - INFLUENT 18
Section 4: Misc. Forms **21**
4.1: Chain of Custody 22
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 27
5.3: Matrix Spike/Matrix Spike Duplicate Summary 28
5.4: Instrument Performance Checks (BFB) 29
5.5: Surrogate Recovery Summaries 31
Section 6: GC Volatiles - QC Data Summaries **32**
6.1: Method Blank Summary 33
6.2: Blank Spike Summary 35
6.3: Matrix Spike/Matrix Spike Duplicate Summary 36
6.4: Surrogate Recovery Summaries 37
Section 7: GC Semi-volatiles - QC Data Summaries **38**
7.1: Method Blank Summary 39
7.2: Blank Spike Summary 40
7.3: Matrix Spike/Matrix Spike Duplicate Summary 41
7.4: Surrogate Recovery Summaries 42

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Sample Summary

Shell Oil Products US

Job No: JA98975

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA98975-1	02/08/12	10:00	RS	02/09/12	AQ	Effluent	137675 - OFFSITE - EFFLUENT
JA98975-2	02/08/12	10:05	RS	02/09/12	AQ	Ground Water	137675 - OFFSITE - MID3
JA98975-3	02/08/12	10:10	RS	02/09/12	AQ	Ground Water	137675 - OFFSITE - MID2
JA98975-4	02/08/12	10:15	RS	02/09/12	AQ	Ground Water	137675 - OFFSITE - MID1
JA98975-5	02/08/12	10:20	RS	02/09/12	AQ	Influent	137675 - OFFSITE - INFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No:**	JA98975
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	2/20/2012 8:55:49 AM

On 02/09/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98975 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V2A5103

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98975-2MS, JA98975-2MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GLM2097

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98545-7MS, JA98545-7MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP54790

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98975-1MS, JA98975-1MSD were used as the QC samples indicated.
- Sample(s) JA98975-1, JA98975-3 have surrogates outside control limits. Probable cause due to matrix interference.
- JA98975-3 for Tetracosane-d50: Outside of in house control limits.
- JA98975-1 for Tetracosane-d50: Outside of in house control limits.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA98975-1	**Date Sampled:**	02/08/12
Matrix:	AQ - Effluent	**Date Received:**	02/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A119554.D	1	02/10/12	CC	n/a	n/a	V2A5103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		77-120%
17060-07-0	1,2-Dichloroethane-D4	104%		70-127%
2037-26-5	Toluene-D8	111%		79-120%
460-00-4	4-Bromofluorobenzene	102%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA98975-1	**Date Sampled:**	02/08/12
Matrix:	AQ - Effluent	**Date Received:**	02/09/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52014.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JA98975-1	**Date Sampled:**	02/08/12
Matrix:	AQ - Effluent	**Date Received:**	02/09/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42823.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		34-131%
16416-32-3	Tetracosane-d50	120% [a]		15-119%
438-22-2	5a-Androstane	98%		11-119%

(a) Outside of in house control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA98975-2	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A119555.D	1	02/10/12	CC	n/a	n/a	V2A5103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.3	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		77-120%
17060-07-0	1,2-Dichloroethane-D4	104%		70-127%
2037-26-5	Toluene-D8	111%		79-120%
460-00-4	4-Bromofluorobenzene	102%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA98975-2	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52015.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JA98975-2	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42824.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779
Run #2							

	Initial Volume	Final Volume
Run #1	870 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		34-131%
16416-32-3	Tetracosane-d50	118%		15-119%
438-22-2	5a-Androstane	97%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA98975-3	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A119565.D	1	02/10/12	CC	n/a	n/a	V2A5103
Run #2	2A119566.D	10	02/10/12	CC	n/a	n/a	V2A5103

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	422 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	104%	77-120%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	70-127%
2037-26-5	Toluene-D8	112%	111%	79-120%
460-00-4	4-Bromofluorobenzene	102%	102%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA98975-3	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52016.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.521	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JA98975-3	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42825.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779
Run #2							

	Initial Volume	Final Volume
Run #1	935 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		34-131%
16416-32-3	Tetracosane-d50	125% [a]		15-119%
438-22-2	5a-Androstane	101%		11-119%

(a) Outside of in house control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA98975-4	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A119567.D	1	02/10/12	CC	n/a	n/a	V2A5103
Run #2	2A119568.D	10	02/10/12	CC	n/a	n/a	V2A5103

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	501 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	77-120%
17060-07-0	1,2-Dichloroethane-D4	104%	104%	70-127%
2037-26-5	Toluene-D8	112%	111%	79-120%
460-00-4	4-Bromofluorobenzene	102%	102%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA98975-4	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52017.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.632	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JA98975-4	**Date Sampled:**	02/08/12
Matrix:	AQ - Ground Water	**Date Received:**	02/09/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42826.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779
Run #2							

	Initial Volume	Final Volume
Run #1	875 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		34-131%
16416-32-3	Tetracosane-d50	116%		15-119%
438-22-2	5a-Androstane	94%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA98975-5	**Date Sampled:**	02/08/12
Matrix:	AQ - Influent	**Date Received:**	02/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A119569.D	2	02/10/12	CC	n/a	n/a	V2A5103
Run #2	2A119570.D	20	02/10/12	CC	n/a	n/a	V2A5103

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.6	2.0	0.44	ug/l	
108-88-3	Toluene	ND	2.0	0.29	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.42	ug/l	
1330-20-7	Xylene (total)	0.74	2.0	0.35	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	2120 [a]	20	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	70-127%
2037-26-5	Toluene-D8	112%	111%	79-120%
460-00-4	4-Bromofluorobenzene	102%	101%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA98975-5	**Date Sampled:**	02/08/12
Matrix:	AQ - Influent	**Date Received:**	02/09/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52018.D	1	02/10/12	RP	n/a	n/a	GLM2097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.08	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JA98975-5	**Date Sampled:**	02/08/12
Matrix:	AQ - Influent	**Date Received:**	02/09/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y42827.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		34-131%
16416-32-3	Tetracosane-d50	114%		15-119%
438-22-2	5a-Androstane	95%		11-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION) EV

☐ XENCO ( )
☐ Test America ( )
☑ OTHER ( )
☑ Lab Vendor # ( )
☐ SPL ( )

Lab Vendor #

Please Check Appropriate Box:

☑ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SO&CM	☐ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER	

Print Bill To Contact Name: Adriane Rogers

PO #: [redacted]

INCIDENT # (ENV SERVICES): 97436977 (137675

SAP #: 137675

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2-8-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780 FAX: 301-869-8728 Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 15541 New Hampshire Avenue, Silver Spring State: MD GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers PHONE NO.: 301-258-9780 E-MAIL: adriane_rogers@urscorp.com CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print): Roderick Sample

LAB USE ONLY: JA98975

TURNAROUND TIME (CALENDAR DAYS): ☐ STANDARD (14 DAY) ☐ 5 DAYS ☑ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 1.0°C Cooler #2 3.0°C Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - (8015) GRO	TPH - (8015) DRO	BTEX, MTBE (8260B)	Container PID Readings or Laboratory Notes
-1	137675 - Offsite - Effluent	2/8/12	10:00	GW	x					7	X	X	X	940 EXIT
-2	137675 - Offsite - Mid3		10:05	GW	x					7	X	X	X	
-3	137675 - Offsite - Mid2		10:10	GW	x					7	X	X	X	
-4	137675 - Offsite - Mid1		10:15	GW	x					7	X	X	X	
-5	137675 - Offsite - Influent		10:20	GW	x					7	X	X	X	
	137675 - Onsite - Effluent N/A		[redacted]	GW	x					7	X	X	X	
	137675 - Onsite - Mid N/A		[redacted]	GW	x					7	X	X	X	
	137675 - Onsite - Influent N/A		[redacted]	GW	x					7	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
FED EX	FED EX 8740-3036-4140 " " 4130	2-9-12	1000
FED EX		2-9-12	1520

SEAL # 64866 INTACT

05/2/06 Revision

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE 2-9-12

JA98975: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98975 **Client:** URS-MD **Immediate Client Services Action Required:** No

Date / Time Received: 2/9/2012 1000 **Delivery Method:** FedEx **Client Service Action Required at Login:** Yes

Project: 15541 NEW HAMPSHIRE AVE, SILVER **No. Coolers:** **Airbill #'s:**

Cooler Security

	Y	or N		Y	or N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature

	Y	or N
1. Temp criteria achieved:	☑	☐

2. Cooler temp verification: Bar Therm
3. Cooler media: Ice (bag)

Quality Control Preservation

	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation

	Y	or N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition

	Y	or N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☐	☑

3. Condition of sample: Broken / Leaking

Sample Integrity - Instructions

	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-1 2 OF 5 VO VIALS REC'D BROKEN

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98975: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA98975

CSR: Michelle **Response Date:** 2/9/2012

Response: Jenna Anthony notified, please proceed with no voa screen

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98975: Chain of Custody
Page 3 of 3

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A5103-MB	2A119551.D	1	02/10/12	CC	n/a	n/a	V2A5103

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	77-120%
17060-07-0	1,2-Dichloroethane-D4	103%	70-127%
2037-26-5	Toluene-D8	111%	79-120%
460-00-4	4-Bromofluorobenzene	104%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.89	22	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A5103-BS	2A119552.D	1	02/10/12	CC	n/a	n/a	V2A5103

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	49.4	99	76-119
100-41-4	Ethylbenzene	50	50.0	100	77-119
1634-04-4	Methyl Tert Butyl Ether	100	106	106	72-125
108-88-3	Toluene	50	50.3	101	77-122
1330-20-7	Xylene (total)	150	151	101	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	106%	70-127%
2037-26-5	Toluene-D8	112%	79-120%
460-00-4	4-Bromofluorobenzene	106%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98975-2MS	2A119557.D	1	02/10/12	CC	n/a	n/a	V2A5103
JA98975-2MSD	2A119558.D	1	02/10/12	CC	n/a	n/a	V2A5103
JA98975-2	2A119555.D	1	02/10/12	CC	n/a	n/a	V2A5103

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	JA98975-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	37.9	76	37.0	74	2	40-139/12
100-41-4	Ethylbenzene	ND		50	39.0	78	38.1	76	2	40-140/12
1634-04-4	Methyl Tert Butyl Ether	4.3		50	47.3	86	46.7	85	1	54-136/12
108-88-3	Toluene	ND		50	39.6	79	38.3	77	3	47-140/12
1330-20-7	Xylene (total)	ND		150	116	77	114	76	2	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA98975-2	Limits
1868-53-7	Dibromofluoromethane	108%	108%	105%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	104%	70-127%
2037-26-5	Toluene-D8	112%	112%	111%	79-120%
460-00-4	4-Bromofluorobenzene	107%	107%	102%	76-118%

Instrument Performance Check (BFB)

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V2A5090-BFB
Lab File ID: 2A119275.D
Instrument ID: GCMS2A
Injection Date: 02/02/12
Injection Time: 12:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12604	17.0		Pass
75	30.0 - 60.0% of mass 95	33349	44.9		Pass
95	Base peak, 100% relative abundance	74192	100.0		Pass
96	5.0 - 9.0% of mass 95	4963	6.69		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	69816	94.1		Pass
175	5.0 - 9.0% of mass 174	5498	7.41	(7.87) [a]	Pass
176	95.0 - 101.0% of mass 174	67405	90.9	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4630	6.24	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A5090-IC5090	2A119276.D	02/02/12	12:56	00:54	Initial cal 5
V2A5090-IC5090	2A119277.D	02/02/12	13:26	01:24	Initial cal 10
V2A5090-IC5090	2A119278.D	02/02/12	14:07	02:05	Initial cal 2
V2A5090-IC5090	2A119279.D	02/02/12	14:46	02:44	Initial cal 1
ZZZZZZ	2A119279.D	02/02/12	14:46	02:44	(unrelated sample)
V2A5090-IC5090	2A119280.D	02/02/12	15:15	03:13	Initial cal 0.5
ZZZZZZ	2A119280.D	02/02/12	15:15	03:13	(unrelated sample)
V2A5090-IC5090	2A119281.D	02/02/12	15:45	03:43	Initial cal 20
V2A5090-ICC5090	2A119282.D	02/02/12	16:15	04:13	Initial cal 50
V2A5090-IC5090	2A119283.D	02/02/12	16:44	04:42	Initial cal 100
V2A5090-IC5090	2A119284.D	02/02/12	17:14	05:12	Initial cal 200
V2A5090-ICV5090	2A119286.D	02/02/12	18:13	06:11	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V2A5103-BFB
Lab File ID: 2A119548.D
Instrument ID: GCMS2A
Injection Date: 02/10/12
Injection Time: 07:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11274	17.4		Pass
75	30.0 - 60.0% of mass 95	29309	45.3		Pass
95	Base peak, 100% relative abundance	64714	100.0		Pass
96	5.0 - 9.0% of mass 95	4429	6.84		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	59701	92.3		Pass
175	5.0 - 9.0% of mass 174	4746	7.33	(7.95) [a]	Pass
176	95.0 - 101.0% of mass 174	58400	90.2	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3866	5.97	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A5103-CC5090	2A119549.D	02/10/12	08:24	00:31	Continuing cal 20
V2A5103-MB	2A119551.D	02/10/12	09:33	01:40	Method Blank
V2A5103-BS	2A119552.D	02/10/12	10:39	02:46	Blank Spike
JA98975-1	2A119554.D	02/10/12	11:46	03:53	137675 - OFFSITE - EFFLUENT
JA98975-2	2A119555.D	02/10/12	12:16	04:23	137675 - OFFSITE - MID3
ZZZZZZ	2A119556.D	02/10/12	12:46	04:53	(unrelated sample)
JA98975-2MS	2A119557.D	02/10/12	13:15	05:22	Matrix Spike
JA98975-2MSD	2A119558.D	02/10/12	13:45	05:52	Matrix Spike Duplicate
ZZZZZZ	2A119560.D	02/10/12	14:44	06:51	(unrelated sample)
ZZZZZZ	2A119561.D	02/10/12	15:14	07:21	(unrelated sample)
ZZZZZZ	2A119562.D	02/10/12	15:44	07:51	(unrelated sample)
ZZZZZZ	2A119563.D	02/10/12	16:14	08:21	(unrelated sample)
ZZZZZZ	2A119564.D	02/10/12	16:44	08:51	(unrelated sample)
JA98975-3	2A119565.D	02/10/12	17:13	09:20	137675 - OFFSITE - MID2
JA98975-3	2A119566.D	02/10/12	17:43	09:50	137675 - OFFSITE - MID2
JA98975-4	2A119567.D	02/10/12	18:13	10:20	137675 - OFFSITE - MID1
JA98975-4	2A119568.D	02/10/12	18:42	10:49	137675 - OFFSITE - MID1
JA98975-5	2A119569.D	02/10/12	19:12	11:19	137675 - OFFSITE - INFLUENT
JA98975-5	2A119570.D	02/10/12	19:42	11:49	137675 - OFFSITE - INFLUENT

Volatile Surrogate Recovery Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA98975-1	2A119554.D	105.0	104.0	111.0	102.0
JA98975-2	2A119555.D	105.0	104.0	111.0	102.0
JA98975-3	2A119566.D	104.0	103.0	111.0	102.0
JA98975-3	2A119565.D	105.0	104.0	112.0	102.0
JA98975-4	2A119568.D	105.0	104.0	111.0	102.0
JA98975-4	2A119567.D	105.0	104.0	112.0	102.0
JA98975-5	2A119570.D	105.0	104.0	111.0	101.0
JA98975-5	2A119569.D	105.0	105.0	112.0	102.0
JA98975-2MS	2A119557.D	108.0	105.0	112.0	107.0
JA98975-2MSD	2A119558.D	108.0	105.0	112.0	107.0
V2A5103-BS	2A119552.D	108.0	106.0	112.0	106.0
V2A5103-MB	2A119551.D	105.0	103.0	111.0	104.0

Surrogate Compounds		Recovery Limits
S1 =	Dibromofluoromethane	77-120%
S2 =	1,2-Dichloroethane-D4	70-127%
S3 =	Toluene-D8	79-120%
S4 =	4-Bromofluorobenzene	76-118%

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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB2	LM52009.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-MB1	LM52001.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

GLM2097-BS, JA98545-7MS, JA98545-7MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	68-114%

Blank Spike Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2097-BS	LM52005.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	9.34	117	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	106%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA98545-7MS	LM52006.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7MSD	LM52007.D	1	02/10/12	RP	n/a	n/a	GLM2097
JA98545-7	LM52002.D	1	02/10/12	RP	n/a	n/a	GLM2097

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	JA98545-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.230		8	7.23	88	7.41	90	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JA98545-7	Limits
98-08-8	aaa-Trifluorotoluene	103%	104%	88%	68-114%

6.3.1

6

Volatile Surrogate Recovery Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JA98975-1	LM52014.D	89.0
JA98975-2	LM52015.D	88.0
JA98975-3	LM52016.D	88.0
JA98975-4	LM52017.D	87.0
JA98975-5	LM52018.D	89.0
GLM2097-BS	LM52005.D	106.0
GLM2097-MB2	LM52009.D	88.0
JA98545-7MS	LM52006.D	103.0
JA98545-7MSD	LM52007.D	104.0
GLM2097-MB1	LM52001.D	87.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54790-MB1	2Y42821.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	91%	34-131%
16416-32-3	Tetracosane-d50	103%	15-119%
438-22-2	5a-Androstane	88%	11-119%

Blank Spike Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54790-BS1	2Y42920.D	1	02/17/12	MJ	02/10/12	OP54790	G2Y1782

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.464	46	36-118

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	79%	34-131%
16416-32-3	Tetracosane-d50	103%	15-119%
438-22-2	5a-Androstane	82%	11-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP54790-MS	2Y42918.D	1	02/17/12	MJ	02/10/12	OP54790	G2Y1782
OP54790-MSD	2Y42919.D	1	02/17/12	MJ	02/10/12	OP54790	G2Y1782
JA98975-1	2Y42823.D	1	02/14/12	MJ	02/10/12	OP54790	G2Y1779

The QC reported here applies to the following samples: **Method:** SW846 8015C

JA98975-1, JA98975-2, JA98975-3, JA98975-4, JA98975-5

CAS No.	Compound	JA98975-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.27	1.81	80	1.77	78	2	10-132/38

CAS No.	Surrogate Recoveries	MS	MSD	JA98975-1	Limits
84-15-1	o-Terphenyl	90%	89%	95%	34-131%
16416-32-3	Tetracosane-d50	114%	109%	120%* [a]	15-119%
438-22-2	5a-Androstane	94%	89%	98%	11-119%

(a) Outside of in house control limits.

Semivolatile Surrogate Recovery Summary

Job Number: JA98975
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JA98975-1	2Y42823.D	95.0	120.0* [b]	98.0
JA98975-2	2Y42824.D	92.0	118.0	97.0
JA98975-3	2Y42825.D	96.0	125.0* [b]	101.0
JA98975-4	2Y42826.D	91.0	116.0	94.0
JA98975-5	2Y42827.D	94.0	114.0	95.0
OP54790-BS1	2Y42920.D	79.0	103.0	82.0
OP54790-MB1	2Y42821.D	91.0	103.0	88.0
OP54790-MS	2Y42918.D	90.0	114.0	94.0
OP54790-MSD	2Y42919.D	89.0	109.0	89.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	34-131%
S2 = Tetracosane-d50	15-119%
S3 = 5a-Androstane	11-119%

(a) Recovery from GC signal #1
(b) Outside of in house control limits.

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03/02/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JB229

Sampling Date: 02/24/12

Report to:

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Total number of pages in report: **45**

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Reza Tand
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JB229-1: 137675 - OFFSITE - EFFLUENT 6
3.2: JB229-2: 137675 - OFFSITE - MID3 9
3.3: JB229-3: 137675 - OFFSITE - MID2 12
3.4: JB229-4: 137675 - OFFSITE - MID1 15
3.5: JB229-5: 137675 - OFFSITE - INFLUENT 18
Section 4: Misc. Forms **21**
4.1: Chain of Custody 22
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 28
5.3: Matrix Spike/Matrix Spike Duplicate Summary 30
5.4: Instrument Performance Checks (BFB) 32
5.5: Surrogate Recovery Summaries 35
Section 6: GC Volatiles - QC Data Summaries **36**
6.1: Method Blank Summary 37
6.2: Blank Spike Summary 38
6.3: Matrix Spike/Matrix Spike Duplicate Summary 39
6.4: Surrogate Recovery Summaries 40
Section 7: GC Semi-volatiles - QC Data Summaries **41**
7.1: Method Blank Summary 42
7.2: Blank Spike Summary 43
7.3: Matrix Spike/Matrix Spike Duplicate Summary 44
7.4: Surrogate Recovery Summaries 45

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Sample Summary

Shell Oil Products US

Job No: JB229

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB229-1	02/24/12	11:15	RS	02/25/12	AQ	Effluent	137675 - OFFSITE - EFFLUENT
JB229-2	02/24/12	11:21	RS	02/25/12	AQ	Ground Water	137675 - OFFSITE - MID3
JB229-3	02/24/12	11:29	RS	02/25/12	AQ	Ground Water	137675 - OFFSITE - MID2
JB229-4	02/24/12	11:36	RS	02/25/12	AQ	Ground Water	137675 - OFFSITE - MID1
JB229-5	02/24/12	11:42	RS	02/25/12	AQ	Influent	137675 - OFFSITE - INFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JB229
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	3/2/2012 6:07:32 PM

On 02/25/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB229 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VS6435

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA99924-4MS, JA99924-4MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VS6437

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB134-4MS, JB134-4MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GUV3791

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB229-2MS, JB229-2MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP55141

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB229-1MS, JB229-1MSD were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB229-1	**Date Sampled:**	02/24/12
Matrix:	AQ - Effluent	**Date Received:**	02/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S157009.D	1	02/27/12	NT	n/a	n/a	VS6435
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		77-120%
17060-07-0	1,2-Dichloroethane-D4	100%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	107%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB229-1	**Date Sampled:**	02/24/12
Matrix:	AQ - Effluent	**Date Received:**	02/25/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95950.D	1	02/27/12	XPL	n/a	n/a	GUV3791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB229-1	**Date Sampled:**	02/24/12
Matrix:	AQ - Effluent	**Date Received:**	02/25/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z22145.D	1	02/29/12	MJ	02/27/12	OP55141	G2Z924
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		36-144%
16416-32-3	Tetracosane-d50	58%		32-138%
438-22-2	5a-Androstane	81%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB229-2	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S157010.D	1	02/27/12	NT	n/a	n/a	VS6435
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	41.1	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	100%		70-127%
2037-26-5	Toluene-D8	108%		79-120%
460-00-4	4-Bromofluorobenzene	108%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB229-2	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95951.D	1	02/27/12	XPL	n/a	n/a	GUV3791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB229-2	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z22085.D	1	02/28/12	MJ	02/27/12	OP55141	G2Z923
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		36-144%
16416-32-3	Tetracosane-d50	65%		32-138%
438-22-2	5a-Androstane	72%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB229-3	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S157011.D	1	02/27/12	NT	n/a	n/a	VS6435
Run #2	S157057.D	10	02/28/12	NT	n/a	n/a	VS6437

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	501 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	101%	98%	70-127%
2037-26-5	Toluene-D8	108%	110%	79-120%
460-00-4	4-Bromofluorobenzene	109%	109%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB229-3	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95952.D	1	02/27/12	XPL	n/a	n/a	GUV3791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.589	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB229-3	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z22086.D	1	02/28/12	MJ	02/27/12	OP55141	G2Z923
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		36-144%
16416-32-3	Tetracosane-d50	68%		32-138%
438-22-2	5a-Androstane	77%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB229-4	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S157012.D	1	02/27/12	NT	n/a	n/a	VS6435
Run #2	S157058.D	10	02/28/12	NT	n/a	n/a	VS6437

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	501 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	70-127%
2037-26-5	Toluene-D8	108%	109%	79-120%
460-00-4	4-Bromofluorobenzene	108%	111%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB229-4	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95953.D	1	02/27/12	XPL	n/a	n/a	GUV3791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.778	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB229-4	**Date Sampled:**	02/24/12
Matrix:	AQ - Ground Water	**Date Received:**	02/25/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z22087.D	1	02/28/12	MJ	02/27/12	OP55141	G2Z923
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		36-144%
16416-32-3	Tetracosane-d50	59%		32-138%
438-22-2	5a-Androstane	67%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB229-5	**Date Sampled:**	02/24/12
Matrix:	AQ - Influent	**Date Received:**	02/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S157013.D	10	02/27/12	NT	n/a	n/a	VS6435
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.5	10	2.2	ug/l	J
108-88-3	Toluene	ND	10	1.5	ug/l	
100-41-4	Ethylbenzene	ND	10	2.1	ug/l	
1330-20-7	Xylene (total)	ND	10	1.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1770	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	109%		79-120%
460-00-4	4-Bromofluorobenzene	108%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB229-5	**Date Sampled:**	02/24/12
Matrix:	AQ - Influent	**Date Received:**	02/25/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV95954.D	1	02/27/12	XPL	n/a	n/a	GUV3791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.20	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB229-5	**Date Sampled:**	02/24/12
Matrix:	AQ - Influent	**Date Received:**	02/25/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z22149.D	1	02/29/12	MJ	02/27/12	OP55141	G2Z924
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		36-144%
16416-32-3	Tetracosane-d50	57%		32-138%
438-22-2	5a-Androstane	75%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW EFF

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- [ ] XENCO ( )
- [ ] Test America ( )
- [x] OTHER ( )
  - [x] Lab Vendor # ( )
- [ ] SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 97436977 (137675

SAP # 137675

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 2-24-12

PAGE: 1 of 1

SAMPLE SUBMITTED BY COMPANY: URS CORPORATION

LOG CODE:

SITE ADDRESS: Street and City: 15541 New Hampshire Avenue, Silver Spring

State: MD

GLOBAL ID NO.:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-258-9780

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 137675

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SAMPLER NAME(S) (Print): Roderick Sample

LAB USE ONLY: JB229

TURNAROUND TIME (CALENDAR DAYS):
- [ ] STANDARD (14 DAY)
- [ ] 5 DAYS
- [x] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 4.0°C B; Cooler #2; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 4°C B

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - (8015) GRO	TPH - (8015) DRO	BTEX, MTBE (8260B)	Container PID Readings or Laboratory Notes
-1	137675 - Offsite - Effluent	2-24-12	11:15	GW	x					7	X	X	X	48F 22995
-2	137675 - Offsite - Mid3		11:21	GW	x					7	X	X	X	
-3	137675 - Offsite - Mid2		11:29	GW	x					7	X	X	X	
-4	137675 - Offsite - Mid1		11:36	GW	x					7	X	X	X	
-5	137675 - Offsite - Influent	2-24-12	11:42	GW	x					7	X	X	X	
-6	137675 - Onsite - Effluent		N/A	GW	x					7	X	X	X	
-7	137675 - Onsite - Mid		N/A	GW	x					7	X	X	X	
-8	137675 - Onsite - Influent		N/A	GW	x					7	X	X	X	

ALL SAMPLES RECEIVED PRESERVED AS APPLIED

TMS 2/25/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fed		
Fed		2/25/12	1000

03/21/06 Revision

MV-1/24/12-5 Seal #990
Trk# 8 7408086210 rec'd intact for 2 days

JB229: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB229 **Client:** URS - MD **Project:** # 137675

Date / Time Received: 2/25/2012 10:00 **Delivery Method:** FedEx **Airbill #'s:** 8740 8086 4210

Cooler Temps (Initial/Adjusted): #1: (4/4);

Cooler Security

	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature

	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:		
3. Cooler media:		
4. No, Coolers		

Quality Control Preservation

	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation

	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition

	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Broken / Leaking	

Sample Integrity - Instructions

	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☐	☑	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments -5 "OFF-SITE INFLUENT", 3 OF 5 VOC VIALS REC'D BROKEN

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB229: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB229

CSR: Michelle **Response Date:** 2/27/2012

Response: Jenna Anthony notifed, please proceed w/all analysis with no VOA Screen

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB229: Chain of Custody
Page 3 of 3

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6435-MB1	S156991.D	1	02/27/12	NT	n/a	n/a	VS6435

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	77-120%
17060-07-0	1,2-Dichloroethane-D4	102%	70-127%
2037-26-5	Toluene-D8	109%	79-120%
460-00-4	4-Bromofluorobenzene	107%	76-118%

Method Blank Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6437-MB1	S157050.D	1	02/28/12	NT	n/a	n/a	VS6437

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-3, JB229-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	100%	70-127%
2037-26-5	Toluene-D8	109%	79-120%
460-00-4	4-Bromofluorobenzene	110%	76-118%

Blank Spike Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6435-BS	S156992.D	1	02/27/12	NT	n/a	n/a	VS6435

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	49.5	99	76-119
100-41-4	Ethylbenzene	50	58.7	117	77-119
1634-04-4	Methyl Tert Butyl Ether	100	105	105	72-125
108-88-3	Toluene	50	54.4	109	77-122
1330-20-7	Xylene (total)	150	172	115	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	116%	77-120%
17060-07-0	1,2-Dichloroethane-D4	111%	70-127%
2037-26-5	Toluene-D8	107%	79-120%
460-00-4	4-Bromofluorobenzene	109%	76-118%

Blank Spike Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6437-BS	S157051.D	1	02/28/12	NT	n/a	n/a	VS6437

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-3, JB229-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	100	94.6	95	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	77-120%
17060-07-0	1,2-Dichloroethane-D4	107%	70-127%
2037-26-5	Toluene-D8	106%	79-120%
460-00-4	4-Bromofluorobenzene	112%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA99924-4MS	S157002.D	1	02/27/12	NT	n/a	n/a	VS6435
JA99924-4MSD	S157003.D	1	02/27/12	NT	n/a	n/a	VS6435
JA99924-4	S156998.D	1	02/27/12	NT	n/a	n/a	VS6435

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	JA99924-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.5		50	48.7	94	48.6	94	0	40-139/12
100-41-4	Ethylbenzene	0.56	J	50	52.1	103	51.8	102	1	40-140/12
1634-04-4	Methyl Tert Butyl Ether	ND		50	52.5	105	52.9	106	1	54-136/12
108-88-3	Toluene	2.5		50	53.7	102	54.0	103	1	47-140/12
1330-20-7	Xylene (total)	2.1		150	154	101	152	100	1	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA99924-4	Limits
1868-53-7	Dibromofluoromethane	109%	108%	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	99%	70-127%
2037-26-5	Toluene-D8	108%	108%	109%	79-120%
460-00-4	4-Bromofluorobenzene	102%	104%	106%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB134-4MS	S157070.D	10	02/28/12	NT	n/a	n/a	VS6437
JB134-4MSD	S157071.D	10	02/28/12	NT	n/a	n/a	VS6437
JB134-4	S157065.D	10	02/28/12	NT	n/a	n/a	VS6437

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB229-3, JB229-4

CAS No.	Compound	JB134-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	211		500	685	95	682	94	0	54-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB134-4	Limits
1868-53-7	Dibromofluoromethane	109%	109%	109%	77-120%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	99%	70-127%
2037-26-5	Toluene-D8	108%	108%	109%	79-120%
460-00-4	4-Bromofluorobenzene	105%	105%	105%	76-118%

Instrument Performance Check (BFB)

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6359-BFB
Lab File ID: S155157.D
Instrument ID: GCMSS
Injection Date: 01/13/12
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7170	15.6		Pass
75	30.0 - 60.0% of mass 95	19917	43.3		Pass
95	Base peak, 100% relative abundance	45955	100.0		Pass
96	5.0 - 9.0% of mass 95	3212	6.99		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	45541	99.1		Pass
175	5.0 - 9.0% of mass 174	3425	7.45	(7.52) [a]	Pass
176	95.0 - 101.0% of mass 174	44277	96.3	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2979	6.48	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6359-IC6359	S155158.D	01/13/12	12:02	00:25	Initial cal 0.5
VS6359-IC6359	S155159.D	01/13/12	12:26	00:49	Initial cal 1
VS6359-IC6359	S155160.D	01/13/12	12:49	01:12	Initial cal 2
VS6359-IC6359	S155161.D	01/13/12	13:12	01:35	Initial cal 5
VS6359-IC6359	S155162.D	01/13/12	13:36	01:59	Initial cal 20
VS6359-ICC6359	S155163.D	01/13/12	13:58	02:21	Initial cal 50
VS6359-IC6359	S155164.D	01/13/12	14:19	02:42	Initial cal 100
VS6359-IC6359	S155165.D	01/13/12	14:43	03:06	Initial cal 200
VS6359-ICV6359	S155168.D	01/13/12	15:48	04:11	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6435-BFB
Lab File ID: S156987.D
Instrument ID: GCMSS
Injection Date: 02/27/12
Injection Time: 08:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8869	16.7		Pass
75	30.0 - 60.0% of mass 95	23605	44.6		Pass
95	Base peak, 100% relative abundance	52984	100.0		Pass
96	5.0 - 9.0% of mass 95	3685	6.95		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	50699	95.7		Pass
175	5.0 - 9.0% of mass 174	3929	7.42	(7.75) [a]	Pass
176	95.0 - 101.0% of mass 174	49093	92.7	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3267	6.17	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6435-CC6359	S156989.D	02/27/12	09:35	01:05	Continuing cal 20
VS6435-MB1	S156991.D	02/27/12	10:23	01:53	Method Blank
VS6435-BS	S156992.D	02/27/12	10:44	02:14	Blank Spike
ZZZZZZ	S156994.D	02/27/12	11:37	03:07	(unrelated sample)
ZZZZZZ	S156996.D	02/27/12	12:20	03:50	(unrelated sample)
ZZZZZZ	S156997.D	02/27/12	12:41	04:11	(unrelated sample)
JA99924-4	S156998.D	02/27/12	13:03	04:33	(used for QC only; not part of job JB229)
ZZZZZZ	S156999.D	02/27/12	13:24	04:54	(unrelated sample)
ZZZZZZ	S157000.D	02/27/12	13:46	05:16	(unrelated sample)
JA99924-4MS	S157002.D	02/27/12	14:50	06:20	Matrix Spike
JA99924-4MSD	S157003.D	02/27/12	15:12	06:42	Matrix Spike Duplicate
ZZZZZZ	S157005.D	02/27/12	16:04	07:34	(unrelated sample)
ZZZZZZ	S157006.D	02/27/12	16:26	07:56	(unrelated sample)
ZZZZZZ	S157007.D	02/27/12	16:47	08:17	(unrelated sample)
ZZZZZZ	S157008.D	02/27/12	17:09	08:39	(unrelated sample)
JB229-1	S157009.D	02/27/12	17:30	09:00	137675 - OFFSITE - EFFLUENT
JB229-2	S157010.D	02/27/12	17:51	09:21	137675 - OFFSITE - MID3
JB229-3	S157011.D	02/27/12	18:13	09:43	137675 - OFFSITE - MID2
JB229-4	S157012.D	02/27/12	18:34	10:04	137675 - OFFSITE - MID1
JB229-5	S157013.D	02/27/12	18:55	10:25	137675 - OFFSITE - INFLUENT
ZZZZZZ	S157014.D	02/27/12	19:17	10:47	(unrelated sample)
ZZZZZZ	S157015.D	02/27/12	19:38	11:08	(unrelated sample)
ZZZZZZ	S157016.D	02/27/12	20:00	11:30	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6437-BFB
Lab File ID: S157047.D
Instrument ID: GCMSS
Injection Date: 02/28/12
Injection Time: 07:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6208	16.2		Pass
75	30.0 - 60.0% of mass 95	16607	43.3		Pass
95	Base peak, 100% relative abundance	38325	100.0		Pass
96	5.0 - 9.0% of mass 95	2563	6.69		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	37243	97.2		Pass
175	5.0 - 9.0% of mass 174	2887	7.53	(7.75) [a]	Pass
176	95.0 - 101.0% of mass 174	36565	95.4	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2519	6.57	(6.89) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6437-CC6359	S157048.D	02/28/12	07:25	00:21	Continuing cal 20
VS6437-MB1	S157050.D	02/28/12	08:08	01:04	Method Blank
VS6437-BS	S157051.D	02/28/12	08:29	01:25	Blank Spike
ZZZZZZ	S157053.D	02/28/12	09:24	02:20	(unrelated sample)
JB229-3	S157057.D	02/28/12	11:06	04:02	137675 - OFFSITE - MID2
JB229-4	S157058.D	02/28/12	11:28	04:24	137675 - OFFSITE - MID1
ZZZZZZ	S157059.D	02/28/12	11:49	04:45	(unrelated sample)
ZZZZZZ	S157060.D	02/28/12	12:10	05:06	(unrelated sample)
ZZZZZZ	S157061.D	02/28/12	12:32	05:28	(unrelated sample)
ZZZZZZ	S157062.D	02/28/12	12:53	05:49	(unrelated sample)
ZZZZZZ	S157063.D	02/28/12	13:15	06:11	(unrelated sample)
ZZZZZZ	S157064.D	02/28/12	13:36	06:32	(unrelated sample)
JB134-4	S157065.D	02/28/12	13:57	06:53	(used for QC only; not part of job JB229)
ZZZZZZ	S157066.D	02/28/12	14:19	07:15	(unrelated sample)
ZZZZZZ	S157067.D	02/28/12	14:41	07:37	(unrelated sample)
ZZZZZZ	S157068.D	02/28/12	15:02	07:58	(unrelated sample)
JB134-4MS	S157070.D	02/28/12	15:50	08:46	Matrix Spike
JB134-4MSD	S157071.D	02/28/12	16:11	09:07	Matrix Spike Duplicate
ZZZZZZ	S157074.D	02/28/12	17:15	10:11	(unrelated sample)
ZZZZZZ	S157075.D	02/28/12	17:37	10:33	(unrelated sample)
VS6438-BS	S157083.D	02/28/12	20:28	13:24	Blank Spike

Volatile Surrogate Recovery Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB229-1	S157009.D	107.0	100.0	108.0	107.0
JB229-2	S157010.D	108.0	100.0	108.0	108.0
JB229-3	S157057.D	107.0	98.0	110.0	109.0
JB229-3	S157011.D	108.0	101.0	108.0	109.0
JB229-4	S157058.D	108.0	98.0	109.0	111.0
JB229-4	S157012.D	109.0	100.0	108.0	108.0
JB229-5	S157013.D	109.0	99.0	109.0	108.0
JA99924-4MS	S157002.D	109.0	104.0	108.0	102.0
JA99924-4MSD	S157003.D	108.0	105.0	108.0	104.0
JB134-4MS	S157070.D	109.0	105.0	108.0	105.0
JB134-4MSD	S157071.D	109.0	104.0	108.0	105.0
VS6435-BS	S156992.D	116.0	111.0	107.0	109.0
VS6435-MB1	S156991.D	109.0	102.0	109.0	107.0
VS6437-BS	S157051.D	107.0	107.0	106.0	112.0
VS6437-MB1	S157050.D	108.0	100.0	109.0	110.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

New Jersey

ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3791-MB1	UV95947.D	1	02/27/12	XPL	n/a	n/a	GUV3791

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Blank Spike Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3791-BS	UV95948.D	1	02/27/12	XPL	n/a	n/a	GUV3791

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.19	102	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	113%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB229-2MS	UV95955.D	1	02/27/12	XPL	n/a	n/a	GUV3791
JB229-2MSD	UV95956.D	1	02/27/12	XPL	n/a	n/a	GUV3791
JB229-2	UV95951.D	1	02/27/12	XPL	n/a	n/a	GUV3791

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	JB229-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	7.63	95	7.44	93	3	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JB229-2	Limits
98-08-8	aaa-Trifluorotoluene	107%	106%	89%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JB229-1	UV95950.D	99.0
JB229-2	UV95951.D	89.0
JB229-3	UV95952.D	88.0
JB229-4	UV95953.D	89.0
JB229-5	UV95954.D	90.0
GUV3791-BS	UV95948.D	113.0
GUV3791-MB1	UV95947.D	88.0
JB229-2MS	UV95955.D	107.0
JB229-2MSD	UV95956.D	106.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55141-MB1	2Z22081.D	1	02/28/12	MJ	02/27/12	OP55141	G2Z923

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	66%	36-144%
16416-32-3	Tetracosane-d50	60%	32-138%
438-22-2	5a-Androstane	67%	31-136%

Blank Spike Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55141-BS1	2Z22082.D	1	02/28/12	MJ	02/27/12	OP55141	G2Z923

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.764	76	15-111

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	71%	36-144%
16416-32-3	Tetracosane-d50	65%	32-138%
438-22-2	5a-Androstane	70%	31-136%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55141-MS	2Z22191.D	1	03/01/12	MJ	02/27/12	OP55141	G2Z925
OP55141-MSD	2Z22192.D	1	03/01/12	MJ	02/27/12	OP55141	G2Z925
JB229-1	2Z22145.D	1	02/29/12	MJ	02/27/12	OP55141	G2Z924

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB229-1, JB229-2, JB229-3, JB229-4, JB229-5

CAS No.	Compound	JB229-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.27	1.93	85	1.97	87	2	23-160/31

CAS No.	Surrogate Recoveries	MS	MSD	JB229-1	Limits
84-15-1	o-Terphenyl	85%	85%	79%	36-144%
16416-32-3	Tetracosane-d50	76%	75%	58%	32-138%
438-22-2	5a-Androstane	85%	85%	81%	31-136%

Semivolatile Surrogate Recovery Summary

Job Number: JB229
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JB229-1	2Z22145.D	79.0	58.0	81.0
JB229-2	2Z22085.D	72.0	65.0	72.0
JB229-3	2Z22086.D	75.0	68.0	77.0
JB229-4	2Z22087.D	66.0	59.0	67.0
JB229-5	2Z22149.D	72.0	57.0	75.0
OP55141-BS1	2Z22082.D	71.0	65.0	70.0
OP55141-MB1	2Z22081.D	66.0	60.0	67.0
OP55141-MS	2Z22191.D	85.0	76.0	85.0
OP55141-MSD	2Z22192.D	85.0	75.0	85.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	36-144%
S2 = Tetracosane-d50	32-138%
S3 = 5a-Androstane	31-136%

(a) Recovery from GC signal #1

New Jersey
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03/27/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JB2153

Sampling Date: 03/20/12

Report to:

URS Corporation
12420 Milestone Center Drive Suite 150
Germantown, MD 20876
jenna_anthony@urscorp.com; adriane_rogers@urscorp.com

ATTN: Jenna Anthony

Total number of pages in report: **40**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Ioannidis
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: JB2153-1: 137675 - OFFSITE - EFFLUENT 6
3.2: JB2153-2: 137675 - OFFSITE - MID3 9
3.3: JB2153-3: 137675 - OFFSITE - MID2 12
3.4: JB2153-4: 137675 - OFFSITE - MID1 15
3.5: JB2153-5: 137675 - OFFSITE - INFLUENT 18
Section 4: Misc. Forms **21**
4.1: Chain of Custody 22
Section 5: GC/MS Volatiles - QC Data Summaries **24**
5.1: Method Blank Summary 25
5.2: Blank Spike Summary 26
5.3: Matrix Spike/Matrix Spike Duplicate Summary 27
5.4: Instrument Performance Checks (BFB) 28
5.5: Surrogate Recovery Summaries 30
Section 6: GC Volatiles - QC Data Summaries **31**
6.1: Method Blank Summary 32
6.2: Blank Spike Summary 33
6.3: Matrix Spike/Matrix Spike Duplicate Summary 34
6.4: Surrogate Recovery Summaries 35
Section 7: GC Semi-volatiles - QC Data Summaries **36**
7.1: Method Blank Summary 37
7.2: Blank Spike Summary 38
7.3: Matrix Spike/Matrix Spike Duplicate Summary 39
7.4: Surrogate Recovery Summaries 40

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JB2153

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB2153-1	03/20/12	10:30	RS	03/21/12	AQ	Effluent	137675 - OFFSITE - EFFLUENT
JB2153-2	03/20/12	10:35	RS	03/21/12	AQ	Ground Water	137675 - OFFSITE - MID3
JB2153-3	03/20/12	10:40	RS	03/21/12	AQ	Ground Water	137675 - OFFSITE - MID2
JB2153-4	03/20/12	10:45	RS	03/21/12	AQ	Ground Water	137675 - OFFSITE - MID1
JB2153-5	03/20/12	10:50	RS	03/21/12	AQ	Influent	137675 - OFFSITE - INFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JB2153
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	3/27/2012 6:30:10 PM

On 03/21/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB2153 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V3D3091

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB2153-1MS, JB2153-1MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GLM2115

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB2153-2MS, JB2153-2MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP55758

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB2153-1MS, JB2153-1MSD were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB2153-1	**Date Sampled:**	03/20/12
Matrix:	AQ - Effluent	**Date Received:**	03/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71484.D	1	03/26/12	MAH	n/a	n/a	V3D3091
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		77-120%
17060-07-0	1,2-Dichloroethane-D4	100%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	99%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB2153-1	**Date Sampled:**	03/20/12
Matrix:	AQ - Effluent	**Date Received:**	03/21/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52471.D	1	03/23/12	XPL	n/a	n/a	GLM2115
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB2153-1	**Date Sampled:**	03/20/12
Matrix:	AQ - Effluent	**Date Received:**	03/21/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y43727.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
Run #2							

	Initial Volume	Final Volume
Run #1	905 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		36-144%
16416-32-3	Tetracosane-d50	61%		32-138%
438-22-2	5a-Androstane	72%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB2153-2	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71485.D	1	03/26/12	MAH	n/a	n/a	V3D3091
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	101%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	100%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB2153-2	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52472.D	1	03/23/12	XPL	n/a	n/a	GLM2115
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB2153-2	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y43728.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
Run #2							

	Initial Volume	Final Volume
Run #1	905 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		36-144%
16416-32-3	Tetracosane-d50	62%		32-138%
438-22-2	5a-Androstane	73%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB2153-3	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71486.D	1	03/26/12	MAH	n/a	n/a	V3D3091
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	100%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	100%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB2153-3	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52473.D	1	03/23/12	XPL	n/a	n/a	GLM2115
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB2153-3	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y43729.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		36-144%
16416-32-3	Tetracosane-d50	59%		32-138%
438-22-2	5a-Androstane	70%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB2153-4	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71487.D	1	03/26/12	MAH	n/a	n/a	V3D3091
Run #2	3D71488.D	10	03/26/12	MAH	n/a	n/a	V3D3091

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	570 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	104%	77-120%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	70-127%
2037-26-5	Toluene-D8	96%	97%	79-120%
460-00-4	4-Bromofluorobenzene	100%	100%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB2153-4	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52474.D	1	03/23/12	XPL	n/a	n/a	GLM2115
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.703	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB2153-4	**Date Sampled:**	03/20/12
Matrix:	AQ - Ground Water	**Date Received:**	03/21/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y43730.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		36-144%
16416-32-3	Tetracosane-d50	62%		32-138%
438-22-2	5a-Androstane	70%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB2153-5	**Date Sampled:**	03/20/12
Matrix:	AQ - Influent	**Date Received:**	03/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71489.D	1	03/26/12	MAH	n/a	n/a	V3D3091
Run #2	3D71490.D	10	03/26/12	MAH	n/a	n/a	V3D3091

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.7	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	0.39	1.0	0.17	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1800 [a]	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	77-120%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	70-127%
2037-26-5	Toluene-D8	96%	97%	79-120%
460-00-4	4-Bromofluorobenzene	99%	100%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB2153-5	**Date Sampled:**	03/20/12
Matrix:	AQ - Influent	**Date Received:**	03/21/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM52475.D	1	03/23/12	XPL	n/a	n/a	GLM2115
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.14	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB2153-5	**Date Sampled:**	03/20/12
Matrix:	AQ - Influent	**Date Received:**	03/21/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y43731.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		36-144%
16416-32-3	Tetracosane-d50	58%		32-138%
438-22-2	5a-Androstane	66%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION) 62

☐ XENCO (_____)
☐ Test America (_____)
☑ OTHER (_____)
☑ Lab Vendor # (_____)
☐ SPL (_____)

Lab Vendor #

Please Check Appropriate Box:

☑ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SD&CM	☐ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER _____	

Print Bill To Contact Name:	INCIDENT # (ENV SERVICES)	☐ CHECK IF NO INCIDENT # APPLIES
Adriane Rogers	97436977 (137675	DATE: 3-20-12
PO #	SAP #	PAGE: 1 of 1
	137675	

SAMPLING COMPANY: URS CORPORATION — LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780 — FAX: 301-869-8728 — Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 15541 New Hampshire Avenue, Silver Spring — State: MD — GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers — PHONE NO.: 301-258-9780 — E-MAIL: adriane_rogers@urscorp.com — CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print): Roderick Sample — LAB USE ONLY: JB2153

TURNAROUND TIME (CALENDAR DAYS): ☐ STANDARD (14 DAY) ☐ 5 DAYS ☑ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS — ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° — Cooler #1 3.0°C — Cooler #2 — Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - (8015) GRO	TPH - (8015) DRO	BTEX, MTBE (8260B)	FIELD NOTES: Container PID Readings or Laboratory Notes
-1	137675 - Offsite - Effluent	3-20-12	10:30	GW	x					7	X	X	X	UTC31 464
-2	137675 - Offsite - Mid3		10:35	GW	x					7	X	X	X	
-3	137675 - Offsite - Mid2		10:40	GW	x					7	X	X	X	
-4	137675 - Offsite - Mid1		10:45	GW	x					7	X	X	X	
-5	137675 - Offsite - Influent	3-20-12	10:50	GW	x					7	X	X	X	
	137675 - Onsite - Effluent		N/A	GW	x					7	X	X	X	
	137675 - Onsite - Mid		N/A	GW	x					7	X	X	X	
	137675 - Onsite - Influent		N/A	GW	x					7	X	X	X	

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE
TAS 3/21/12

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fedx		
Fedx		3/21/12	1000

05/2006 Revision

Seal #394 rec'd intact TAS 3/21/12
KD-2/21/12-10
Trk # 8986 1143 1211

1A

TM

4.1

4

JB2153: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB2153 **Client:** **Project:**

Date / Time Received: 3/21/2012 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3/3); 0

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Bar Therm	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB2153: Chain of Custody
Page 2 of 2

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3091-MB1	3D71481.D	1	03/26/12	MAH	n/a	n/a	V3D3091

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	77-120%
17060-07-0	1,2-Dichloroethane-D4	101%	70-127%
2037-26-5	Toluene-D8	96%	79-120%
460-00-4	4-Bromofluorobenzene	100%	76-118%

Blank Spike Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3091-BS	3D71482.D	1	03/26/12	MAH	n/a	n/a	V3D3091

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	49.0	98	76-119
100-41-4	Ethylbenzene	50	51.6	103	77-119
1634-04-4	Methyl Tert Butyl Ether	100	96.4	96	72-125
108-88-3	Toluene	50	50.2	100	77-122
1330-20-7	Xylene (total)	150	155	103	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	77-120%
17060-07-0	1,2-Dichloroethane-D4	100%	70-127%
2037-26-5	Toluene-D8	97%	79-120%
460-00-4	4-Bromofluorobenzene	100%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB2153-1MS	3D71491.D	1	03/26/12	MAH	n/a	n/a	V3D3091
JB2153-1MSD	3D71492.D	1	03/26/12	MAH	n/a	n/a	V3D3091
JB2153-1	3D71484.D	1	03/26/12	MAH	n/a	n/a	V3D3091

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	JB2153-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	44.0	88	42.3	85	4	40-139/12
100-41-4	Ethylbenzene	ND		50	46.2	92	44.5	89	4	40-140/12
1634-04-4	Methyl Tert Butyl Ether	ND		50	46.5	93	45.3	91	3	54-136/12
108-88-3	Toluene	ND		50	45.8	92	44.0	88	4	47-140/12
1330-20-7	Xylene (total)	ND		150	141	94	136	91	4	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JB2153-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	100%	77-120%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	100%	70-127%
2037-26-5	Toluene-D8	98%	97%	96%	79-120%
460-00-4	4-Bromofluorobenzene	99%	100%	99%	76-118%

Instrument Performance Check (BFB)

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V3D3076-BFB
Lab File ID: 3D71157.D
Instrument ID: GCMS3D
Injection Date: 03/16/12
Injection Time: 08:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10962	17.4		Pass
75	30.0 - 60.0% of mass 95	28032	44.5		Pass
95	Base peak, 100% relative abundance	63048	100.0		Pass
96	5.0 - 9.0% of mass 95	4263	6.76		Pass
173	Less than 2.0% of mass 174	449	0.71	(0.78) [a]	Pass
174	50.0 - 120.0% of mass 95	57397	91.0		Pass
175	5.0 - 9.0% of mass 174	4201	6.66	(7.32) [a]	Pass
176	95.0 - 101.0% of mass 174	55123	87.4	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3664	5.81	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3076-IC3076	3D71158.D	03/16/12	09:06	00:34	Initial cal 5
V3D3076-IC3076	3D71159.D	03/16/12	09:47	01:15	Initial cal 2
V3D3076-IC3076	3D71160.D	03/16/12	10:17	01:45	Initial cal 1
ZZZZZZ	3D71160A.D	03/16/12	10:17	01:45	(unrelated sample)
V3D3076-IC3076	3D71161.D	03/16/12	10:45	02:13	Initial cal 0.5
ZZZZZZ	3D71161A.D	03/16/12	10:45	02:13	(unrelated sample)
V3D3076-IC3076	3D71162.D	03/16/12	11:13	02:41	Initial cal 10
V3D3076-IC3076	3D71163.D	03/16/12	11:46	03:14	Initial cal 20
V3D3076-ICC3076	3D71164.D	03/16/12	12:14	03:42	Initial cal 50
V3D3076-IC3076	3D71165.D	03/16/12	12:42	04:10	Initial cal 100
V3D3076-IC3076	3D71166.D	03/16/12	13:10	04:38	Initial cal 200
V3D3076-ICV3076	3D71170.D	03/16/12	15:26	06:54	Initial cal verification 50
V3D3076-ICV3076	3D71171.D	03/16/12	16:26	07:54	Initial cal verification 50
ZZZZZZ	3D71172.D	03/16/12	17:21	08:49	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V3D3091-BFB
Lab File ID: 3D71478.D
Instrument ID: GCMS3D
Injection Date: 03/26/12
Injection Time: 09:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10380	18.7		Pass
75	30.0 - 60.0% of mass 95	25224	45.5		Pass
95	Base peak, 100% relative abundance	55461	100.0		Pass
96	5.0 - 9.0% of mass 95	3788	6.83		Pass
173	Less than 2.0% of mass 174	247	0.45	(0.54) [a]	Pass
174	50.0 - 120.0% of mass 95	45595	82.2		Pass
175	5.0 - 9.0% of mass 174	3362	6.06	(7.37) [a]	Pass
176	95.0 - 101.0% of mass 174	44544	80.3	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	2854	5.15	(6.41) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3091-CC3076	3D71479.D	03/26/12	10:30	00:43	Continuing cal 20
V3D3091-MB1	3D71481.D	03/26/12	11:48	02:01	Method Blank
V3D3091-BS	3D71482.D	03/26/12	12:16	02:29	Blank Spike
JB2153-1	3D71484.D	03/26/12	13:55	04:08	137675 - OFFSITE - EFFLUENT
JB2153-2	3D71485.D	03/26/12	14:23	04:36	137675 - OFFSITE - MID3
JB2153-3	3D71486.D	03/26/12	14:51	05:04	137675 - OFFSITE - MID2
JB2153-4	3D71487.D	03/26/12	15:20	05:33	137675 - OFFSITE - MID1
JB2153-4	3D71488.D	03/26/12	15:48	06:01	137675 - OFFSITE - MID1
JB2153-5	3D71489.D	03/26/12	16:16	06:29	137675 - OFFSITE - INFLUENT
JB2153-5	3D71490.D	03/26/12	16:44	06:57	137675 - OFFSITE - INFLUENT
JB2153-1MS	3D71491.D	03/26/12	17:12	07:25	Matrix Spike
JB2153-1MSD	3D71492.D	03/26/12	17:40	07:53	Matrix Spike Duplicate
ZZZZZZ	3D71494.D	03/26/12	18:35	08:48	(unrelated sample)
ZZZZZZ	3D71495.D	03/26/12	19:03	09:16	(unrelated sample)
ZZZZZZ	3D71496.D	03/26/12	19:31	09:44	(unrelated sample)
ZZZZZZ	3D71497.D	03/26/12	19:59	10:12	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB2153-1	3D71484.D	100.0	100.0	96.0	99.0
JB2153-2	3D71485.D	102.0	101.0	96.0	100.0
JB2153-3	3D71486.D	102.0	100.0	96.0	100.0
JB2153-4	3D71488.D	104.0	102.0	97.0	100.0
JB2153-4	3D71487.D	104.0	103.0	96.0	100.0
JB2153-5	3D71490.D	103.0	102.0	97.0	100.0
JB2153-5	3D71489.D	103.0	103.0	96.0	99.0
JB2153-1MS	3D71491.D	104.0	102.0	98.0	99.0
JB2153-1MSD	3D71492.D	103.0	102.0	97.0	100.0
V3D3091-BS	3D71482.D	103.0	100.0	97.0	100.0
V3D3091-MB1	3D71481.D	102.0	101.0	96.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2115-MB1	LM52469.D	1	03/23/12	XPL	n/a	n/a	GLM2115

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	68-114%

Blank Spike Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLM2115-BS	LM52478.D	1	03/23/12	XPL	n/a	n/a	GLM2115

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.76	110	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB2153-2MS	LM52476.D	1	03/23/12	XPL	n/a	n/a	GLM2115
JB2153-2MSD	LM52477.D	1	03/23/12	XPL	n/a	n/a	GLM2115
JB2153-2	LM52472.D	1	03/23/12	XPL	n/a	n/a	GLM2115

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	JB2153-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	8.68	109	8.44	106	3	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JB2153-2	Limits
98-08-8	aaa-Trifluorotoluene	111%	110%	96%	68-114%

Volatile Surrogate Recovery Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JB2153-1	LM52471.D	97.0
JB2153-2	LM52472.D	96.0
JB2153-3	LM52473.D	97.0
JB2153-4	LM52474.D	96.0
JB2153-5	LM52475.D	99.0
GLM2115-BS	LM52478.D	112.0
GLM2115-MB1	LM52469.D	97.0
JB2153-2MS	LM52476.D	111.0
JB2153-2MSD	LM52477.D	110.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55758-MB1	2Y43725.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	75%	36-144%
16416-32-3	Tetracosane-d50	60%	32-138%
438-22-2	5a-Androstane	70%	31-136%

Blank Spike Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55758-BS1	2Y43726.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.891	89	15-111

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	36-144%
16416-32-3	Tetracosane-d50	69%	32-138%
438-22-2	5a-Androstane	77%	31-136%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55758-MS	2Y43733.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
OP55758-MSD	2Y43734.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806
JB2153-1	2Y43727.D	1	03/23/12	CS	03/22/12	OP55758	G2Y1806

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB2153-1, JB2153-2, JB2153-3, JB2153-4, JB2153-5

CAS No.	Compound	JB2153-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.25	1.95	87	1.93	86	1	23-160/31

CAS No.	Surrogate Recoveries	MS	MSD	JB2153-1	Limits
84-15-1	o-Terphenyl	81%	80%	76%	36-144%
16416-32-3	Tetracosane-d50	68%	68%	61%	32-138%
438-22-2	5a-Androstane	75%	75%	72%	31-136%

Semivolatile Surrogate Recovery Summary

Job Number: JB2153
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JB2153-1	2Y43727.D	76.0	61.0	72.0
JB2153-2	2Y43728.D	76.0	62.0	73.0
JB2153-3	2Y43729.D	73.0	59.0	70.0
JB2153-4	2Y43730.D	75.0	62.0	70.0
JB2153-5	2Y43731.D	70.0	58.0	66.0
OP55758-BS1	2Y43726.D	85.0	69.0	77.0
OP55758-MB1	2Y43725.D	75.0	60.0	70.0
OP55758-MS	2Y43733.D	81.0	68.0	75.0
OP55758-MSD	2Y43734.D	80.0	68.0	75.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	36-144%
S2 = Tetracosane-d50	32-138%
S3 = 5a-Androstane	31-136%

(a) Recovery from GC signal #1

New Jersey
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04/06/12

Technical Report for

Shell Oil Products US

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

INC#97436977

Accutest Job Number: JB3082

Sampling Date: 03/30/12

Report to:

URS Corporation
12420 Milestone Center Drive Suite 150
Germantown, MD 20876
jenna_anthony@urscorp.com; adriane_rogers@urscorp.com

ATTN: Jenna Anthony

Total number of pages in report: **52**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Ioannidis
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: JB3082-1: 137675 - OFFSITE - EFFLUENT 7
3.2: JB3082-2: 137675 - OFFSITE - MID3 10
3.3: JB3082-3: 137675 - OFFSITE - MID2 13
3.4: JB3082-4: 137675 - OFFSITE - MID1 16
3.5: JB3082-5: 137675 - OFFSITE - INFLUENT 19
Section 4: Misc. Forms **22**
4.1: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **26**
5.1: Method Blank Summary 27
5.2: Blank Spike Summary 29
5.3: Matrix Spike/Matrix Spike Duplicate Summary 31
5.4: Instrument Performance Checks (BFB) 33
5.5: Surrogate Recovery Summaries 37
Section 6: GC Volatiles - QC Data Summaries **38**
6.1: Method Blank Summary 39
6.2: Blank Spike Summary 43
6.3: Matrix Spike/Matrix Spike Duplicate Summary 45
6.4: Surrogate Recovery Summaries 47
Section 7: GC Semi-volatiles - QC Data Summaries **48**
7.1: Method Blank Summary 49
7.2: Blank Spike Summary 50
7.3: Matrix Spike/Matrix Spike Duplicate Summary 51
7.4: Surrogate Recovery Summaries 52

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JB3082

URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD
Project No: INC#97436977

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB3082-1	03/30/12	12:45	RS	03/31/12	AQ	Effluent	137675 - OFFSITE - EFFLUENT
JB3082-2	03/30/12	12:50	RS	03/31/12	AQ	Ground Water	137675 - OFFSITE - MID3
JB3082-3	03/30/12	12:55	RS	03/31/12	AQ	Ground Water	137675 - OFFSITE - MID2
JB3082-4	03/30/12	13:00	RS	03/31/12	AQ	Ground Water	137675 - OFFSITE - MID1
JB3082-5	03/30/12	13:05	RS	03/31/12	AQ	Influent	137675 - OFFSITE - INFLUENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shell Oil Products US	**Job No**	JB3082
Site:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Sprin	**Report Date**	4/6/2012 1:09:15 PM

On 03/31/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB3082 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V3D3107

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB3077-1MS, JB3077-1MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VS6499

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB3082-5MS, JB3082-5MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Methyl Tert Butyl Ether are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Volatiles by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** GUV3833

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB3083-7MS, JB3083-7MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GUV3834

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB3082-2MS, JB3082-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB3082-2MS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015C

Matrix: AQ **Batch ID:** OP55983

- All samples were extracted within the recommended method holding time.
- Sample(s) JB3082-1MS, JB3082-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB3082-1	**Date Sampled:**	03/30/12
Matrix:	AQ - Effluent	**Date Received:**	03/31/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71834.D	1	04/03/12	NT	n/a	n/a	V3D3107
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	116%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	107%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB3082-1	**Date Sampled:**	03/30/12
Matrix:	AQ - Effluent	**Date Received:**	03/31/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV97156.D	1	04/02/12	XPL	n/a	n/a	GUV3833
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - EFFLUENT		
Lab Sample ID:	JB3082-1	**Date Sampled:**	03/30/12
Matrix:	AQ - Effluent	**Date Received:**	03/31/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y2087.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		36-144%
16416-32-3	Tetracosane-d50	82%		32-138%
438-22-2	5a-Androstane	108%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB3082-2	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D71835.D	1	04/03/12	NT	n/a	n/a	V3D3107
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		77-120%
17060-07-0	1,2-Dichloroethane-D4	117%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	106%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB3082-2	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV97168.D	1	04/03/12	XPL	n/a	n/a	GUV3834
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID3		
Lab Sample ID:	JB3082-2	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y2088.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		36-144%
16416-32-3	Tetracosane-d50	82%		32-138%
438-22-2	5a-Androstane	105%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB3082-3	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S158637.D	1	04/05/12	NT	n/a	n/a	VS6499
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		77-120%
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	98%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB3082-3	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV97169.D	1	04/03/12	XPL	n/a	n/a	GUV3834
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID2		
Lab Sample ID:	JB3082-3	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y2089.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		36-144%
16416-32-3	Tetracosane-d50	87%		32-138%
438-22-2	5a-Androstane	112%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB3082-4	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S158638.D	1	04/05/12	NT	n/a	n/a	VS6499
Run #2	S158635.D	5	04/05/12	NT	n/a	n/a	VS6499

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	494 [a]	5.0	0.92	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	99%	77-120%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	70-127%
2037-26-5	Toluene-D8	100%	99%	79-120%
460-00-4	4-Bromofluorobenzene	97%	99%	76-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB3082-4	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV97157.D	1	04/03/12	XPL	n/a	n/a	GUV3833
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.562	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - MID1		
Lab Sample ID:	JB3082-4	**Date Sampled:**	03/30/12
Matrix:	AQ - Ground Water	**Date Received:**	03/31/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y2090.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		36-144%
16416-32-3	Tetracosane-d50	81%		32-138%
438-22-2	5a-Androstane	103%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB3082-5	**Date Sampled:**	03/30/12
Matrix:	AQ - Influent	**Date Received:**	03/31/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S158636.D	10	04/05/12	NT	n/a	n/a	VS6499
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	1.5	ug/l	
100-41-4	Ethylbenzene	ND	10	2.1	ug/l	
1330-20-7	Xylene (total)	ND	10	1.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1520	10	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		77-120%
17060-07-0	1,2-Dichloroethane-D4	93%		70-127%
2037-26-5	Toluene-D8	100%		79-120%
460-00-4	4-Bromofluorobenzene	97%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB3082-5	**Date Sampled:**	03/30/12
Matrix:	AQ - Influent	**Date Received:**	03/31/12
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV97159.D	1	04/03/12	XPL	n/a	n/a	GUV3833
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.62	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	137675 - OFFSITE - INFLUENT		
Lab Sample ID:	JB3082-5	**Date Sampled:**	03/30/12
Matrix:	AQ - Influent	**Date Received:**	03/31/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y2077.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
Run #2							

	Initial Volume	Final Volume
Run #1	895 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.11	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		36-144%
16416-32-3	Tetracosane-d50	76%		32-138%
438-22-2	5a-Androstane	96%		31-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW
EFF

L

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
- ☐ XENCO ( )
- ☐ Test America ( )
- ☑ OTHER ( )
  - ☑ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor #

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Adriane Rogers

PO #

INCIDENT # (ENV SERVICES): 97436977 (137675

SAP # 137675

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3-30-12

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION

LOG CODE:

ADDRESS: 200 ORCHARD RIDGE DRIVE, SUITE 100, GAITHERSBURG, MD 20878

PROJECT CONTACT (Hardcopy or PDF Report to): See Dropdown

TELEPHONE: 301-258-9780

FAX: 301-869-8728

Bill To Contact E-MAIL: adriane_rogers@urscorp.com

SITE ADDRESS: Street and City: 15541 New Hampshire Avenue, Silver Spring

State: MD

GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Adriane Rogers

PHONE NO.: 301-258-9780

E-MAIL: adriane_rogers@urscorp.com

CONSULTANT PROJECT NO.: 137675

SAMPLER NAME(S) (Print): Roderick Sample

LAB USE ONLY: JB 3082

TURNAROUND TIME (CALENDAR DAYS):
- ☐ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☑ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 2.0°C; Cooler #2; Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - (8015) GRO	TPH - (8015) DRO	BTEX, MTBE (8260B)	FIELD NOTES: Container PID Readings or Laboratory Notes
-1	137675 - Offsite - Effluent	3/30/12	12:45	GW	x					7	X	X	X	
-2	137675 - Offsite - Mid3		12:50	GW	x					7	X	X	X	48G
-3	137675 - Offsite - Mid2		12:55	GW	x					7	X	X	X	899N
-4	137675 - Offsite - Mid1		13:00	GW	x					7	X	X	X	
-5	137675 - Offsite - Influent		13:05	GW	x					7	X	X	X	
	137675 - Onsite - Effluent		N/A	GW	x					7	X	X	X	
	137675 - Onsite - Mid		N/A	GW	x					7	X	X	X	
	137675 - Onsite - Influent		N/A	GW	x					7	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FEDEX 8986 1143 1244		
FEDEX			
		3/31/12	1000

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

CUSTODY SEAL 984 INTACT

05/2/06 Revision

1B

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

4.1

4

JB3082: Chain of Custody

Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB3082 **Client:** URS CORP. **Project:** # 137675

Date / Time Received: 3/31/2012 10:00 **Delivery Method:** FedEx **Airbill #'s:** 8986 1143 1244

Cooler Temps (Initial/Adjusted): #1: (2/2); 0

Cooler Security

	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature

	Y	N
1. Temp criteria achieved:	☑	☐

2. Cooler temp verification:
3. Cooler media:
4. No, Coolers

Quality Control Preservation

	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation

	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition

	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Broken / Leaking	

Sample Integrity - Instructions

	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments -4, -5 1 OF 2 950ML JARS REC'D BROKEN

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

JB3082: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB3082

CSR: Michelle **Response Date:** 4/3/2012

Response: Jenna Anthony notified, please proceed w/analysis as noted

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB3082: Chain of Custody
Page 3 of 3

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3107-MB1	3D71820.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-1, JB3082-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	114%	70-127%
2037-26-5	Toluene-D8	98%	79-120%
460-00-4	4-Bromofluorobenzene	107%	76-118%

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6499-MB1	S158631.D	1	04/05/12	NT	n/a	n/a	VS6499

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	92%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	99%	76-118%

Blank Spike Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3107-BS	3D71821.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-1, JB3082-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	50.8	102	76-119
100-41-4	Ethylbenzene	50	53.0	106	77-119
1634-04-4	Methyl Tert Butyl Ether	100	109	109	72-125
108-88-3	Toluene	50	52.0	104	77-122
1330-20-7	Xylene (total)	150	155	103	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	77-120%
17060-07-0	1,2-Dichloroethane-D4	116%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	108%	76-118%

Blank Spike Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS6499-BS	S158632.D	1	04/05/12	NT	n/a	n/a	VS6499

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	45.5	91	76-119
100-41-4	Ethylbenzene	50	48.3	97	77-119
1634-04-4	Methyl Tert Butyl Ether	50	45.4	91	72-125
108-88-3	Toluene	50	47.6	95	77-122
1330-20-7	Xylene (total)	150	142	95	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	77-120%
17060-07-0	1,2-Dichloroethane-D4	98%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	92%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB3077-1MS	3D71830.D	1	04/03/12	NT	n/a	n/a	V3D3107
JB3077-1MSD	3D71831.D	1	04/03/12	NT	n/a	n/a	V3D3107
JB3077-1	3D71826.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-1, JB3082-2

CAS No.	Compound	JB3077-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	50.8	102	48.7	97	4	40-139/12
100-41-4	Ethylbenzene	ND		50	52.7	105	49.8	100	6	40-140/12
1634-04-4	Methyl Tert Butyl Ether	ND		50	55.3	111	54.6	109	1	54-136/12
108-88-3	Toluene	ND		50	52.5	105	49.3	99	6	47-140/12
1330-20-7	Xylene (total)	ND		150	153	102	145	97	5	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JB3077-1	Limits
1868-53-7	Dibromofluoromethane	111%	112%	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	116%	70-127%
2037-26-5	Toluene-D8	100%	99%	100%	79-120%
460-00-4	4-Bromofluorobenzene	111%	109%	107%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB3082-5MS	S158649.D	10	04/05/12	NT	n/a	n/a	VS6499
JB3082-5MSD	S158650.D	10	04/05/12	NT	n/a	n/a	VS6499
JB3082-5	S158636.D	10	04/05/12	NT	n/a	n/a	VS6499

The QC reported here applies to the following samples: **Method:** SW846 8260B

JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	JB3082-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	428	86	430	86	0	40-139/12
100-41-4	Ethylbenzene	ND		500	461	92	460	92	0	40-140/12
1634-04-4	Methyl Tert Butyl Ether	1520		500	1760	48* [a]	1790	54	2	54-136/12
108-88-3	Toluene	ND		500	440	88	447	89	2	47-140/12
1330-20-7	Xylene (total)	ND		1500	1340	89	1340	89	0	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JB3082-5	Limits
1868-53-7	Dibromofluoromethane	96%	97%	99%	77-120%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	93%	70-127%
2037-26-5	Toluene-D8	97%	98%	100%	79-120%
460-00-4	4-Bromofluorobenzene	91%	92%	97%	76-118%

(a) Outside control limits due to high level in sample relative to spike amount.

Instrument Performance Check (BFB)

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V3D3076-BFB
Lab File ID: 3D71157.D
Instrument ID: GCMS3D
Injection Date: 03/16/12
Injection Time: 08:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10962	17.4		Pass
75	30.0 - 60.0% of mass 95	28032	44.5		Pass
95	Base peak, 100% relative abundance	63048	100.0		Pass
96	5.0 - 9.0% of mass 95	4263	6.76		Pass
173	Less than 2.0% of mass 174	449	0.71	(0.78) [a]	Pass
174	50.0 - 120.0% of mass 95	57397	91.0		Pass
175	5.0 - 9.0% of mass 174	4201	6.66	(7.32) [a]	Pass
176	95.0 - 101.0% of mass 174	55123	87.4	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3664	5.81	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3076-IC3076	3D71158.D	03/16/12	09:06	00:34	Initial cal 5
V3D3076-IC3076	3D71159.D	03/16/12	09:47	01:15	Initial cal 2
V3D3076-IC3076	3D71160.D	03/16/12	10:17	01:45	Initial cal 1
ZZZZZZ	3D71160A.D	03/16/12	10:17	01:45	(unrelated sample)
V3D3076-IC3076	3D71161.D	03/16/12	10:45	02:13	Initial cal 0.5
ZZZZZZ	3D71161A.D	03/16/12	10:45	02:13	(unrelated sample)
V3D3076-IC3076	3D71162.D	03/16/12	11:13	02:41	Initial cal 10
V3D3076-IC3076	3D71163.D	03/16/12	11:46	03:14	Initial cal 20
V3D3076-ICC3076	3D71164.D	03/16/12	12:14	03:42	Initial cal 50
V3D3076-IC3076	3D71165.D	03/16/12	12:42	04:10	Initial cal 100
V3D3076-IC3076	3D71166.D	03/16/12	13:10	04:38	Initial cal 200
V3D3076-ICV3076	3D71170.D	03/16/12	15:26	06:54	Initial cal verification 50
V3D3076-ICV3076	3D71171.D	03/16/12	16:26	07:54	Initial cal verification 50
ZZZZZZ	3D71172.D	03/16/12	17:21	08:49	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: V3D3107-BFB
Lab File ID: 3D71817.D
Instrument ID: GCMS3D
Injection Date: 04/03/12
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13347	20.4		Pass
75	30.0 - 60.0% of mass 95	30888	47.2		Pass
95	Base peak, 100% relative abundance	65496	100.0		Pass
96	5.0 - 9.0% of mass 95	4522	6.90		Pass
173	Less than 2.0% of mass 174	371	0.57	(0.75) [a]	Pass
174	50.0 - 120.0% of mass 95	49331	75.3		Pass
175	5.0 - 9.0% of mass 174	3596	5.49	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	48307	73.8	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	3241	4.95	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3107-CC3076	3D71818.D	04/03/12	10:25	00:41	Continuing cal 20
V3D3107-MB1	3D71820.D	04/03/12	11:25	01:41	Method Blank
V3D3107-BS	3D71821.D	04/03/12	11:53	02:09	Blank Spike
ZZZZZZ	3D71823.D	04/03/12	13:08	03:24	(unrelated sample)
ZZZZZZ	3D71825.D	04/03/12	14:13	04:29	(unrelated sample)
JB3077-1	3D71826.D	04/03/12	14:43	04:59	(used for QC only; not part of job JB3082)
ZZZZZZ	3D71827.D	04/03/12	15:11	05:27	(unrelated sample)
ZZZZZZ	3D71828.D	04/03/12	15:39	05:55	(unrelated sample)
ZZZZZZ	3D71829.D	04/03/12	16:07	06:23	(unrelated sample)
JB3077-1MS	3D71830.D	04/03/12	16:34	06:50	Matrix Spike
JB3077-1MSD	3D71831.D	04/03/12	17:02	07:18	Matrix Spike Duplicate
ZZZZZZ	3D71833.D	04/03/12	17:58	08:14	(unrelated sample)
JB3082-1	3D71834.D	04/03/12	18:26	08:42	137675 - OFFSITE - EFFLUENT
JB3082-2	3D71835.D	04/03/12	18:54	09:10	137675 - OFFSITE - MID3
ZZZZZZ	3D71836.D	04/03/12	19:22	09:38	(unrelated sample)
ZZZZZZ	3D71837.D	04/03/12	19:50	10:06	(unrelated sample)
ZZZZZZ	3D71838.D	04/03/12	20:17	10:33	(unrelated sample)
ZZZZZZ	3D71839.D	04/03/12	20:45	11:01	(unrelated sample)
ZZZZZZ	3D71840.D	04/03/12	21:13	11:29	(unrelated sample)
V3D3108-BS	3D71845.D	04/03/12	23:33	13:49	Blank Spike

Instrument Performance Check (BFB)

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6484-BFB
Lab File ID: S158196.D
Instrument ID: GCMSS
Injection Date: 03/28/12
Injection Time: 02:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5573	22.1		Pass
75	30.0 - 60.0% of mass 95	12718	50.4		Pass
95	Base peak, 100% relative abundance	25245	100.0		Pass
96	5.0 - 9.0% of mass 95	1782	7.06		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	18764	74.3		Pass
175	5.0 - 9.0% of mass 174	1429	5.66	(7.62) [a]	Pass
176	95.0 - 101.0% of mass 174	18119	71.8	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	1253	4.96	(6.92) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6484-IC6484	S158197.D	03/28/12	03:01	00:21	Initial cal 0.5
VS6484-IC6484	S158198.D	03/28/12	03:23	00:43	Initial cal 1
ZZZZZZ	S158198A.D	03/28/12	03:23	00:43	(unrelated sample)
VS6484-IC6484	S158199.D	03/28/12	03:44	01:04	Initial cal 2
VS6484-IC6484	S158200.D	03/28/12	04:05	01:25	Initial cal 5
VS6484-IC6484	S158201.D	03/28/12	04:27	01:47	Initial cal 20
VS6484-ICC6484	S158202.D	03/28/12	04:48	02:08	Initial cal 50
VS6484-IC6484	S158203.D	03/28/12	05:09	02:29	Initial cal 100
VS6484-IC6484	S158204.D	03/28/12	05:31	02:51	Initial cal 200
VS6484-ICV6484	S158207.D	03/28/12	06:35	03:55	Initial cal verification 50
VS6484-ICV6484	S158212.D	03/28/12	09:36	06:56	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample: VS6499-BFB
Lab File ID: S158628.D
Instrument ID: GCMSS
Injection Date: 04/05/12
Injection Time: 06:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5584	20.8		Pass
75	30.0 - 60.0% of mass 95	13186	49.2		Pass
95	Base peak, 100% relative abundance	26813	100.0		Pass
96	5.0 - 9.0% of mass 95	1836	6.85		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	21469	80.1		Pass
175	5.0 - 9.0% of mass 174	1626	6.06	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	21101	78.7	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1435	5.35	(6.80) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VS6499-CC6484	S158629.D	04/05/12	06:28	00:21	Continuing cal 20
VS6499-MB1	S158631.D	04/05/12	07:11	01:04	Method Blank
VS6499-BS	S158632.D	04/05/12	07:32	01:25	Blank Spike
JB3082-4	S158635.D	04/05/12	08:52	02:45	137675 - OFFSITE - MID1
JB3082-5	S158636.D	04/05/12	09:13	03:06	137675 - OFFSITE - INFLUENT
JB3082-3	S158637.D	04/05/12	09:45	03:38	137675 - OFFSITE - MID2
JB3082-4	S158638.D	04/05/12	10:07	04:00	137675 - OFFSITE - MID1
JB3082-5MS	S158649.D	04/05/12	14:18	08:11	Matrix Spike
JB3082-5MSD	S158650.D	04/05/12	14:39	08:32	Matrix Spike Duplicate

Volatile Surrogate Recovery Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB3082-1	3D71834.D	108.0	116.0	99.0	107.0
JB3082-2	3D71835.D	110.0	117.0	99.0	106.0
JB3082-3	S158637.D	97.0	93.0	100.0	98.0
JB3082-4	S158638.D	97.0	93.0	100.0	97.0
JB3082-4	S158635.D	99.0	93.0	99.0	99.0
JB3082-5	S158636.D	99.0	93.0	100.0	97.0
JB3077-1MS	3D71830.D	111.0	118.0	100.0	111.0
JB3077-1MSD	3D71831.D	112.0	118.0	99.0	109.0
JB3082-5MS	S158649.D	96.0	97.0	97.0	91.0
JB3082-5MSD	S158650.D	97.0	98.0	98.0	92.0
V3D3107-BS	3D71821.D	110.0	116.0	100.0	108.0
V3D3107-MB1	3D71820.D	108.0	114.0	98.0	107.0
VS6499-BS	S158632.D	98.0	98.0	99.0	92.0
VS6499-MB1	S158631.D	98.0	92.0	100.0	99.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3833-MB3	UV97151.D	1	04/02/12	XPL	n/a	n/a	GUV3833

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-4, JB3082-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	89%	68-114%

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3834-MB1	UV97166.D	1	04/03/12	XPL	n/a	n/a	GUV3834

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-2, JB3082-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	89%	68-114%

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3833-MB1	UV97133.D	1	04/02/12	XPL	n/a	n/a	GUV3833

The QC reported here applies to the following samples: **Method:** SW846 8015C

GUV3833-BS, JB3083-7MS, JB3083-7MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	68-114%

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3834-MB3	UV97180.D	1	04/05/12	XPL	n/a	n/a	GUV3834

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-2MS

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.016	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	83%	68-114%

Blank Spike Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3833-BS	UV97134.D	1	04/02/12	XPL	n/a	n/a	GUV3833

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-4, JB3082-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	7.78	97	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Blank Spike Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV3834-BS	UV97167.D	1	04/03/12	XPL	n/a	n/a	GUV3834

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-2, JB3082-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	7.90	99	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	112%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB3083-7MS	UV97141.D	1	04/02/12	XPL	n/a	n/a	GUV3833
JB3083-7MSD	UV97142.D	1	04/02/12	XPL	n/a	n/a	GUV3833
JB3083-7	UV97135.D	1	04/02/12	XPL	n/a	n/a	GUV3833

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-4, JB3082-5

CAS No.	Compound	JB3083-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	7.65	96	7.55	94	1	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JB3083-7	Limits
98-08-8	aaa-Trifluorotoluene	107%	106%	89%	68-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB3082-2MS	UV97172.D	1	04/03/12	XPL	n/a	n/a	GUV3834
JB3082-2MSD	UV97173.D	1	04/03/12	XPL	n/a	n/a	GUV3834
JB3082-2	UV97168.D	1	04/03/12	XPL	n/a	n/a	GUV3834

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-2, JB3082-3

CAS No.	Compound	JB3082-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		8	7.59	95	7.71	96	2	46-131/20

CAS No.	Surrogate Recoveries	MS	MSD	JB3082-2	Limits
98-08-8	aaa-Trifluorotoluene	135%* [a]	103%	88%	68-114%

(a) Outside control limits due to matrix interference.

Volatile Surrogate Recovery Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JB3082-1	UV97156.D	89.0
JB3082-2	UV97168.D	88.0
JB3082-3	UV97169.D	88.0
JB3082-4	UV97157.D	89.0
JB3082-5	UV97159.D	88.0
GUV3833-BS	UV97134.D	112.0
GUV3833-MB3	UV97151.D	89.0
GUV3834-BS	UV97167.D	112.0
GUV3834-MB1	UV97166.D	89.0
JB3082-2MS	UV97172.D	135.0* [b]
JB3082-2MS	UV97182.D	98.0
JB3082-2MSD	UV97173.D	103.0
JB3083-7MS	UV97141.D	107.0
JB3083-7MSD	UV97142.D	106.0
GUV3833-MB1	UV97133.D	88.0
GUV3834-MB3	UV97180.D	83.0

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	68-114%

(a) Recovery from GC signal #1
(b) Outside control limits due to matrix interference.

New Jersey
ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55983-MB1	5Y2062.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-2, JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.0035	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	36-144%
16416-32-3	Tetracosane-d50	81%	32-138%
438-22-2	5a-Androstane	104%	31-136%

Blank Spike Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55983-BS1	5Y2063.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-2, JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	1	0.915	92	15-111

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	36-144%
16416-32-3	Tetracosane-d50	87%	32-138%
438-22-2	5a-Androstane	112%	31-136%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55983-MS	5Y2064.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
OP55983-MSD	5Y2065.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66
JB3082-1	5Y2087.D	1	04/04/12	CS	04/02/12	OP55983	G5Y66

The QC reported here applies to the following samples: **Method:** SW846 8015C

JB3082-1, JB3082-2, JB3082-3, JB3082-4, JB3082-5

CAS No.	Compound	JB3082-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		2.2	1.75	80	1.64	75	6	23-160/31

CAS No.	Surrogate Recoveries	MS	MSD	JB3082-1	Limits
84-15-1	o-Terphenyl	84%	77%	95%	36-144%
16416-32-3	Tetracosane-d50	73%	68%	82%	32-138%
438-22-2	5a-Androstane	96%	89%	108%	31-136%

Semivolatile Surrogate Recovery Summary

Job Number: JB3082
Account: SHELLWIC Shell Oil Products US
Project: URSMDG:SS#137675, 15541 New Hampshire Aveune, Silver Spring, MD

Method: SW846 8015C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [a]
JB3082-1	5Y2087.D	95.0	82.0	108.0
JB3082-2	5Y2088.D	94.0	82.0	105.0
JB3082-3	5Y2089.D	100.0	87.0	112.0
JB3082-4	5Y2090.D	93.0	81.0	103.0
JB3082-5	5Y2077.D	86.0	76.0	96.0
OP55983-BS1	5Y2063.D	99.0	87.0	112.0
OP55983-MB1	5Y2062.D	93.0	81.0	104.0
OP55983-MS	5Y2064.D	84.0	73.0	96.0
OP55983-MSD	5Y2065.D	77.0	68.0	89.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	36-144%
S2 = Tetracosane-d50	32-138%
S3 = 5a-Androstane	31-136%

(a) Recovery from GC signal #1