Steven P. Stucker, C.P.G.
Lead Environmental Engineer

April 26, 2017

Ms. Alexandra Servis
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C
625 Broadway
Albany, NY 12233-7013

Re: ***National Grid Kingsley Avenue Site***
Rome, New York
2017 1st Quarter OM&M Report

Dear Ms. Servis:

Enclosed for your review is the 2017 1st Quarter Operation, Maintenance, and Monitoring (OM&M) Report for the National Grid Rome (Kingsley Avenue) Site. OM&M is being conducted in accordance with the Site Management Plan (SMP) and OM&M Plan issued May 31, 2013. National Grid is working with the NYSDEC to file an environmental easement for OU-1. Subsequent to the easement being filed with Oneida County, National Grid will request that the SMP/OM&M Plan be approved by NYSDEC.

The completed quarterly OM&M activities included:

- A quarterly site inspection;
- Collection of quarterly static water level measurements of site wells;
- Collection and laboratory analysis of quarterly groundwater samples from OU-1 groundwater wells;
- Collection and laboratory analysis of quarterly groundwater extraction system samples;
- Monitoring and/or collection of light non-aqueous phase liquid and dense non-aqueous phase liquid at site wells; and
- Snow removal, as needed.

The groundwater extraction system is operating continuously and discharging to the sanitary sewer under the existing City of Rome Water Pollution Control Authority discharge permit. A chemical treatment system to minimize iron fouling within the groundwater extraction manhole, submersible pump, and piping also operates continuously.

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If you have any questions regarding the report or the scheduled activities, feel free to contact me at (315) 428-5652.

Very truly yours,

Mark Boorady for SPS

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Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Enclosures

Cc: Devin Shay - Groundwater & Environmental Services, Inc.

nationalgrid

Kingsley Avenue Operable Unit 1 Site
(Site No. 633043)
Rome, New York

2017 1st Quarter Operation, Maintenance, and Monitoring Report

Prepared by:

GES

5 Technology Place, Suite 4
East Syracuse, NY 13057

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Section 1
Introduction

1.1 Introduction

Groundwater & Environmental Services, Inc. (GES) has prepared this 2017 1st Quarter Operation, Maintenance, and Monitoring Report (OM&M) on behalf of National Grid. This report compiles the OM&M activities completed in the 1st quarter of 2017 at the Former Kingsley Avenue Manufactured Gas Plant (MGP) Site (the Site), located in Rome, New York. The Site has been classified as a Class 2 inactive hazardous waste disposal site by the New York State Department of Environmental Conservation (NYSDEC) and is identified as Site No. 633043.

In accordance with the Record of Decision (March 2002) and following successful completion of the selected remedy, long-term OM&M is required at the Site. The Site Management Plan (SMP) and OM&M Plan were submitted to NYSDEC on May 31, 2013.

The following long-term OM&M activities are conducted in accordance with the SMP to monitor the effectiveness of the remediation previously conducted:

- Quarterly inspection of the Site (March, June, September, December);
- Collection of quarterly static water level measurements at the 34 site wells (16 Operable Unit [OU]-1 shallow and deep groundwater wells, eight dense non-aqueous phase liquid (DNAPL) wells, five OU-2 groundwater wells, and five extraction trench monitoring wells);
- Collection of quarterly groundwater samples from the 16 OU-1 shallow and deep groundwater wells and laboratory analysis of samples;
- Monitoring and/or collection of light non-aqueous phase liquid (LNAPL) and DNAPL monitoring at the 34 site wells, as needed. Offsite disposal of collected DNAPL at least once every 12 months;
- Removal of vegetation and snow, as necessary, to allow for access to the Site; and
- Submittal of quarterly OM&M reports to NYSDEC.

The groundwater extraction system is fully operational and discharges to the nearby sanitary sewer under an existing City of Rome Water Pollution Control Facility (WPCF) discharge permit. Discharge water samples are collected and analyzed quarterly for comparison to the permit limits as part of OM&M.

This OM&M Quarterly Report covers OM&M activities conducted during January, February, and March 2017.

1.2 Site Description

The Site is located within the City of Rome, Oneida County, New York. Refer to **Figure 1-1** for the Site location map. The Site consists of an approximately 22 acre parcel owned by National Grid. MGP operations formerly covered the northern half of the Site. National Grid presently operates and maintains a natural gas valving station located adjacent to the terminus of Kingsley Ave.

The Site is located south of East Dominick Street, bordering a historic, commercial and residential district, approximately 2,000 feet north of the confluence of the Mohawk River with the New York State Barge Canal. It is bounded by the Genesee and Mohawk Valley Railroad to the north, and the Mohawk River forms the western boundary of the Site. Whitesboro Street terminates near the southern boundary of the Site. The City of Rome Department of Public Works facility is located to the east and southeast of the Site. The Site is bounded on the south by a National Grid electric substation. Residential properties are located near the Site entrance on Kingsley Avenue.

The Site is relatively flat, with existing grades ranging from 430 to 442 feet above mean sea level. The primary surface water feature in the area is the Mohawk River, which discharges into the Barge Canal approximately (3 miles downstream toward the south). The groundwater flow direction in both the water table aquifer (near surface) and deep aquifer (within the overburden above the clay) is toward the south-southwest. Depth to groundwater ranges from 3.5 to 14.5 feet below ground surface at the Site.

1.3 Site History

The Kingsley Avenue MGP was constructed in 1917. Gas production began at the Site in 1917 and peaked in 1927. Manufactured gas was produced at the Site using the coal gas and water gas processes. Coal carbonization produced coal gas by heating coal in retorts or beehive ovens. The water gas process involved the passage of steam through burning coal. This formed a gaseous mixture that was passed through a super heater into which an oil feed stock was sprayed. In each process, the gas produced was condensed and purified prior to distribution. The production of manufactured gas created many by-products, some of which remain onsite. A dense, oily liquid known as coal tar condensed out of the gas at various stages during its production, purification, and distribution. Although much of the coal tar produced was reused, recovery of the coal tar waste was incomplete. Substantial amounts of coal tar leaked from storage and processing facilities, contaminating surface and subsurface soils, as well as groundwater. Another by-product includes the discarded lime and/or wood chips treated with iron oxides to remove cyanide and sulfur from the gas (known as purifier waste).

By 1930, production of gas at the Kingsley Avenue MGP was limited to emergency capacity, as the supply of gas for the City of Rome came from other facilities. Between 1938 and 1941, the retort house and relief holder were decommissioned. By 1949, gas manufacturing equipment had been removed from the central building. In 1959, the main gas holder was dismantled.

Environmental concerns at the Site caused NYSDEC and the United States Environmental Protection Agency (USEPA) to evaluate the need for investigation and remedial action. Regulators typically define a single site into a number of OUs. An OU, for technical or administrative reasons, can be addressed separately to eliminate or mitigate a release, threat of release, or exposure pathway resulting from the Site contamination. The lead agency, NYSDEC, defined two OUs: OU-1 and OU-2 and continues to administer the Site under a Consent Order with National Grid. OU-1 includes the former Kingsley Avenue MGP property, the surface soils of a small contiguous area of undeveloped New York State-owned land along the Mohawk River, and sediments in a backwater area west of the Site. OU-2 includes an approximate 2-acre area between the National Grid property and the eastern shore of the Mohawk River. Additionally, OU-2 includes the area beneath the Mohawk River and property west of the Mohawk River to East Westboro Street. OU-2 encompasses approximately 20 acres of land. Refer to **Figure 1-2** for a depiction of OU-1 and OU-2.

This report is focused on OU-1. The following provides general chronology of key project-related events related to OU-1.

- 1987 – USEPA Preliminary Assessment
- 1992 – Preliminary Site Assessment/Interim Remedial Measures (IRM) Work Plan
- May 1994 – Concentrator House IRM
- July 1994 – Start of Remedial Investigation
- January 1995 – Purifier Disposal Area IRM
- July 1998 – Light non-aqueous phase liquid (LNAPL) Removal IRM initiated
- March 1999 – Remedial Investigation Report
- December 2001 – Offsite Remedial Investigation Report complete
- January 2002 – OU-1 Feasibility Study complete
- March 2002 – OU-1 Record of Decision issued by NYSDEC
- August 2006 – Remedial Design approved
- August 2007 – Remedial Action started
- December 2010 – Remedial Action completed
- January 2011 – long-term groundwater and LNAPL and DNAPL monitoring commenced
- December 2011 – long-term groundwater extraction system OM&M commenced
- November 2012 – chemical treatment system for the extraction manhole completed

The remedial elements for OU-1 that have been completed include:

- Utility relocation.
- DNAPL and LNAPL source area soil removal and offsite thermal treatment/disposal.
- Purifier waste material removal and offsite disposal.
- River bank soil removal and offsite disposal.
- Demolition and offsite disposal of the MGP tar well and holder foundations.
- Installation of a sheet pile cutoff wall to contain and minimize offsite migration of DNAPL.
- Installation of a groundwater extraction trench with passive recovery pipe along the upgradient side of the wall. The trench includes a series of collection manholes/sumps. Submersible pumps deliver untreated groundwater to a sanitary manhole under an existing City of Rome WPCF.
- Installation of a 14-acre soil cover in the northern portion of the Site.
- The two foot thick vegetative cover (2 foot thick clean soil above geotextile layer).
- Installation of eight DNAPL collection wells within known source areas.
- Installation of five groundwater monitoring wells along the extraction trench.
- Installation of 16 groundwater monitoring wells to monitor shallow and deep aquifers.
- Installation of five groundwater monitoring wells within the OU-2 area.
- A Deed of Covenants and Restrictions was previously filed for the site, however it needs to be revised in order to reflect post-remedial conditions (as required in the ROD). National Grid will discuss the applicability of an Environmental Easement or Deed Restriction with the NYSDEC in order to determine the most appropriate path to closure of this requirement.

Figure 1-3 presents the monitoring well locations for the western portion of the Site. **Figure 1-4** present monitoring well locations for the eastern portion of the Site.

Following start-up of the groundwater extraction system, it became apparent that iron fouling would be an operational issue. Therefore, National Grid installed a chemical treatment system to help protect the groundwater wells, piping, and submersible pump associated with the groundwater extraction system. As part of the chemical treatment system, a weather-proof structure was installed adjacent to the groundwater pumping manhole and houses a chemical tote and chemical feed pump. [An environmental friendly iron inhibitor (REDUX 340) is injected into the pumping manhole to protect the submersible pump, piping, and metering instruments. This chemical is used at similar National Grid sites across central and eastern New York State in order to minimize iron fouling and reduce operation and maintenance costs and has been approved by the City of Rome publicly owned treatment works.] The chemical treatment system became operational in November 2012.

Section 2

Operation, Maintenance, and Monitoring Activities

2.1 Quarterly Site Inspection

GES conducted the 2017 1st quarter site inspection on March 9, 2017. Inspections are generally conducted in March, June, September, and December of each year. The Site inspection included the Site wells, security perimeter fence/gates, drainage system, vegetation, and the Site access road. In general, the Site was noted to be in good condition during the inspection. Refer to **Appendix A** for the Site Inspection Form.

There are 34 total site wells that were inspected as part of this event. Figures 1-3 and 1-4 show the well locations. **Table 2-1** details each well in terms of horizontal location, vertical elevation, diameter, material, and screen elevation.

2.2 Quarterly Static Water Level Measurements

Quarterly static water level measurements were collected from the 34 wells from March 8 and 9, 2017. **Table 2-2** presents historical and recent static water level measurements. Refer to **Appendix B** for the field log sheet with water level measurements.

Prior to the construction of the barrier wall and groundwater extraction trench/system remedy, groundwater generally flowed northwesterly toward the Mohawk River. The remedy was designed and constructed to intercept that groundwater flow pattern and minimize migration of site-related DNAPL from the upgradient side of the barrier wall to the river. To ensure that the barrier wall meets the intent of the remedial action, it was agreed by NYSDEC and National Grid that the long-term compliance mechanism would be to compare the top of steel sheeting barrier wall (generally 435 to 437 feet above sea level) with the groundwater levels immediately upgradient of the barrier wall.

Eight manholes (MH-2, MH-3, MH-4, MH-5, MH-6, MH-6A, MH-7, and MH-8) and ten groundwater monitoring wells (DNAPL-2, DNAPL-3, DNAPL-4, DNAPL-5, DNAPL-6, VTW-1, VTW-2, VTW-3, VTW-4, and VTW-5) were constructed immediately upgradient of the barrier wall within the gravel extraction trench. The static water levels in each of these upgradient manholes and groundwater monitoring wells were measured and found to be between 425 and 430 **(Table 2-2)** feet above sea level since start-up of the groundwater extraction system. Groundwater does not overtop the barrier wall. **Figure 2-1** presents the groundwater levels compared to the barrier wall profile.

2.3 Quarterly Groundwater Monitoring Event

The 2017 1st quarter groundwater monitoring event was conducted March 8-9, 2017. Sixteen groundwater monitoring wells were sampled [LTMW-D01, LTMW-S01, LTMW-D02, LTMW-S02, LTMW-D03, LTMW-S03, LTMW-D04, LTMW-S04, LTMW-D05, LTMW-S05, LTMW-D06, LTMW-S06, LTMW-S07, LTMW-S08, LTMW-S09, LTMW-S10].

The wells were sampled in accordance with USEPA Low-Flow Groundwater Sampling Procedures [1996]. Purge water was contained and subsequently discharged to the onsite groundwater extraction system which discharges water to the City of Rome WPCF. Field measurements (temperature, pH, oxidation-reduction potential, conductivity, turbidity, dissolved oxygen, and total dissolved solids) were recorded at each well during the sampling using a water quality meter and are presented in **Appendix C**.

In addition to the 16 water samples collected, four quality assurance/quality control (QA/QC) samples were collected, including one field duplicate sample, one matrix spike sample, one matrix spike duplicate sample, and one trip blank sample. Twenty total samples were shipped on ice to the Pace Analytical Services, LLC (Pace Analytical) of Greensburg, Pennsylvania for laboratory analysis. Analyses included: polycyclic aromatic hydrocarbons (PAHs) via USEPA Method 8270; benzene, toluene, ethylbenzene, and total xylenes (BTEX) via USEPA Method 8260; heavy metals via USEPA Method 200.7; and cyanide via USEPA Method 9012B.

The analytical results primarily included detections of BTEX, acenaphthene, fluorene, naphthalene, and zinc above the New York State regulatory maximum allowable limits. A summary of laboratory analytical results is provided in **Table 2-3**. Of the 16 wells sampled, LTMW-D01 and LTMW-D03 had BTEX concentrations above the New York State Groundwater Ambient Water Quality standards. Results indicated no detections for LTMW-D04, LTMW-D05 and LTMW-S07.

The Cyanide for the Rome Kingsley samples had to be reanalyzed due to QC failures during the original run. The Surrogates were out of range and the results that were obtained were unusable because they did not pass lab protocol. The samples were re-prepped but would have been analyzed outside of hold time. The samples were recollected (collected 3/31/2017) so that they could be analyzed within hold and meet all QC required.

The analytical data report was validated by GES. The primary objective of the data validation is to identify any questionable or invalid laboratory processes or data. The data validator reviewed the summary form information, the raw sample data, and a limited review of associated raw QC data. The review stated that field sample analyte values/reporting limits were usable as reported with the exception of naphthalene results for wells LMTW-S01, LMTW-S03, and LMTW-S10 due to a positive detection in the method blank. The detection in the method blank indicates that the naphthalene concentration was introduced by the laboratory and is not representative of the sampling site. This low-level detection in the blank impacts the LTMW-S01-0313, LTMW-S10-0317 and LTM-S03-0317 naphthalene results. By EPA guidance, the concentration of an analyte found in the blank must be >5x that found in the blank to reliably be attributed to the sampling location. The naphthalene concentration in these three samples does not exceed >5x that in the blank, and thus the naphthalene positive detections are likely due to laboratory introduction. Naphthalene in these samples is therefore qualified as unusable and rejected "R". The Data Usability Summary Report (DUSR) including the validated laboratory data is presented in **Appendix D**.

2.4 Quarterly Light Non-aqueous Phase Liquid and Dense Non-aqueous Phase Liquid Monitoring/Collection Event

Each of the 34 wells was monitored for LNAPL and DNAPL monthly in this quarter. This activity is conducted in conjunction with the collection of static water level measurements. A probe is lowered to the water level in the well and inspected for LNAPL. The probe is then lowered to the bottom of the well and inspected for DNAPL. If LNAPL or DNAPL is discovered in measurable quantities, product is

removed from the well using a peristaltic pump. The removed product/water mixture is subsequently containerized in a properly labeled NYSDOT-approved 55-gallon drum for future offsite disposal.

DNAPL in measurable quantities was noted in three site wells: MW-OU2-1, MW-OU2-4, and DNAPL-03.

As part of the NAPL monitoring/collection event, a total of 15.75 gallons of DNAPL was collected (5.75 gallons from MW-OU2-1, 9.5 gallons from MW-OU2-4, and .5 gallon from DNAPL-03) during this quarter.

Since the start of the NAPL monitoring/collection program, a total of 447 gallons of DNAPL have been removed for offsite disposal. Zero gallons of LNAPL have been detected/recovered.

2.5 Quarterly Groundwater Extraction System Discharge Sampling Event

Under an existing City of Rome WPCF discharge permit, quarterly sampling, analysis, and reporting of the groundwater extraction system discharge to the local sewer system is required. A water sample was collected on March 9, 2017, and analyzed by Pace Analytical for the permit-specified parameters. No detections above permit limits were noted. **Table 2-4** provides the analytical results compared to the permit limits.

The analytical data report was validated by GES. The primary objective of the data validation is to identify any questionable or invalid laboratory processes or data. The validator reviewed the summary form information, the raw sample data, and a limited review of associated raw QC data. The review stated that field sample analyte values/reporting limits were usable as reported, with the exception of pH being qualified as estimated due to non-compliant holding time exceedance. The DUSR including the validated laboratory data is presented in **Appendix D**.

2.6 Groundwater Extraction System Discharge Flow and Operation, Maintenance, and Monitoring

The groundwater extraction system consists of a gravel trench, a pumping manhole, dual submersible pumps, and below ground piping. The piping enters the onsite groundwater treatment building where flow measurements, discharge sampling, pressure measurements, and other OM&M activities can be conducted. The piping then continues below ground from the nearby sanitary sewer manhole to the City of Rome WPCF.

A mechanical flow meter is located with the Site building and serves as the recording device for the City of Rome WPCF discharge fees. During the 2017 1st quarter, approximately 3,706,351 gallons (average flow ~ 29.5 gpm) were discharged. Since the groundwater extraction system was installed, approximately 116 million gallons have been discharged. Below is a summary table for the groundwater extraction system discharge flow:

Time Period	Discharge Flow (gallons)
2010	11,600,000
2011	14,400,000
2012	19,900,000
2013	19,500,000
2014	16,500,000
2015	16,686,700
2016 1st Quarter	3,504,900
2016 2nd Quarter	3,593,500
2016 3rd Quarter	3,157,820
2016 4th Quarter	3,438,790
2017 1st Quarter	**3,706,351**
TOTAL	**116,103,621**

The previous consultant conducted an evaluation of the groundwater extraction system, including inspections of the extraction manhole, submersible pumps, valving/controls, and clean-outs. Iron fouling throughout the system, particularly scaling on the submersible pumps, piping, and metering instruments, had been observed. As such, a chemical scale inhibitor (Redux 340) system, which applies the Redux 340 at the groundwater extraction manhole/submersible pumps, was installed and became operational in November 2012. A heating element located at the pumping manhole was installed in June 2012. Electrical power and building lighting/heating was installed in August/September 2012. Information regarding the environmentally-friendly, iron scale inhibitor was previously provided to the City of Rome POTW. The groundwater treatment system, including pumping station, conveyance piping, and flow meters was cleaned (water lancing) during September 2012 in order to remove iron scale build-up in advance of the chemical treatment system installation.

2.7 Vegetation Management and Snow Removal

Snow removal activities were conducted in this quarter. Mowing, trimming, and some minor road repairs are planned for the upcoming quarter.

Section 3

Conclusions, Recommendations, and Certifications

3.1 Conclusions

Based on data collected from the 2017 1st quarter OM&M activities, the following conclusions were made:

- The overall condition of the Site is good. Snow removal activities were completed during this quarter. Routine mowing and weed spraying activities are being scheduled for the next quarter.
- Quarterly static water level measurements were collected at eight manholes and ten groundwater monitoring wells upgradient of the steel sheeting barrier within the gravel extraction trench. The static water levels (ranging between 426 to 430 feet above sea level) did not overtop the barrier wall (top of wall ranges between 435 to 437 feet above sea level).
- Site groundwater contained detectable concentrations of BTEX, acenaphthene, fluorene, naphthalene, and zinc above the New York State regulatory maximum allowable limits. Four of the 16 wells sampled had at least one detection of a site-related constituent above the New York State limits.
- The total quarterly volume of DNAPL collected (15.75 gallons) were from three wells (MW-OU2-1, MW-OU2-4, and DNAPL-03). A total of 447 gallons of DNAPL have been removed from these wells since the inception of the program. LNAPL has not been observed in any site wells to date.
- The groundwater extraction system operated continuously at approximately 29.5 gpm, and a quarterly total of 3,706,351 gallons were discharged to the local sanitary sewer in accordance with the City of Rome WPCF discharge permit. A quarterly effluent water sample was collected and analyzed. There were no permit limit exceedances. Since December 2011, approximately 116 million gallons of water have been discharged without any permit limit exceedances.

3.2 Recommendations

It is recommended that all OM&M activities continue.

3.3 Certifications

I certify the following:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional controls and engineering controls employed at this site are unchanged from the date the controls were put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the controls to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any SMP for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of the controls;
- Use of the Site is compliant with the Declarations of Covenants and Restrictions;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program; and
- The information presented in this report is accurate and complete.

Mark Boorady

Digitally signed by Mark Boorady
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Date: 2017.04.26 08:29:36 -04'00'

_____ _____

Signature Date

Name: Mark A. Boorady, P.E.
Title: Senior Engineer
Company: Groundwater & Environmental Services, Inc.

Tables

National Grid Kingsley Avenue Site
Rome, New York

Table 2-1
Site Monitoring Wells

Well ID	Northing	Easting	Elevation OF Ground	Elevation Top Of Outter Casing	Elevation Top of Inner Casing	Nominal Well Diameter (inches)	Well Material	Well Sump Depth (ft)	Depth To Bottom Of Well (ft)	Elevation Bottom of Well	Depth To Top Screen (ft)	Elevation Top Screen	Depth To Bottom Screen (ft)	Elevation Bottom Screen	Action
MW-OU2-1	1169964.4870	1121322.8873	433.5	435.72	435.48	4	SS	3.0	46.12	389.36	33.0	402.48	43.0	392.48	Quarterly Inspection; Quarterly Static Water Level Measurement
MW-OU2-2	1170149.8980	1121255.9363	433.9	436.40	436.06	4	SS	3.0	49.60	386.46	39.0	397.06	49.0	387.06	Quarterly Inspection; Quarterly Static Water Level Measurement
MW-OU2-3	1170101.2208	1121177.4485	430.63	433.25	432.96	4	SS	3.0	35.15	397.81	31.0	401.96	41.0	391.96	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
MW-OU2-4	1170149.6326	1121136.1811	430.63	433.05	432.88	4	SS	3.0	38.85	394.03	31.0	401.88	41.0	391.88	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
MW-OU2-5	1170167.9650	1121091.2658	431.23	433.77	433.46	4	SS	3.0	36.34	397.12	31.0	402.46	41.0	392.46	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
DNAPL-02	1169976.8400	1121338.4483	434.6	436.81	NA	6	SS	3.0	50.40	386.41	4.0	432.81	46.0	389.41	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-03	1170021.7760	1121329.2613	434.6	437.23	NA	6	SS	3.0	52.32	384.91	4.5	432.73	46.5	387.91	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-04	1170138.5720	1121289.3033	436.3	438.50	NA	6	SS	3.0	51.45	387.05	3.5	435.00	47.5	390.05	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-05	1170223.6230	1121251.9083	438.4	440.60	NA	6	SS	3.0	54.75	385.85	6.0	434.60	50.0	388.85	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-06	1170309.3920	1121212.9643	438	439.71	NA	6	SS	3.0	51.45	388.26	8.0	431.71	48.0	391.26	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-07	1170186.6060	1121522.7453	439.4	441.46	NA	6	SS	3.0	53.60	387.86	5.0	436.46	55.5	390.86	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-08	1170230.3820	1121390.3173	439.6	441.80	NA	6	SS	3.0	58.01	383.79	7.0	434.80	53.0	386.79	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-09	1170267.0450	1121351.1333	440.1	442.63	NA	6	SS	3.0	57.58	385.05	5.0	437.63	53.2	388.05	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
VTM-1	1170393.9230	1121200.2643	437.7	439.74	NA	6	SS	NA	46.37	393.37	4.0	435.74	44.0	395.74	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-2	1170482.8870	1121229.5033	436.1	438.33	NA	6	SS	NA	49.47	388.86	5.0	433.33	47.0	391.33	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-3	1170541.8140	1121311.1743	437.1	439.44	NA	6	SS	NA	50.91	388.53	4.0	435.44	48.0	391.44	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-4	1170558.5060	1121416.3693	439.3	441.59	NA	6	SS	NA	50.62	390.97	9.0	432.59	49.0	392.59	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-5	1170616.4890	1121483.6873	439.8	441.79	NA	6	SS	NA	52.52	389.27	5.0	436.79	51.0	390.79	Quarterly Inspection; Quarterly Static Water Level Measurement
LTMW-D01	1169920.9810	1121340.1793	432.7	434.90	434.80	2	PVC	NA	46.84	387.96	34.0	400.80	44.0	390.80	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S01	1169936.2970	1121336.3233	433.2	435.52	435.10	2	PVC	NA	16.92	418.18	5.0	430.10	15.0	420.10	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D02	1170077.3450	1121296.6853	434.2	436.74	436.60	2	PVC	NA	40.29	396.31	30.0	406.60	40.0	396.60	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S02	1170087.0350	1121294.4073	434.3	436.79	436.59	2	PVC	NA	17.98	418.61	5.0	431.59	15.0	421.59	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D03	1170208.0726	1121183.8138	429.2	431.27	431.13	2	PVC	NA	40.73	390.40	29.0	402.13	39.0	392.13	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S03	1170200.4014	1121188.2719	429.3	431.43	431.29	2	PVC	NA	13.70	417.59	2.0	429.29	12.0	419.29	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D04	1170444.7690	1121162.3583	434.9	437.18	436.88	2	PVC	NA	46.36	390.52	34.0	402.88	44.0	392.88	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S04	1170434.1910	1121164.5883	435.6	437.24	437.09	2	PVC	NA	17.26	419.83	5.0	432.09	15.0	422.09	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D05	1170572.7400	1121323.4973	435.7	437.78	437.58	2	PVC	NA	46.53	391.05	35.0	402.58	45.0	392.58	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S05	1170567.9900	1121317.5703	435.9	437.92	437.77	2	PVC	NA	16.83	420.94	5.0	432.77	15.0	422.77	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D06	1170625.7620	1121557.7643	440.2	441.70	441.55	2	PVC	NA	52.22	389.33	40.0	401.55	50.0	391.55	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S06	1170637.4230	1121564.0263	439.7	441.64	441.52	2	PVC	NA	17.60	423.92	5.0	436.52	15.0	426.52	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S07	1170113.1090	1121525.3273	438	439.94	439.70	2	PVC	NA	17.82	421.88	5.0	434.70	15.0	424.70	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S08	1170434.0830	1121518.2593	442.4	443.81	443.63	2	PVC	NA	17.39	426.24	5.0	438.63	15.0	428.63	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S09	1170469.4300	1121969.1733	437.6	439.79	439.54	2	PVC	NA	16.92	422.62	5.0	434.54	15.0	424.54	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S10	1170123.6800	1121817.1213	437.4	439.67	439.42	2	PVC	NA	17.18	422.24	5.0	434.42	15.0	424.42	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling

Notes:
1) Shallow monitoring wells will be sampled with a low flow peristaltic pump with battery pack.
2) Deep monitoring wells will be sampled with a low flow submersible pump with generator.
3) Static water level measurements will be taken from top of inner casing. If the well has no inner casing, the measurement will be taken from the top of outer casing.

Table 2-2
Static Water Level Data

Well:	MW-OU2-1		Well:	MW-OU2-2		Well:	MW-OU2-3		Well:	MW-OU2-4		Well:	MW-OU2-5	
TOC =	435.72		TOC =	436.4		TOC =	432.96		TOC =	432.88		TOC =	433.46	
Date	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**
3/29/2011	8.64	427.08	3/29/2011	9.43	426.97	3/29/2011	6.04	426.92	3/29/2011	5.93	426.95	3/29/2011	6.68	426.78
6/13/2011	9.29	426.43	6/13/2011	10.07	426.33	6/13/2011	6.71	426.25	6/13/2011	7.87	425.01	6/13/2011	7.33	426.13
9/26/2011	9.31	426.41	9/26/2011	10.11	426.29	9/26/2011	6.64	426.32	9/26/2011	6.68	426.2	9/26/2011	7.35	426.11
12/5/2011	9.1	426.62	12/5/2011	9.84	426.56	12/5/2011	6.72	426.24	12/5/2011	6.73	426.15	12/5/2011	7.5	425.96
3/19/2012	8.88	426.84	3/19/2012	9.79	426.61	3/19/2012	6.46	426.5	3/19/2012	6.32	426.56	3/19/2012	7.13	426.33
6/18/2012	9.51	426.21	6/18/2012	10.36	426.04	6/18/2012	7.05	425.91	6/18/2012	6.95	425.93	6/18/2012	7.69	425.77
9/12/2012	9.75	425.97	9/12/2012	10.63	425.77	9/12/2012	7.32	425.64	9/12/2012	7.25	425.63	9/12/2012	8.02	425.44
12/3/2012	9.49	426.23	12/3/2012	10.33	426.07	12/3/2012	7.02	425.94	12/3/2012	6.93	425.95	12/3/2012	7.7	425.76
3/27/2013	9.3	426.42	3/27/2013	10.11	426.29	3/27/2013	6.78	426.18	3/27/2013	6.95	425.93	3/27/2013	7.42	426.04
6/10/2013	8.46	427.26	6/10/2013	9.32	427.08	6/10/2013	5.78	427.18	6/10/2013	5.68	427.2	6/10/2013	5.35	428.11
9/23/2013	9.52	426.2	9/23/2013	10.32	426.08	9/23/2013	7.08	425.88	9/23/2013	6.98	425.9	9/23/2013	7.63	425.83
12/12/2013	8.47	427.25	12/12/2013	9.35	427.05	12/12/2013	5.92	427.04	12/12/2013	5.84	427.04	12/12/2013	6.51	426.95
3/25/2014	9.12	426.6	3/25/2014	10.22	426.18	3/25/2014	6.75	426.21	3/25/2014	6.85	426.03	3/25/2014	7.24	426.22
6/12/2014	9.58	426.14	6/12/2014	10.33	426.07	6/12/2014	6.99	425.97	6/12/2014	6.94	425.94	6/12/2014	7.63	425.83
9/10/2014	9.49	426.23	9/10/2014	9.89	426.51	9/10/2014	7.02	425.94	9/10/2014	6.95	425.93	9/10/2014	7.63	425.83
12/1/2014	9.32	426.4	12/1/2014	9.84	426.56	12/1/2014	6.49	426.47	12/1/2014	6.41	426.47	12/1/2014	7.08	426.38
4/8/2015	8.63	427.09	4/8/2015	9.29	427.11	4/8/2015	6.14	426.82	4/8/2015	5.96	426.92	4/8/2015	6.98	426.48
6/3/2015	9.34	426.38	6/3/2015	9.73	426.67	6/3/2015	6.41	426.55	6/3/2015	6.34	426.54	6/3/2015	6.95	426.51
9/16/2015	9.66	426.06	9/16/2015	10.47	425.93	9/16/2015	7.15	425.81	9/16/2015	7.05	425.83	9/16/2015	7.74	425.72
12/2/2015	9.3	426.42	12/2/2015	10.19	426.21	12/2/2015	6.85	426.11	12/2/2015	6.77	426.11	12/2/2015	7.44	426.02
3/7-9/2016	8.45	427.27	3/7-9/2016	9.28	427.12	3/7-9/2016	5.91	427.05	3/7-9/2016	5.82	427.06	3/7-9/2016	6.49	426.97
6/7-9/2016	9.45	426.27	6/7-9/2016	10.28	426.12	6/7-9/2016	6.95	426.01	6/7-9/2016	6.87	426.01	6/7-9/2016	7.57	425.89
9/19-22/2016	9.58	426.14	9/19-22/2016	10.52	425.88	9/19-22/2016	7.29	425.67	9/19-22/2016	7.15	425.73	9/19-22/2016	7.84	425.62
12/15/2016	8.91	426.81	12/15/2016	9.8	426.6	12/15/2016	6.42	426.54	12/15/2016	6.35	426.53	12/15/2016	7.02	426.44
3/8/2017	8.68	427.04	3/8/2017	5.94	430.46	3/8/2017	5.93	427.03	3/8/2017	5.94	426.94	3/8/2017	6.62	426.84

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-2
Static Water Level Data

Well:	DNAPL-02		Well:	DNAPL-03		Well:	DNAPL-04		Well:	DNAPL-05	
TOC =	436.81		TOC =	437.23		TOC =	438.5		TOC =	440.6	
Date	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**
3/29/2011	8.41	428.4	3/29/2011	8.72	428.51	3/29/2011	10.05	428.45	3/29/2011	12.11	428.49
6/13/2011	9.18	427.63	6/13/2011	9.54	427.69	6/13/2011	10.84	427.66	6/13/2011	12.89	427.71
9/26/2011	9.36	427.45	9/26/2011	9.7	427.53	9/26/2011	11.09	427.41	9/26/2011	13.08	427.52
12/5/2011	9.46	427.35	12/5/2011	9.79	427.44	12/5/2011	11.13	427.37	12/5/2011	13.3	427.3
3/19/2012	9.02	427.79	3/19/2012	9.35	427.88	3/19/2012	10.69	427.81	3/19/2012	12.74	427.86
6/18/2012	9.46	427.35	6/18/2012	9.8	427.43	6/18/2012	11.15	427.35	6/18/2012	13.24	427.36
9/12/2012	10.14	426.67	9/12/2012	10.48	426.75	9/12/2012	11.81	426.69	9/12/2012	13.84	426.76
12/3/2012	9.19	427.62	12/3/2012	10.1	427.13	12/3/2012	11.45	427.05	12/3/2012	13.48	427.12
3/27/2013	9.51	427.3	3/27/2013	9.81	427.42	3/27/2013	11.15	427.35	3/27/2013	13.21	427.39
6/10/2013	8.27	428.54	6/10/2013	8.62	428.61	6/10/2013	9.91	428.59	6/10/2013	11.98	428.62
9/23/2013	9.92	426.89	9/23/2013	10.25	426.98	9/23/2013	11.56	426.94	9/23/2013	13.61	426.99
12/12/2013	8.71	428.1	12/12/2013	9.03	428.2	12/12/2013	10.35	428.15	12/12/2013	12.41	428.19
3/25/2014	9.52	427.29	3/25/2014	9.81	427.42	3/25/2014	11.15	427.35	3/25/2014	13.21	427.39
6/12/2014	9.9	426.91	6/12/2014	10.2	427.03	6/12/2014	11.41	427.09	6/12/2014	13.56	427.04
9/10/2014	9.25	427.56	9/10/2014	9.55	427.68	9/10/2014	10.62	427.88	9/10/2014	12.7	427.9
12/1/2014	9.16	427.65	12/1/2014	9.45	427.78	12/1/2014	10.75	427.75	12/1/2014	12.81	427.79
4/8/2015	8.39	428.42	4/8/2015	8.68	428.55	4/8/2015	9.96	428.54	4/8/2015	12.07	428.53
6/3/2015	8.33	428.48	6/3/2015	8.84	428.39	6/3/2015	10.15	428.35	6/3/2015	12.24	428.36
9/16/2015	9.91	426.9	9/16/2015	10.21	427.02	9/16/2015	11.51	426.99	9/16/2015	13.58	427.02
12/2/2015	9.41	427.4	12/2/2015	9.71	427.52	12/2/2015	11.01	427.49	12/2/2015	13.09	427.51
3/7-9/2016	8.45	428.36	3/7-9/2016	8.73	428.5	3/7-9/2016	10.05	428.45	3/7-9/2016	12.1	428.5
6/7-9/2016	9.41	427.4	6/7-9/2016	9.73	427.5	6/7-9/2016	11.05	427.45	6/7-9/2016	13.12	427.48
9/19-22/2016	9.56	427.25	9/19-22/2016	9.88	427.35	9/19-22/2016	11.2	427.3	9/19-22/2016	13.27	427.33
12/15/2016	8.33	428.48	12/15/2016	8.6	428.63	12/15/2016	9.89	428.61	12/15/2016	11.98	428.62
3/8/2017	8.92	427.89	3/8/2017	9.19	428.04	3/8/2017	10.51	427.99	3/8/2017	12.57	428.03

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-2
Static Water Level Data

Well:	DNAPL-06		Well:	DNAPL-07		Well:	DNAPL-08		Well:	DNAPL-09	
TOC =	439.71		TOC =	441.46		TOC =	441.8		TOC =	442.63	
Date	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**
3/29/2011	11.12	428.59	3/29/2011	12.25	429.21	3/29/2011	12.66	429.14	3/29/2011	13.75	428.88
6/13/2011	11.94	427.77	6/13/2011	12.84	428.62	6/13/2011	13.27	428.53	6/13/2011	14.14	428.49
9/26/2011	10.18	429.53	9/26/2011	12.86	428.6	9/26/2011	13.35	428.45	9/26/2011	14.25	428.38
12/5/2011	12.28	427.43	12/5/2011	12.88	428.58	12/5/2011	13.36	428.44	12/5/2011	14.28	428.35
3/19/2012	11.84	427.87	3/19/2012	12.61	428.85	3/19/2012	13.95	427.85	3/19/2012	13.05	429.58
6/18/2012	12.28	427.43	6/18/2012	13.11	428.35	6/18/2012	13.56	428.24	6/18/2012	14.47	428.16
9/12/2012	12.91	426.8	9/12/2012	13.76	427.7	9/12/2012	14.21	427.59	9/12/2012	15.11	427.52
12/3/2012	12.61	427.1	12/3/2012	13.75	427.71	12/3/2012	13.71	428.09	12/3/2012	14.65	427.98
3/27/2013	12.31	427.4	3/27/2013	12.8	428.66	3/27/2013	13.26	428.54	3/27/2013	14.2	428.43
6/10/2013	11.07	428.64	6/10/2013	11.85	429.61	6/10/2013	12.28	429.52	6/10/2013	13.16	429.47
9/23/2013	12.71	427	9/23/2013	13.26	428.2	9/23/2013	13.75	428.05	9/23/2013	13.91	428.72
12/12/2013	11.51	428.2	12/12/2013	12.19	429.27	12/12/2013	12.63	429.17	12/12/2013	13.51	429.12
3/25/2014	12.25	427.46	3/25/2014	13.01	428.45	3/25/2014	13.44	428.36	3/25/2014	14.21	428.42
6/12/2014	12.61	427.1	6/12/2014	13.12	428.34	6/12/2014	13.6	428.2	6/12/2014	14.57	428.06
9/10/2014	11.76	427.95	9/10/2014	12.91	428.55	9/10/2014	13.35	428.45	9/10/2014	14.29	428.34
12/1/2014	11.92	427.79	12/1/2014	12.55	428.91	12/1/2014	12.98	428.82	12/1/2014	13.88	428.75
4/8/2015	11.19	428.52	4/8/2015	11.71	429.75	4/8/2015	12.19	429.61	4/8/2015	13.12	429.51
6/3/2015	11.36	428.35	6/3/2015	11.88	429.58	6/3/2015	12.37	429.43	6/3/2015	13.29	429.34
9/16/2015	12.69	427.02	9/16/2015	13.32	428.14	9/16/2015	13.78	428.02	9/16/2015	14.67	427.96
12/2/2015	12.21	427.5	12/2/2015	13.03	428.43	12/2/2015	13.49	428.31	12/2/2015	14.39	428.24
3/7-9/2016	11.17	428.54	3/7-9/2016	11.91	429.55	3/7-9/2016	12.36	429.44	3/7-9/2016	13.25	429.38
6/7-9/2016	12.15	427.56	6/7-9/2016	12.98	428.48	6/7-9/2016	13.44	428.36	6/7-9/2016	14.32	428.31
9/19-22/2016	12.31	427.4	9/19-22/2016	13.22	428.24	9/19-22/2016	13.64	428.16	9/19-22/2016	14.55	428.08
12/15/2016	11.05	428.66	12/15/2016	10.8	430.66	12/15/2016	12.24	429.56	12/15/2016	13.15	429.48
3/8/2017	11.57	428.14	3/8/2017	12.37	429.09	3/8/2017	12.75	429.05	3/8/2017	13.65	428.98

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-2
Static Water Level Data

Well: VTM-1 TOC = 439.74			Well: VTM-2 TOC = 438.33			Well: VTM-3 TOC = 439.44			Well: VTM-4 TOC = 441.59			Well: VTM-5 TOC = 441.79		
Date	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**	**Date**	**DTW**	**Water El.**
3/29/2011	11.02	428.72	3/29/2011	9.48	428.85	3/29/2011	10.65	428.79	3/29/2011	12.81	428.78	3/29/2011	12.97	428.82
6/13/2011	11.74	428	6/13/2011	10.15	428.18	6/13/2011	11.32	428.12	6/13/2011	13.39	428.2	6/13/2011	13.59	428.2
9/26/2011	11.95	427.79	9/26/2011	10.41	427.92	9/26/2011	11.61	427.83	9/26/2011	13.66	427.93	9/26/2011	13.82	427.97
12/5/2011	12.01	427.73	12/5/2011	10.48	427.85	12/5/2011	11.62	427.82	12/5/2011	13.61	427.98	12/5/2011	13.81	427.98
3/19/2012	11.49	428.25	3/19/2012	9.91	428.42	3/19/2012	11.11	428.33	3/19/2012	13.16	428.43	3/19/2012	13.33	428.46
6/18/2012	12.01	427.73	6/18/2012	10.46	427.87	6/18/2012	11.66	427.78	6/18/2012	13.7	427.89	6/18/2012	13.89	427.9
12/3/2012	12.31	427.43	12/3/2012	10.82	427.51	12/3/2012	11.98	427.46	12/3/2012	13.84	427.75	12/3/2012	14.06	427.73
3/27/2013	11.83	427.91	3/27/2013	10.82	427.51	3/27/2013	11.48	427.96	3/27/2013	13.51	428.08	3/27/2013	13.69	428.1
6/10/2013	10.45	429.29	6/10/2013	8.75	429.58	6/10/2013	9.98	429.46	6/10/2013	12.08	429.51	6/10/2013	13.16	428.63
9/23/2013	12.19	427.55	9/23/2013	10.63	427.7	9/23/2013	11.79	427.65	9/23/2013	15.75	425.84	9/23/2013	13.91	427.88
12/12/2013	10.91	428.83	12/12/2013	9.31	429.02	12/12/2013	10.46	428.98	12/12/2013	12.51	429.08	12/12/2013	12.56	429.23
3/25/2014	11.69	428.05	3/25/2014	10.01	428.32	3/25/2014	11.17	428.27	3/25/2014	13.32	428.27	3/25/2014	13.35	428.44
6/12/2014	11.94	427.8	6/12/2014	10.28	428.05	6/12/2014	11.45	427.99	6/12/2014	13.48	428.11	6/12/2014	13.63	428.16
9/10/2014	11.62	428.12	9/10/2014	9.91	428.42	9/10/2014	11.1	428.34	9/10/2014	13.14	428.45	9/10/2014	13.31	428.48
12/1/2014	11.55	428.19	12/1/2014	9.79	428.54	12/1/2014	10.92	428.52	12/1/2014	12.91	428.68	12/1/2014	13.09	428.7
4/8/2015	11.06	428.68	4/8/2015	9.49	428.84	4/8/2015	11.65	427.79	4/8/2015	12.65	428.94	4/8/2015	12.81	428.98
6/3/2015	11.21	428.53	6/3/2015	9.55	428.78	6/3/2015	10.72	428.72	6/3/2015	12.68	428.91	6/3/2015	12.86	428.93
9/16/2015	12.55	427.19	9/16/2015	10.75	427.58	9/16/2015	11.85	427.59	9/16/2015	13.73	427.86	9/16/2015	14.67	427.12
12/2/2015	12.12	427.62	12/2/2015	10.53	427.8	12/2/2015	11.68	427.76	12/2/2015	13.58	428.01	12/2/2015	13.74	428.05
3/7-9/2016	10.98	428.76	3/7-9/2016	9.25	429.08	3/7-9/2016	10.36	429.08	3/7-9/2016	12.32	429.27	3/7-9/2016	12.49	429.3
6/7-9/2016	11.98	427.76	6/7-9/2016	10.29	428.04	6/7-9/2016	11.43	428.01	6/7-9/2016	13.44	428.15	6/7-9/2016	13.61	428.18
9/19-22/2016	12.23	427.51	9/19-22/2016	10.56	427.77	9/19-22/2016	11.71	427.73	9/19-22/2016	13.65	427.94	9/19-22/2016	13.82	427.97
12/15/2016	10.99	428.75	12/15/2016	9.33	429	12/15/2016	10.49	428.95	12/15/2016	12.49	429.1	12/15/2016	12.54	429.25
3/8/2017	11.24	428.5	3/8/2017	9.52	428.81	3/8/2017	10.65	428.79	3/8/2017	12.58	429.01	3/8/2017	12.76	429.03

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-2
Static Water Level Data

	LTMW-D01		LTMW-S01		LTMW-D02		LTMW-S02		LTMW-D03		LTMW-S03		LTMW-D04		LTMW-S04	
	TOC = 434.90		TOC = 435.52		TOC = 436.74		TOC = 436.79		TOC = 431.27		TOC = 431.43		TOC = 437.18		TOC = 437.24	
Date	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.
3/28-29/2011	7.83	427.07	7.85	427.67	9.68	427.06	9.43	427.36	4.41	426.86	3.34	428.09	9.07	428.11	8.91	428.33
6/13/2011	7.61	427.29	8.36	427.16	10.27	426.47	9.95	426.84	4.78	426.49	3.75	427.68	9.42	427.76	9.17	428.07
9/26/2011	8.38	426.52	8.45	427.07	10.45	426.29	10.18	426.61	4.71	426.56	3.93	427.5	9.45	427.73	9.44	427.8
12/5/2011	8.16	426.74	8.31	427.21	10.12	426.62	9.61	427.18	4.63	426.64	3.35	428.08	9.39	427.79	8.81	428.43
3/19/2012	8.01	426.89	8.11	427.41	9.92	426.82	9.46	427.33	4.5	426.77	3.04	428.39	9.24	427.94	8.29	428.95
6/18/2012	8.35	426.55	8.61	426.91	10.35	426.39	10.26	426.53	5.1	426.17	4.08	427.35	8.76	428.42	9.48	427.76
9/12/2012	8.84	426.06	8.91	426.61	10.76	425.98	10.35	426.44	5.39	425.88	4.17	427.26	10.2	426.98	9.62	427.62
12/3/2012	8.65	426.25	8.6	426.92	10.42	426.32	9.9	426.89	5.08	426.19	3.8	427.63	9.85	427.33	9.91	427.33
3/27/2013	8.27	426.63	8.64	426.88	10.28	426.46	9.98	426.81	4.84	426.43	3.87	427.56	9.61	427.57	9.36	427.88
6/10/2013	7.17	427.73	7.52	428	9.09	427.65	8.73	428.06	3.52	427.75	2.18	429.25	7.99	429.19	6.99	430.25
9/23/2013	8.36	426.54	8.75	426.77	10.28	426.46	10.28	426.51	5.11	426.16	4.05	427.38	9.84	427.34	9.52	427.72
12/12/2013	7.61	427.29	7.64	427.88	9.19	427.55	8.75	428.04	3.97	427.3	1.99	429.44	8.57	428.61	7.45	429.79
3/25/2014	8.22	426.68	8.5	427.02	10.11	426.63	10.19	426.6	4.71	426.56	4.09	427.34	9.56	427.62	9.43	427.81
6/12/2014	8.68	426.22	8.24	427.28	10.57	426.17	10.26	426.53	4.71	426.56	4.11	427.32	9.60	427.58	9.42	427.82
9/10/2014	8.14	426.76	8.12	427.4	9.99	426.75	9.64	427.15	4.58	426.69	3.19	428.24	9.30	427.88	8.70	428.54
12/1/2014	7.94	426.96	8.15	427.37	9.75	426.99	9.64	427.15	4.11	427.16	3.13	428.3	9.09	428.09	8.57	428.67
4/8/2015	7.34	427.56	7.99	427.53	9.58	427.16	9.71	427.08	4.01	427.26	3.54	427.89	8.85	428.33	8.75	428.49
6/3/2015	8.07	426.83	8.03	427.49	10.02	426.72	10.13	426.66	4.45	426.82	3.92	427.51	9.35	427.83	9.27	427.97
9/16/2015	8.3	426.6	8.76	426.76	10.29	426.45	10.32	426.47	4.91	426.36	4.15	427.28	9.69	427.49	9.52	427.72
12/3/2015	7.71	427.19	8.29	427.23	9.85	426.89	9.74	427.05	4.38	426.89	3.51	427.92	9.63	427.55	8.65	428.59
3/7-9/2016	7.75	427.15	7.18	428.34	9.05	427.69	9.15	427.64	3.69	427.58	2.45	428.98	8.55	428.63	7.85	429.39
6/7-9/2016	8.56	426.34	7.85	427.67	10.16	426.58	10.21	426.58	4.75	426.52	4.07	427.36	9.47	427.71	9.38	427.86
9/19-22/16	8.78	426.12	8.73	426.79	10.7	426.04	10.41	426.38	5.26	426.01	4.25	427.18	10.03	427.15	9.61	427.63
12/15/2016	8.11	426.79	8.02	427.5	10.03	426.71	9.73	427.06	4.55	426.72	3.28	428.15	9.32	427.86	8.41	428.83
3/8/2017	8.13	426.77	8.27	427.25	10.11	426.63	9.79	427	4.48	426.79	3.53	427.9	9	428.18	8.79	428.45

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-2
Static Water Level Data

Date	LTMW-D05 TOC = 437.78		LTMW-S05 TOC = 437.92		LTMW-D06 TOC = 441.70		LTMW-S06 TOC = 441.64		LTMW-S07 TOC = 439.70		LTMW-S08 TOC = 443.81		LTMW-S09 TOC = 439.79		LTMW-S10 TOC = 439.67	
	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.	DTW	Water El.
3/28-29/2011	8.08	429.7	9.12	428.8	11.62	430.08	12.41	429.23	10.08	429.62	14.46	429.35	10.14	429.65	9.75	429.92
6/13/2011	8.91	428.87	9.34	428.58	11.99	429.71	12.88	428.76	10.79	428.91	15.03	428.78	9.49	430.3	10.29	429.38
9/26/2011	9.32	428.46	9.53	428.39	12.4	429.30	13.2	428.44	11.01	428.69	15.21	428.6	9.55	430.24	10.31	429.36
12/5/2011	9.02	428.76	9.08	428.84	12.22	429.48	13.04	428.6	10.97	428.73	15.19	428.62	9.58	430.21	10.34	429.33
3/19/2012	8.79	428.99	9.04	428.88	12.12	429.58	12.99	428.65	11.05	428.65	15.19	428.62	9.73	430.06	10.43	429.24
6/18/2012	9.26	428.52	9.51	428.41	12.41	429.29	13.23	428.41	11.31	428.39	15.4	428.41	9.81	429.98	10.56	429.11
9/12/2012	9.76	428.02	9.64	428.28	12.81	428.89	13.69	427.95	11.97	427.73	15.95	427.86	10.58	429.21	11.27	428.4
12/3/2012	9.51	428.27	9.48	428.44	13.43	428.27	12.78	428.86	11.59	428.11	15.72	428.09	10.25	429.54	10.91	428.76
3/27/2013	9.13	428.65	9.45	428.47	12.16	429.54	13.1	428.54	10.92	428.78	15.27	428.54	9.55	430.24	10.31	429.36
6/10/2013	7.55	430.23	7.48	430.44	11.15	430.55	11.78	429.86	10.27	429.43	14.12	429.69	9.43	430.36	10.17	429.5
9/23/2013	8.94	428.84	9.52	428.4	12.36	429.34	13.21	428.43	11.39	428.31	15.46	428.35	9.86	429.93	10.64	429.03
12/12/2013	7.96	429.82	7.85	430.07	11.20	430.50	11.87	429.77	10.16	429.54	14.11	429.7	8.95	430.84	9.63	430.04
3/25/2014	9.03	428.75	8.5	429.42	11.95	429.75	12.81	428.83	10.85	428.85	15.03	428.78	9.11	430.68	9.93	429.74
6/12/2014	9.02	428.76	9.52	428.4	12.28	429.42	13.08	428.56	11.14	428.56	15.34	428.47	9.63	430.16	10.46	429.03
9/10/2014	8.85	428.93	8.97	428.95	11.91	429.79	12.68	428.96	10.96	428.74	15.34	428.47	9.35	430.44	10.29	429.38
12/1/2014	8.28	429.5	8.91	429.01	11.77	429.93	12.49	429.15	10.97	428.73	14.78	429.03	9.31	430.48	9.93	429.74
4/8/2015	8.74	429.04	9.36	428.56	11.67	429.93	12.55	429.15	10.06	428.73	14.85	429.03	8.89	430.48	9.54	429.74
6/3/2015	9.25	428.53	9.41	428.51	12.15	429.93	12.93	429.15	10.81	428.73	15.21	429.03	9.15	430.48	9.93	429.74
9/16/2015	8.97	428.81	9.51	428.41	12.58	429.93	13.25	429.15	11.54	428.73	15.65	429.03	9.89	430.48	10.65	429.74
12/2/2015	8.77	429.01	9.21	428.71	12.31	429.93	13.2	429.15	11.55	428.73	15.67	429.03	10.4	430.48	10.95	429.74
3/7-9/2016	7.85	429.93	8.27	429.65	11.16	429.93	12.13	429.15	9.94	428.73	14.48	429.03	9.05	430.48	9.65	429.74
6/7-9/2016	8.82	428.96	9.53	428.39	11.98	429.93	13.03	429.15	11.01	428.73	15.36	429.03	9.81	430.48	10.41	429.74
9/19-22/2016	9.63	428.15	9.65	428.27	12.61	429.09	13.24	428.4	11.44	428.26	15.59	428.22	9.82	429.97	10.68	428.99
12/15/2016	8.80	428.98	9.00	428.92	12.28	429.42	11.7	429.94	9.89	429.81	14.50	429.31	8.60	431.19	9.30	430.37
3/8/2017	8.26	429.52	7.54	430.38	11.52	430.18	11.78	429.86	10.39	429.31	14.69	429.12	9.21	430.58	9.98	429.69

Notes:
TOC = Top of Inner Well Casing
DTW = Depth to Water in Feet
EL. = Elevation in Feet

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D01

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	09-Sep-14	4-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	21-Sep-16	7-Dec-16	8-Mar-17
Benzene	5	1	1	360	1100	590	410	880	4900	14000	8400	4700	5700	2800	1100	540	5100	1700	1500	4800	1700	5310	**8990**	**5800**
Toluene	1000	5	1	66	180	110	93	280	2600	4300	2200	1000	1500	580	240	300	1300	430	340	1100	340	1090	**2080**	**1320**
Ethylbenzene	700	5	1	11	20	14	7.4	28	280	390	200	53	110	ND	7.8	26	84	53	54	82	ND	167	**241**	**145**
Xylene (total)	10000	5	2	ND	26	ND	5.5	53	510	450	ND	ND	170	ND	46	68	160	ND	ND	170	ND	176	**254**	**206**
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59	0.43	0.19
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	9.6	8.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	6.2	0.31
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	13	ND	ND	11	ND	ND	10	13	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	0.014	0.013
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51	**0.35**	**0.15**
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	24	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97.1	**229**	**ND**
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S01

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	09-Sep-14	4-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	21-Sep-16	7-Dec-16	8-Mar-17
Benzene	5	1	1	2.7	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	3600	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	120	120	140	150	130	79	85	100	99	83	56 H J	94	70	68	72	79 E	76	120	125	**91.2**	**69.4**
Acenaphthylene	N/A	NA	4.9	6.4	6.6	6.7	6.8	5.9	ND	5.1	ND	ND	5.1	ND	ND	ND	4.7	ND	ND	ND	ND	4.1	3	3.2
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44	0.38	0.52
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	16	23	23	26	21	ND	32	16	19	28	22	ND	23	16	23	20	20	21	ND	0.013	0.011
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	5.4	7.3	5.1	5.9	ND	5.5	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	4.9	4	3.6
Fluorene	N/A	0.002	4.9	30	38	49	41	31	24	29	26	ND	27	20 H J	28	18	26	25	23	21	28	34.1	**27.6**	**19.9**
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.38	0.4
Phenanthrene	N/A	50	4.9	44	56	64	47	29	27	28	17	ND	25	7.7 H J	10	ND	9.4	ND	ND	ND	ND	0.25	0.74	1.7
Pyrene	N/A	50	4.9	ND	ND	6.6	4.9	ND	ND	5.6	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	5.0	4.2	3.6
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D02

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	09-Sep-14	4-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	7-Dec-16	8-Mar-17
Benzene	5	1	1	2.6	2.9	2.3	1.7	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	1.9	1.3	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	7.9	10	8.9	7	8.3	ND	11	ND	7	7.4	3.8 H J	7.4	5.8	ND	ND	ND	ND	ND	3.3	2.2	1.6
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83	0.43	0.39
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	16	23	17	14	19	19	49	ND	ND	100	110	ND	130	110	16	ND	93	85	ND	0.15	0.18
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	25	21	21	21	5.9	5.9	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	83	ND	ND	0.021	ND	22	110	11	13	61	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S02

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	09-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	7-Dec-16	8-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	310	260	280	200	130	140	270	150	130	140	160	ND	81	35	190	120	130	150	ND	0.13	0.08
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	25	25	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	15	5.1	ND	7.7
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	30	30	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D03

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	480	61	99	110	28	34	25	22	16	15	11	12	6.7	9.3	9.3	10	8.9	20	15.9	**27.1**	**10.2**
Toluene	1000	5	1	600	25	72	100	5.2	22	8.4	5.6	4.4	5.3	ND	4.2	2	3.4	2.2	ND	ND	20	13.9	**55**	**5.9**
Ethylbenzene	700	5	1	350	520	220	210	1	220	210	200	120	170	150	190	73	100	87	76	86	58	69.6	**23.9**	**63.7**
Xylene (total)	10000	5	2	460	150	110	130	8.3	76	58	45	25	42	28	41	15	22	16	16	14	42	30.1	**25.7**	**13.5**
Acenaphthene	N/A	20	4.9	ND	29	9.7	ND	ND	ND	20	13	ND	11	4.9 H J	14	10	14	16	12	11	ND	411.9	ND	10.7
Acenaphthylene	N/A	NA	4.9	24	52	31	ND	ND	ND	14	13	ND	7.3	ND	5.9	ND	ND	ND	ND	ND	ND	34.7	10.6	3.1
Anthracene	N/A	NA	4.9	9	12	7.5	ND	ND	ND	7.1	5.7	ND	ND	ND	5.7	ND	5.6	5.4	ND	ND	ND	5.2	ND	5.6
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43	ND	0.42
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21	ND	0.25
Cyanide	N/A	200	10	83	120	98	80	77	79	86	86	76	76	ND	44	64	67	78	71	75	93	77	0.079	0.082
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	9	12	11	ND	ND	ND	9.3	7.4	ND	5.7	ND	7.1	ND	6.7	6.6	5.6	6.2	ND	6.2	ND	6.1
Fluorene	N/A	0.002	4.9	14	29	15	ND	ND	ND	18	12	ND	11	4.3 H J	12	6.8	11	10	9.3	7.8	ND	11.5	ND	7.1
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.4	ND
Naphthalene	N/A	10	4.9	22	740	580	420	ND	300	170	330	230	100	74 H J	150	14	47	29	24	13	81	556	**284**	**32.2**
Phenanthrene	N/A	50	4.9	31	55	34	30	ND	50	38	35	ND	27	9.6 H J	31	17	28	30	25	27	25	29.5	1.5	30.3
Pyrene	N/A	50	4.9	9.9	15	15	ND	5.4	ND	13	10	ND	ND	ND	9.8	6	8.9	8.6	7.2	8.3	8.3	8.3	1.2	7.6
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	0.11	0.11	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S03

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	12-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72 J	ND	ND	ND	ND	ND	ND	11	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16	0.17	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	8	6.6	5.8	ND	ND	60	ND	10	7.9	11	ND	15	30	5.9	5.9	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	8200	7000	7500	8800	5600	6700	10800	5900	7500	5800	5600	4600	5600	7300	5500	4400	4600	4300	4300	4600	5330

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D04

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	11-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	57	ND	ND	13	16	13	ND	15	12	ND	13	15	14	11.5	10	ND	10	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	22	ND	ND	ND	16	ND	ND	ND	ND	0.013	ND	ND	ND	490	490	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S04

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	11-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	20-Sep-16	07-Dec-16	8-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	920	24	ND	520	170	190	770	300	350	580	680	870	400	800	170	450	600	59	2.0	0.86
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	330	790	ND	1600	890	83	580	560	310	330	120	180	610	140	ND	510	340	23	618	358

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D05

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	11-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	ND	ND	10	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S05

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	11-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5800
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1320
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	145
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	206
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	340	230	270	190	61	110	99	750	ND	260	150	94	140	190	220	160	450	250	16	0.83	0.51
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	5.4
Zinc	N/A	N/A	10	ND	ND	ND	58	ND	ND	23	ND	ND	ND	11	13	75	ND	27	ND	ND	19	23	ND	27.5

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-D06

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	10-Jun-13	11-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.092	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S06

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	11-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	7-Dec-16	8-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	60	65	32	ND	85	22	40	25	71	110	66	17	100	ND	32	19	32	66	31	ND	0.19
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.0	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	0.01	ND	ND	ND	18	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S07

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	10-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	21-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	13	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S08

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	10-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	91	71	84	58	120	140	95	260	ND	130	110	170	560	120	100	100	280	120	120	0.14	0.24
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S09

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	10-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	19-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	11	ND	ND	5.4	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	20	10	ND	96	ND	ND	ND	66	22	17	45	ND	ND	10	13	23.2	97.6

Table 2-3
Groundwater Analytical Data

Sample Well Number LTMW-S10

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	10-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15	04-Mar-16	09-Jun-16	21-Sep-16	07-Dec-16	08-Mar-17
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	1.1	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	35	43	30	38	37	23	40	28	30	43	15 H	26	21	17	36	29	6.3	6.3	23	17.4	3.1
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91	0.96	0.2
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	0.12	0.12
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	200	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	1.5	0.5
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	1.1	0.17
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	10	4.9	100	77	ND	ND	64	ND	17	ND	5.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	0.94	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	1.9	0.45
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011	0.011	ND	ND	ND	ND	ND	ND	ND	ND

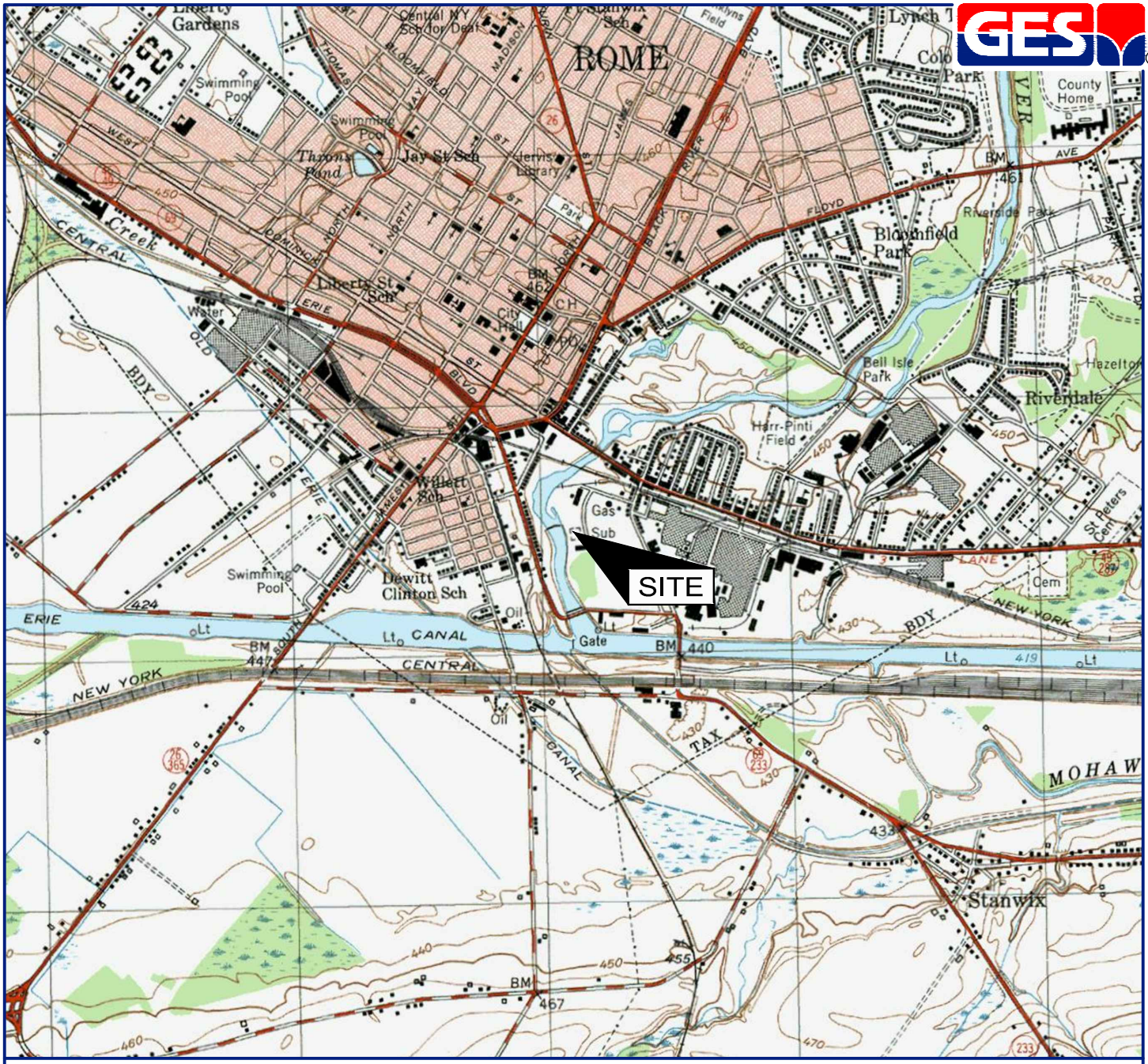
National Grid Kingsley Avenue Site
Rome, New York

Table 2-4
GW Extraction System Discharge

Parameter	City of Rome WPCF Permit Max Daily Limit (mg/L)	24-Mar-14	30-Jun-14	03-Sep-14	01-Dec-14	30-Mar-15	03-Jun-15	14-Sep-15	03-Dec-15	07-Mar-16	06-Jun-16	12-Sep-16	5-Jan-17	9-Mar-17
Benzene	0.13	0.062	0.066	0.033	0.057	0.045	0.053	0.04	0.044	0.037	0.063	0.043	0.0393	0.0536
Ethylbenzene	1.59	0.0049	0.00053	0.0019	0.0045	0.0021	0.0049	0.0042	0.003	0.0021	0.0049	0.0042	0.0025	0.0045
Toluene	1.35	0.0011	0.0097	0.0031	0.0073	0.01	0.0085	0.0013	0.0011	0.0038	0.0087	0.0021	0.0019	0.0028
Xylene	1.35	0.0047	0.0031	< 0.001	0.002	< 0.001	0.0034	< 0.001	< 0.001	< 0.001	0.0011	<0.001	<0.0001	ND<.003
Total BETX	2.87	0.083	0.084	0.038	0.071	0.057	0.07	0.046	0.048	0.043	0.078	0.0465	0.0437	0.0609
Arsenic	0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.0050	<0.010	ND<.005
Cadmium	0.11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.0030	<0.0025	ND<.003
Chromium	2.77	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0050	<0.010	ND<.005
Copper	1.3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.0050	<0.025	ND<.005
Cyanide	1.2	0.083	0.088	0.091	0.073	0.081	0.074	0.075	0.075	0.11	0.11	0.062	<0.010	0.09
Lead	1.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.0050	<0.0050	ND<.005
Mercury	0.2	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	<0.0002	<0.00020	ND<.0002
Nickel	1.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.040	ND<.010
Silver	0.43	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.0060	<0.010	ND<.006
Zinc	2.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.018	0.018	0.018	<0.010	0.0241	ND<.010
Oil & Grease	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NS	NS
CBOD5	250	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NS	NS
pH	5.5 - 11.5 su	7.16	7.1	7.11	6.96	7.01	7.08	6.88	6.98	7.06	6.91	6.8	6.8	6.7

Results in mg/L.
NS= Not Sampled

Figures



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1955
ROME, NEW YORK
CONTOUR INTERVAL = 10'

QUADRANGLE LOCATION

DRAFTED BY: W.G.S.	SITE LOCATION MAP
CHECKED BY:	NATIONAL GRID KINGSLEY AVENUE ROME, NEW YORK
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057
SCALE IN FEET: 0 – 2000	DATE: 10-17-16
	FIGURE: 1-1

M:\Graphics\0600-Syracuse\Misc\National Grid\Rome\Rome SLM.dwg, Layout1, WShea

DRAFTED BY: W.G.S.

CHECKED BY:

REVIEWED BY:

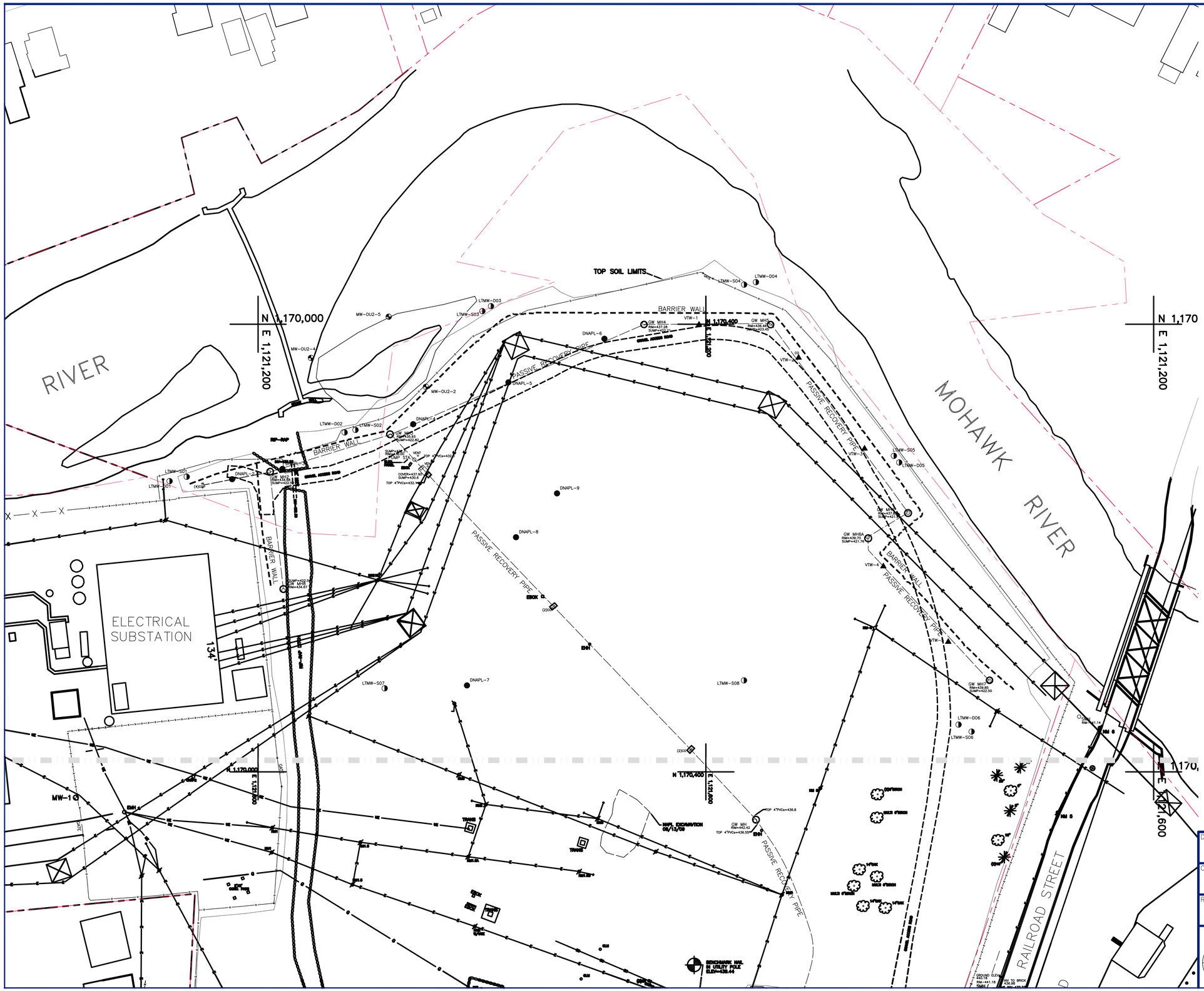
SITE MAP
OPERABLE UNITS

NATIONAL GRID
KINGSLEY AVENUE
ROME, NEW YORK

Groundwater & Environmental Services, Inc.
300 GATEWAY PARK DRIVE, NORTH SYRACUSE, NY 13212

DATE: 10-17-16

FIGURE: 1-2



LEGEND

	PROPERTY BOUNDARY
	EAST WEST DIVIDE
	FENCE
	UTILITY POLE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND GAS LINE
	OVERHEAD ELECTRIC
	ELECTRICAL CONDUIT
DNAPL-7 ●	DNAPL MONITORING WELL UNDERGROUND TELEPHONE LINE
LTMW-D01 ◐	LTMW MONITORING WELL
VTW-1 ▲	VTW MONITORING WELL
MW-OU2-1 ⊕	OU2 MONITORING WELL

WELL	NORTHING	EASTING	CASING	PVC	GROUND
LTMW-S01	1169936.2970	1121336.3233	435.52	435.10	433.2
LTMW-D01	1169920.9810	1121340.1793	434.90	434.80	432.7
LTMW-S02	1170087.0350	1121294.4073	436.79	436.59	434.3
LTMW-D02	1170077.3450	1121296.6853	436.74	436.60	434.2
LTMW-S03	1170200.4014	1121188.2719	431.43	431.29	429.3
LTMW-D03	1170208.0726	1121183.8138	431.27	431.13	429.2
LTMW-S04	1170434.1910	1121164.5883	437.24	437.09	435.6
LTMW-D04	1170444.7690	1121162.3583	437.18	436.88	434.9
LTMW-S05	1170567.9900	1121317.5703	437.92	437.77	435.9
LTMW-D05	1170572.7400	1121323.4973	437.78	437.58	435.7
LTMW-S06	1170637.4230	1121564.0263	441.64	441.52	439.7
LTMW-D06	1170625.7620	1121557.7643	441.70	441.55	440.2
LTMW-S07	1170113.1090	1121525.3273	439.94	439.70	438.0
LTMW-S08	1170434.0830	1121518.2593	443.81	443.63	442.4
LTMW-S09	1170469.4300	1121969.1733	439.79	439.54	437.6
LTMW-S10	1170123.6800	1121817.1213	439.67	439.42	437.4
DNAPL-2	1169976.8400	1121338.4483	436.81	no pipe	434.6
DNAPL-3	1170021.7760	1121329.2613	437.23	no pipe	434.6
DNAPL-4	1170138.5720	1121289.3033	438.50	no pipe	436.3
DNAPL-5	1170223.6230	1121251.9083	440.60	no pipe	438.4
DNAPL-6	1170309.3920	1121212.9643	439.71	no pipe	438.0
DNAPL-7	1170186.6060	1121522.7453	441.46	no pipe	439.4
DNAPL-8	1170230.3820	1121390.3173	441.80	no pipe	439.6
DNAPL-9	1170267.0450	1121351.1333	442.63	no pipe	440.1
MW-OU2-1	1169964.4870	1121322.8873	435.72	435.48	433.5
MW-OU2-2	1170149.8980	1121255.9363	436.40	436.06	433.9
MW-OU2-3					
MW-OU2-4	1170047.2131	1121230.1096			
MW-OU2-5	1170116.6727	1121193.2720			
VTW-1	1170393.9230	1121200.2643	439.74	no pipe	437.7
VTW-2	1170482.8870	1121229.5033	438.33	no pipe	436.1
VTW-3	1170541.8140	1121311.1743	439.44	no pipe	437.1
VTW-4	1170558.5060	1121416.3693	441.59	no pipe	439.3
VTW-5	1170616.4890	1121483.6873	441.79	no pipe	439.8

GRAPHIC SCALE (feet)

40 0 20 40 80 160

(Scale configured for D-Size 24" x 36" Plot)
1 inch = 40 ft.
(APPROXIMATE)

DRAFTED BY: W.G.S.
CHECKED BY:
REVIEWED BY:

SITE MAP-WEST

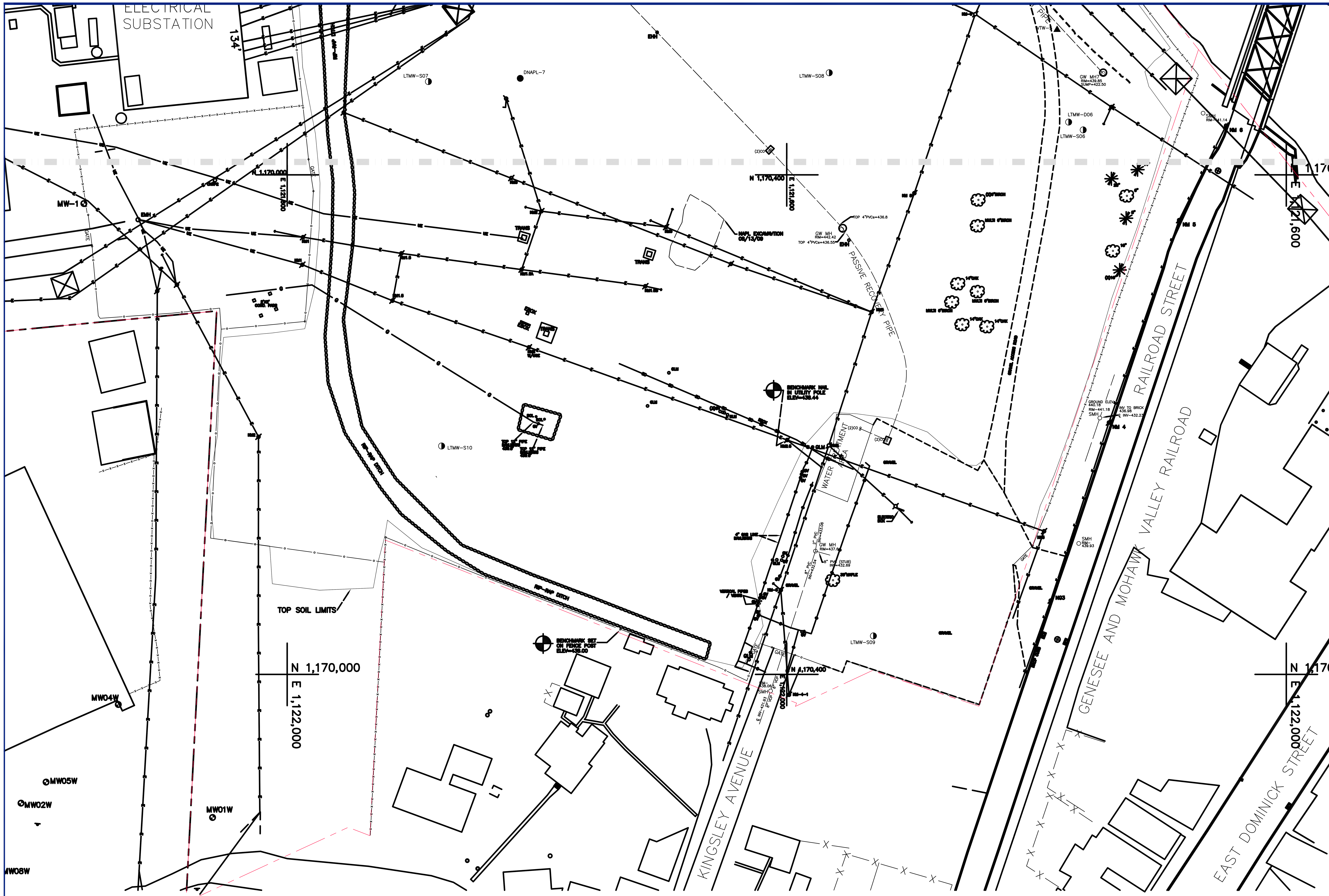
NATIONAL GRID
KINGSLEY AVENUE
ROME, NEW YORK

NORTH

Groundwater & Environmental Services, Inc.
5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057

DATE 10-27-16

FIGURE 1-3



LEGEND

- PROPERTY BOUNDARY
- EAST WEST DIVIDE
- FENCE
- UTILITY POLE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND GAS LINE
- OVERHEAD ELECTRIC
- ELECTRICAL CONDUIT
- UNDERGROUND TELEPHONE LINE
- DNAPL-7 DNAPL MONITORING WELL
- LTMW-D01 LTMW MONITORING WELL
- VTW-1 VTW MONITORING WELL
- MW-OU2-1 OU2 MONITORING WELL

WELL	NORTHING	EASTING	CASING	PVC	GROUND
LTMW-S01	1169936.2970	1121336.3233	435.52	435.10	433.2
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(Scale configured for D-Size 24" x 36" Plot)
1 inch = 40 ft.
(APPROXIMATE)

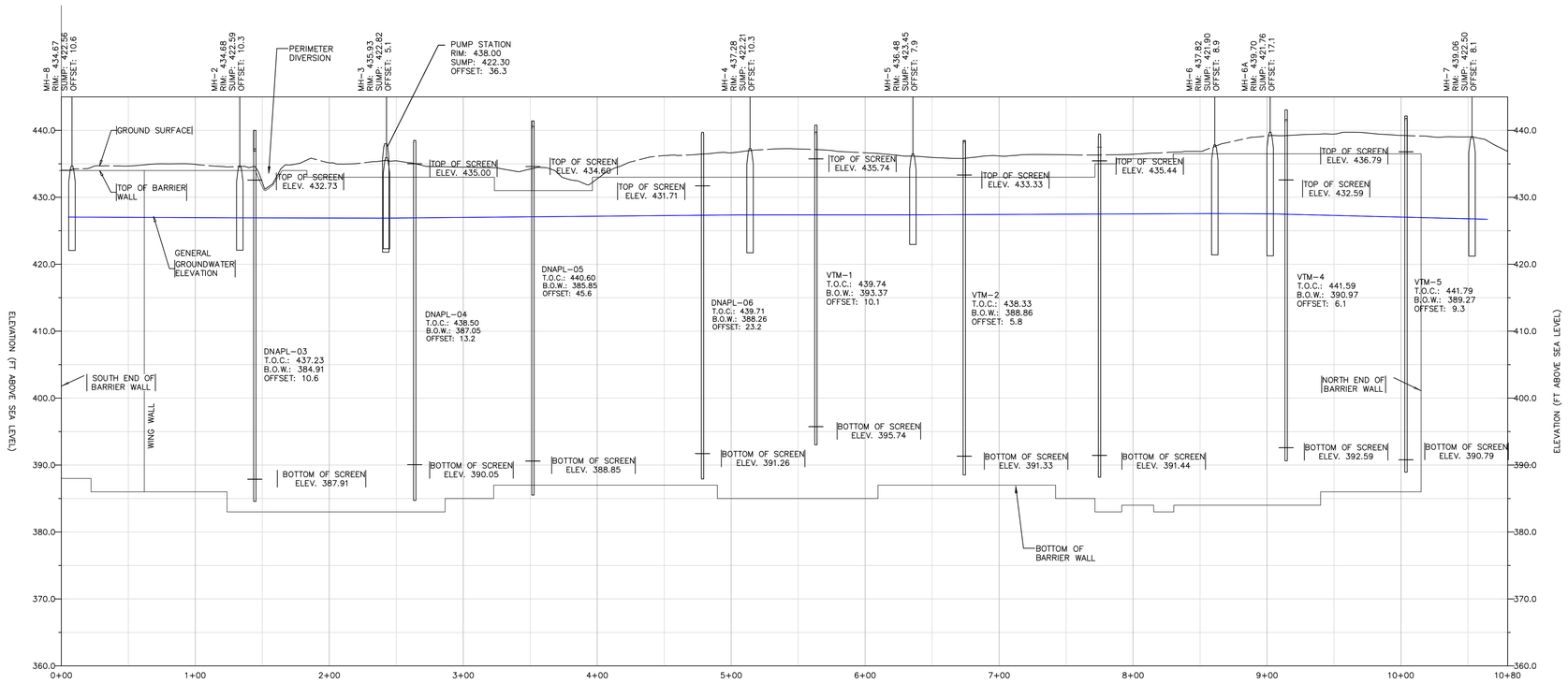
DRAFTED BY: W.G.S.
CHECKED BY:
REVIEWED BY:
NORTH

SITE MAP-EAST

NATIONAL GRID
KINGSLEY AVENUE
ROME, NEW YORK

Groundwater & Environmental Services, Inc.
5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057

DATE 10-27-16
FIGURE 1-4



PROFILE

HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

LEGEND

T.O.C.	TOP OF CASING
B.O.W.	BOTTOM OF WELL
	TOP OF WALL
	GROUNDWATER ELEVATION (JUNE 2012)

NOTES:

1. THE DEPTH OF THE BARRIER WALL IS APPROXIMATELY 50 FEET.
2. GROUNDWATER ELEVATION MEASUREMENTS TAKEN JUNE 2012.

DRAFTED BY: W.G.S.
CHECKED BY:
REVIEWED BY:
NORTH

BARRIER WALL PROFILE

NATIONAL GRID
KINGSLEY AVENUE
ROME, NEW YORK

Groundwater & Environmental Services, Inc.
300 GATEWAY PARK DRIVE, NORTH SYRACUSE, NY 13212

DATE: 10-17-16
FIGURE: 2-1

M:\Graphics\2000s\Syracuse\Rec\National Grid\Rome\Rome Profile.dwg, DL: WStrea

Appendix A

Field Inspection Report

Date: 3/9/2017 Time: 8:30

Technician: K. Leo Weath snow, 30

Site Controls					
Fence Condition	GOOD	FAIR	DAMAGED		COMMENTS
Kingsley Ave Gate	GOOD	FAIR	DAMAGED		COMMENTS:
Padlock-NG/CDMSmith	OPERATIONAL		NON-OPERATIONAL		COMMENTS:
Railroad Ave Gate	GOOD	FAIR	DAMAGED		COMMENTS:
Padlock-NG/CDMSmith	OPERATIONAL		NON-OPERATIONAL		COMMENTS:

Vegetation (Surface Cover System)				
Condition of Grass	GOOD	FAIR	POOR	COMMENTS:
Site Trees	NONE	MINOR	SIGNIFICANT	COMMENTS:
Surface Erosion	NONE	MINOR	SIGNIFICANT	COMMENTS:

Stoned Areas				
Condition of Main Access Road	GOOD	FAIR	POOR	COMMENTS:
Condition of Main Staging Area	GOOD	FAIR	POOR	COMMENTS:
Condition of Rear Turn Around Area	GOOD	FAIR	POOR	COMMENTS:

Drainage Systems					
Rip Rap Area	Culvert	UNOBSTRUCTED		OBSTRUCTED	
	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Outlet Channel	OPERATIONAL		NON-OPERATIONAL	COMMENTS:

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

Tree northwest of shed by guide pole appears dead, sheding a lot of branches. If it does not come back in the spring, should consider removal.
Slight grass and gravel damage from the snow plow. Recommend 2 hrs on site with a skid steer for regrading.

Appendix B

Quarterly Gauging Data

National Grid
Kingsley Ave, Former MGP Site
Rome, New York

First Quarter Event
March 8-9, 2017

Well ID	Sample ?	Well Size	DTW	DTP	DTB	Comments
MW-OU2-1	No	4"	8.68	44.72	45.81	Removed 1.5 gal DNAPL
MW-OU2-2	No	4"	5.94	34.11	47.53	
MW-OU2-3	No	4"	5.93		34.18	
MW-OU2-4	No	4"	5.94	35.01	39.55	Removed 3.5 gal DNAPL
MW-OU2-5	No	4"	6.62		36.01	
DNAPL-02	No	6"	8.92		50.40	
DNAPL-03	No	6"	9.19	52.02	52.32	
DNAPL-04	No	6"	10.51		51.45	
DNAPL-05	No	6"	12.57		54.75	
DNAPL-06	No	6"	11.57		54.45	
DNAPL-07	No	6"	12.37		53.60	
DNAPL-08	No	6"	12.75		58.01	
DNAPL-09	No	6"	13.65		57.58	
VTM-1	No	6"	11.24		46.37	
VTM-2	No	6"	9.52		49.47	
VTM-3	No	6"	10.65		50.91	
VTM-4	No	6"	12.58		50.62	
VTM-5	No	6"	12.76		52.52	
						Sample Time:
LTMW-D01	Yes	2"	8.13		46.84	10:50
LTMW-S01	Yes	2"	8.27		16.96	11:30
LTMW-D02	Yes	2"	10.11		40.29	12:45
LTMW-S02	Yes	2"	9.79		17.98	12:45
LTMW-D03	Yes	2"	4.48		40.73	14:30
LTMW-S03	Yes	2"	3.53		13.70	14:30
LTMW-D04	Yes	2"	9.00		46.36	15:45
LTMW-S04	Yes	2"	8.79		17.26	15:50
LTMW-D05	Yes	2"	8.26		46.53	10:35
LTMW-S05	Yes	2"	7.54		16.83	10:40
LTMW-D06	Yes	2"	11.52		52.22	11:50
LTMW-S06	Yes	2"	11.78		17.60	12:00
LTMW-S07	Yes	2"	10.39		17.82	15:30
LTMW-S08	Yes	2"	14.69		17.39	13:40
LTMW-S09	Yes	2"	9.21		16.92	14:10 (collect FD sample)
LTMW-S10	Yes	2"	9.98		17.18	15:55 (collect MS/DMS sampels)

DTW *-depth to water*
DTP *-depth to product*
DTB *-depth to bottom*
All from top of casing

Appendix C

Groundwater Sampling Field Measurements

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: GES - Syracuse
Address: 5 Technology Place, Suite 4
East Syracuse, New York 13057
Email To: mboorady@gesonline.com
Phone: 800.220.3069, x4065 Fax: None
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Mark Boorady (GES) mboorady@gesonline.com
Copy To:
Purchase Order No.:
Project Name: National Grid - Rome Kingsley Ave. Site, Rome, NY
Project Number: 06-02882-134400-221-1106

Section C Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com
Company Name: Groundwater & Environmental Services, Inc.
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
Pace Quote Reference:
Pace Project Manager: Rachel Christner
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER ____

Filtered (Y/N)

Requested Analysis:

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	BTEX (8260C)	SVOCs (PAHs) (8270D)	Cyanide, Total (335.4)	Metals, Total (As, Pb, Zn) (200.7)	Pace Project Number / Lab I.D.
1	LTMW-D01-0317	WT	G			3/8/17	10:50		7	2		1	3	1				3	2	1	1	
2	LTMW-S01-0317	WT	G			(2)	12:45	1.3°	7	2		1	3	1				3	2	1	1	
3	LTMW-D02-0317	WT	G				12:45		7	2		1	3	1				3	2	1	1	
4	LTMW-S02-0317	WT	G				12:45		7	2		1	3	1				3	2	1	1	
5	LTMW-D03-0317	WT	G				14:30		7	2		1	3	1				3	2	1	1	
6	LTMW-S03-0317	WT	G				14:30		7	2		1	3	1				3	2	1	1	
7	LTMW-D04-0317	WT	G				15:45		7	2		1	3	1				3	2	1	1	
8	LTMW-S04-0317	WT	G				15:50		7	2		1	3	1				3	2	1	1	
9	LTMW-D05-0317	WT	G			3/9/17	1035		7	2		1	3	1				3	2	1	1	
10	LTMW-S05-0317	WT	G				1040		7	2		1	3	1				3	2	1	1	
11	LTMW-D06-0317	WT	G				1150		7	2		1	3	1				3	2	1	1	
12	LTMW-S06-0317	WT	G				1200		7	2		1	3	1				3	2	1	1	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	3/9/17	1810			

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

Additional Comments:

SAMPLES WILL ARRIVE IN # COOLERS.

Please send reports to: mboorady@gesonline.com, Syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGRome-labnumber.28351.EQEDD.zip

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: KEVIN LEO

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 3/9/17

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: GES - Syracuse	
Address: 5 Technology Place, Suite 4	
East Syracuse, New York 13057	
Email To: mboorady@gesonline.com	
Phone: 800.220.3069, x4065	Fax: None
Requested Due Date/TAT: Standard	

Section B Required Project Information:

Report To: Mark Boorady (GES) mboorady@gesonline.com	
Copy To:	
Purchase Order No.:	
Project Name: National Grid - Rome Kingsley Ave. Site, Rome, NY	
Project Number: 06-02882-134400-221-1106	

Section C Invoice Information:

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Company Name: Groundwater & Environmental Services, Inc.	
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Pace Quote Reference:	
Pace Project Manager: Rachel Christner	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER ____

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS Unpreserved	Preservatives H_2SO_4	Preservatives HNO_3	Preservatives HCl	Preservatives NaOH	Preservatives $Na_2S_2O_3$	Preservatives Methanol	Preservatives Other	Requested Analysis: BTEX (8260C)	SVOCs (PAHs) (8270D)	Cyanide, Total (335.4)	Metals, Total (As, Pb, Zn) (200.7)	Pace Project Number / Lab I.D.
1	LTMW-S07-0317	WT	G			3/9/17	1530		7	2		1	3	1			3	2	1	1	
2	LTMW-S08-0317	WT	G				1340		7	2		1	3	1			3	2	1	1	
3	LTMW-S09-0317	WT	G				1410		7	2		1	3	1			3	2	1	1	
4	LTMW-S10-0317	WT	G				1555		7	2		1	3	1			3	2	1	1	
5	Field Duplicate-0317	WT	G				1201		7	2		1	3	1			3	2	1	1	
6	Matrix Spike-0317	WT	G				1201		7	2		1	3	1			3	2	1	1	
7	Duplicate Matrix Spike-0317	WT	G				1201		7	2		1	3	1			3	2	1	1	
8	Trip Blank	WT	Lab			3/9/17			2				2				2				
9	---END OF RECORD---																				
10																					
11																					
12																					

Additional Comments:

SAMPLES WILL ARRIVE IN [#] COOLERS.

Please send reports to: mboorady@gesonline.com, Syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGRome-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	3/9/17	1800			

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 3/9/17

Pace Analytical™
www.pacelabs.com

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Project Number: 06-02882-134400-221-1106	

Section C Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Company Name: Groundwater & Environmental Services, Inc.	
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Pace Quote Reference:	
Pace Project Manager: Rachel Christner	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C) and Total Toxic Organics	SVOCs (PAHS) (8270D)	Cyanide, Total (335.4)	Metals, Total (As, Cd, Cr, Cu, Pb, Ni, Ag, Zn, Hg) (200.7)	pH (SM4500_H+)	Pace Project Number / Lab I.D.
1	Effluent System 0317	WT	G			3/9/17	08:25		7	2		1	3	1				3	2	1	1		
2	Trip Blank	WT	G			↓	↓		3				3					3					
3	---END OF RECORD---																						
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Additional Comments:

SAMPLES WILL ARRIVE IN [#] COOLERS.

Please send reports to: mboorady@gesonline.com, Syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGRome-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	3/9/17	18:30			

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [illegible]

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 3/9/17

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: KEVIN L & | Date: 3/8/17
Job Number: 06-02882-134400-160 | Weather: SUNNY 38°
Well Id. **LTMW-D01** | Time In: 9:50 Time Out: 11:20

Well Information

		TOC	Other
Depth to Water:	(feet)	9.13	
Depth to Bottom:	(feet)	46.84	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	37.71	
Volume of Water in Well:	(gal)	6.19	
Three Well Volumes:	(gal)	18.59	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	160				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2.0	Did well go dry?	Yes ☐	No ☒	

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:00	9.40	11.82	9.77	-201.4	0.346	3.3	1.07	0.298
10:15	10.70	11.07	9.62	-179.9	0.312	2.6	0.53	0.276
10:20	11.87	11.28	8.71	-158.2	0.313	3.2	0.43	0.276
10:25	12.84	11.33	8.71	-165.1	0.309	2.6	0.40	0.273
10:30	14.35	10.96	8.70	-159.8	0.301	3.2	0.34	0.267
10:35	15.54	10.90	8.67	-165.1	0.297	2.4	0.37	0.264
10:40	16.57	10.89	8.72	-162.9	0.296	2.8	0.30	0.263

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-D01-0317** Duplicate? Yes ☐ No ☒
Sample Time: 10:50 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Chandler Swartzendruber
Job Number: 06-02882-134400-160
Well Id. **LTMW-S01**

Date: 3/8/17
Weather: Sunny 38°
Time In: 9:50 Time Out: 11:45

Well Information

		TOC	Other
Depth to Water:	(feet)	8.27	
Depth to Bottom:	(feet)	16.92	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	8.65	
Volume of Water in Well:	(gal)	1.39	
Three Well Volumes:	(gal)	4.15	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	120			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:50	8.24	8.47	7.35	-115.1	0.527	9.5	0.93	0.505
10:55	8.24	8.30	7.21	-118.1	0.551	6.7	0.67	0.527
11:00	8.23	8.26	7.17	-120.1	0.559	4.6	0.84	0.533
11:05	8.26	8.33	7.14	-117.8	0.565	5.4	0.15	0.539
11:10	8.24	8.33	7.10	-114.4	0.567	5.3	0.12	0.540
11:15	8.23	8.48	7.04	-107.7	0.569	5.3	0.36	0.541
11:20	8.24	8.46	7.02	-107.6	0.568	4.8	0.37	0.539

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S01-0317** Duplicate? Yes ☐ No ☒
Sample Time: 11:30 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: K-L
Job Number: 06-02882-134400-160
Well Id. **LTMW-D02**

Date: 3/8/17
Weather: Sunny 48°
Time In: 12:50 Time Out: 13:30

Well Information

		TOC	Other
Depth to Water:	(feet)	10.11	
Depth to Bottom:	(feet)	40.29	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	30.18	
Volume of Water in Well:	(gal)	4.82	
Three Well Volumes:	(gal)	14.48	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	160			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:05	11.26	10.01	9.73	19.5	0.773	154.3	3.10	135.8
12:10	11.48	9.71	8.73	49.4	0.762	98.1	2.24	0.703
12:15	11.60	9.41	8.01	54.1	0.808	73.6	2.04	0.746
12:20	11.62	9.60	7.91	55.1	0.821	53.6	2.03	0.731
12:25	11.69	9.59	7.35	54.4	0.859	38.1	2.01	0.794
12:30	11.71	9.50	7.68	56.9	0.877	27.5	1.67	0.880
12:35	11.73	9.61	7.64	55.1	0.895	21.3	2.08	0.825

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-D02-0317**
Sample Time: 12:45

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Date: 3/8/17
Job Number: 06-02882-134400-160
Weather: Sunny
Well Id. **LTMW-S02**
Time In: 11:50 Time Out: 1300

Well Information

		TOC	Other
Depth to Water:	(feet)	9.79	
Depth to Bottom:	(feet)	17.98	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	8.19	
Volume of Water in Well:	(gal)	1.31	
Three Well Volumes:	(gal)	3.93	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	

Average Pumping Rate:	(ml/min)	150
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	7

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1210	9.87	9.33	6.90	-104.7	0.521	1380.6	0.58	0.485
1215	9.86	8.87	6.89	-104.3	0.511	1943.1	0.33	0.480
1220	9.89	8.43	6.91	-102.2	0.503	1949.1	0.21	0.478
1225	9.86	7.81	6.92	-99.1	0.483	455.3	0.19	0.464
1230	9.86	7.46	6.91	-98.6	0.443	719.0	0.19	0.431
1235	9.85	7.62	6.92	-99.0	0.428	490.6	0.20	0.415
1240	9.85	7.76	6.93	-99.3	0.421	627.7	0.19	0.407

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S02-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1245 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: [illegible]
Date: 3/8/17
Job Number: 06-02882-134400-160
Weather: PC 55°
Well Id. **LTMW-D03**
Time In: 13:30 Time Out: 14:50

Well Information

		TOC	Other
Depth to Water:	(feet)	4.48	
Depth to Bottom:	(feet)	40.73	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	36.25	
Volume of Water in Well:	(gal)	5.8	
Three Well Volumes:	(gal)	17.4	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	160			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
13:50	5.46	10.37	9.62	35.2	0.545	2.3	3.33	0.489
13:55	5.93	9.79	10.59	8.1	0.471	0.7	2.15	0.425
14:00	6.70	10.03	11.06	-3.5	0.448	-1.4	1.91	0.409
14:05	6.90	9.81	11.16	7.0	0.447	-0.7	2.08	0.410
14:10	6.97	9.79	10.37	39.4	0.737	-3.4	1.10	0.703
14:15	7.04	9.66	9.54	-130.0	1.077	-4.5	0.94	0.987
14:20	7.14	9.97	9.19	-136.0	1.124	-4.8	0.28	1.024

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☐

Sample ID: **LTMW-D03-0317** Duplicate? Yes ☐ No ☒
Sample Time: 14:30 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Job Number: 06-02882-134400-160
Well Id. **LTMW-S03**

Date: 3/15/17
Weather: Cloudy 45
Time In: 1345 Time Out: 1445

Well Information

		TOC	Other
Depth to Water:	(feet)	3.53	
Depth to Bottom:	(feet)	13.70	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.17	
Volume of Water in Well:	(gal)	1.63	
Three Well Volumes:	(gal)	4.89	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	120				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1355	3.52	7.72	6.92	-59.8	0.176	135.3	0.71	0.171
1400	3.52	7.57	6.88	-60.5	0.175	92	0.47	0.170
1405	3.51	7.21	6.85	-62.5	0.221	74.6	0.55	0.218
1410	3.51	7.35	6.85	-59.6	0.230	69.2	0.41	0.227
1415	3.51	7.04	6.82	-57.6	0.237	64.3	0.40	0.235
1420	3.51	7.19	6.82	-59.1	0.244	55.8	0.39	0.241
1425	3.51	7.28	6.84	-62.9	0.250	52.9	0.38	0.245

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☐

Sample ID: **LTMW-S03-0317**
Sample Time: 1430

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel:

Date: 3/9/17

Job Number: 06-02882-134400-160

Weather: PC 50°

Well Id. **LTMW-D04**

Time In: 15:00 Time Out: 16:00

Well Information

		TOC	Other
Depth to Water:	(feet)	9.80	
Depth to Bottom:	(feet)	46.36	
Depth to Product:	(feet)	ND	
Length of Water Column:	(feet)	37.36	
Volume of Water in Well:	(gal)	5.97	
Three Well Volumes:	(gal)	17.93	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	160			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
15:05	9.75	9.90	8.77	-49.6	0.699	52.1	4.86	0.621
15:10	10.15	9.96	8.57	-33.3	0.635	3.2	1.52	0.584
15:15	10.17	9.96	8.42	-33.0	0.672	1.7	1.01	0.601
15:20	10.19	9.96	8.38	-32.1	0.715	2.5	0.23	0.653
15:25	10.21	9.99	8.36	-47.5	0.721	4.1	0.22	0.657
15:30	10.27	10.06	8.35	-57.0	0.724	3.6	0.20	0.659
15:35	10.23	10.40	8.33	-68.6	0.661	4.1	0.21	0.661

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-D04-0317** Duplicate? Yes ☐ No ☒
Sample Time: 15:45 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Job Number: 06-02882-134400-160
Well Id. **LTMW-S04**

Date: 3/8/17
Weather: Cloudy 50°
Time In: 1500 Time Out: 1610

Well Information

		TOC	Other
Depth to Water:	(feet)	8.79	
Depth to Bottom:	(feet)	17.26	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	8.47	
Volume of Water in Well:	(gal)	1.36	
Three Well Volumes:	(gal)	4.08	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	150			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1515	8.75	7.10	6.94	168.8	0.176	12.3	3.70	0.173
1520	8.75	6.86	6.35	199.1	0.168	8.1	3.56	0.166
1525	8.77	6.71	6.29	251.7	0.165	5.7	3.38	0.165
1530	8.78	7.05	6.96	258.1	0.169	4.9	3.35	0.169
1535	8.77	7.18	6.28	257.1	0.171	4.7	3.41	0.169
1540	8.77	7.22	6.28	261.6	0.175	4.0	3.40	0.173
1545	8.78	6.79	6.29	271.6	0.176	3.7	3.35	0.177

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☐

Sample ID: **LTMW-S04-0317**
Sample Time: 1550

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Date: 3/9/17
Job Number: 06-02882-134400-160
Weather: 30°F, light snow
Well Id. **LTMW-D05**
Time In: 0925 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	8.26	
Depth to Bottom:	(feet)	46.53	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	38.27	
Volume of Water in Well:	(gal)	6.12	
Three Well Volumes:	(gal)	18gal	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	250			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	5			

Did well go dry? Yes ☐ No ☐

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	11.26	8.40	8.46	57.2	0.429	-2.9	2.02	0.407
1010	12.13	8.18	8.63	56.5	0.428	-2.3	1.99	0.411
1015	12.35	7.69	8.61	57.5	0.426	-3.1	1.93	0.413
1020	12.41	7.80	8.58	58.2	0.423	-3.4	1.93	0.410
1025	13.51	8.05	8.58	73.6	0.425	-4.1	1.80	0.409
1030	12.62	8.23	8.58	70.7	0.429	-4.1	1.54	0.409
1035	12.71	8.43	8.56	64.5	0.430	-4.1	1.45	0.408

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-D05-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1035 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Laboratory: PACE Analytical Greensburg, PA

Comments/Notes:

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Date: 3/9/17
Job Number: 06-02882-134400-160
Weather: Snow 30°
Well Id. **LTMW-S05**
Time In: 925 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	7.57	
Depth to Bottom:	(feet)	16.83	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	9.26	
Volume of Water in Well:	(gal)	1.48	
Three Well Volumes:	(gal)	4.44	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	150			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)				

Did well go dry? Yes ☐ No ☐

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	7.57	5.93	6.74	179.8	0.319	29.24	2.08	0.327
1010	7.58	5.85	6.76	192.3	0.320	134.6	1.80	0.328
1015	7.58	5.62	6.77	201.1	0.315	63.5	1.80	0.326
1020	7.58	5.76	6.76	203.2	0.313	71.6	1.87	0.322
1025	7.56	5.91	6.77	204.6	0.302	48.3	2.13	0.307
1030	7.57	5.95	6.79	206.8	0.289	40.0	2.79	0.292
1035	7.57	5.97	6.88	216.6	0.265	32.2	4.42	0.270

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S05-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1040 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Allison Jadan
Job Number: 06-02882-134400-160
Well Id. **LTMW-D06**

Date: 3/9/17
Weather: 30°F, light snow
Time In: 1110 Time Out: 1210

Well Information

		TOC	Other
Depth to Water:	(feet)	11.52	
Depth to Bottom:	(feet)	52.22	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	40.70	
Volume of Water in Well:	(gal)	6.5	
Three Well Volumes:	(gal)	19.5	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	250				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	5				

Did well go dry? Yes ☐ No ☐

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1120	12.19	8.71	8.41	66.7	0.533	-3.2	2.01	0.500
1125		9.29	8.58	60.8	0.518	-4.2	0.83	0.481
1130	12.35	8.91	8.46	47.2	0.511	-4.9	0.35	0.479
1135		8.95	8.41	18.8	0.512	-5.0	0.23	0.479
1140	12.39	9.46	8.37	-23.5	0.552	-4.9	0.20	0.512
1145		9.85	8.34	-45.6	0.587	-5.1	0.17	0.541
1150	12.41	9.80	8.31	-48.5	0.608	-5.2	0.17	0.557

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☐

Sample ID: **LTMW-D06-0317**
Sample Time: 1150

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Job Number: 06-02882-134400-160
Well Id. **LTMW-S06**

Date: 3/9/17
Weather: Cloudy/Snowy 30°
Time In: 11:15 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	11.78	
Depth to Bottom:	(feet)	17.60	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.82	
Volume of Water in Well:	(gal)	0.93	
Three Well Volumes:	(gal)	2.2	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	160			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1125	11.78	7.52	6.61	28.6	0.754	114.1	3.50	0.604
1130	11.77	7.66	6.58	14.2	0.735	26.8	1.64	0.723
1135	11.76	7.72	6.59	10.0	0.758	15.2	1.12	0.736
1140	11.77	7.69	6.57	9.8	0.760	16.0	1.12	0.739
1145	11.77	7.83	6.56	11.0	0.764	8.9	0.95	0.739
1150	11.76	7.93	6.56	10.6	0.769	5.4	1.01	0.741
1155	11.76	7.94	6.56	11.1	0.766	7.7	1.05	0.738

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S06-0317**
Sample Time: 1250

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Allison Jordan
Date: 3/9/17
Job Number: 06-02882-134400-160
Weather: 37°F, partly sunny, windy
Well Id. **LTMW-S07**
Time In: 1450 Time Out: 1545

Well Information

		TOC	Other
Depth to Water:	(feet)	10.39	
Depth to Bottom:	(feet)	17.82	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.43	
Volume of Water in Well:	(gal)	1.18	
Three Well Volumes:	(gal)	3.6	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	3			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1500	11.19	7.91	8.08	85.5	0.801	21.9	1.04	0.773
1505	11.59	7.91	7.70	87.0	0.821	14.8	0.42	0.754
1510	11.65	7.77	7.60	79.5	0.831	12.1	0.41	0.805
1515	11.69	7.45	7.53	75.6	0.823	15.8	0.41	0.805
1520	11.70	7.20	7.50	72.4	0.813	3.8	0.43	0.801
1525	11.73	7.01	7.44	71.6	0.803	7.5	0.40	0.785
1530	11.75	7.18	7.40	71.5	0.805	0.5	0.36	0.795

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S07-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1530 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Allison Jordan
Date: 3/9/17
Job Number: 06-02882-134400-160
Weather: 37°F, windy
Well Id. **LTMW-S08**
Time In: 1300 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	14.69	
Depth to Bottom:	(feet)	17.39	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	2.70	
Volume of Water in Well:	(gal)	0.4	
Three Well Volumes:	(gal)	1.2	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1310	14.75	8.02	8.12	75.3	0.747	38.9	0.79	0.711
1315	14.78	7.71	7.97	81.0	0.598	8.6	0.95	0.577
1320	14.78	7.54	7.50	83.5	0.783	1.1	0.87	0.573
1325	14.78	7.57	7.36	84.7	0.638	-1.8	0.85	0.621
1330	14.78	7.56	7.31	86.3	0.651	-2.7	0.91	0.630
1335	14.78	7.58	7.23	89.7	0.710	-4.0	0.94	0.684
1340	14.79	7.82	7.19	93.1	0.730	-4.3	0.92	0.706

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S08-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1340 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Job Number: 06-02882-134400-160
Well Id. **LTMW-S09**

Date: 3/9/17
Weather: Cloudy 30°
Time In: 1330 Time Out: 1445

Well Information

		TOC	Other
Depth to Water:	(feet)	9.21	
Depth to Bottom:	(feet)	16.92	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.71	
Volume of Water in Well:	(gal)	1.23	
Three Well Volumes:	(gal)	3.7	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1335	9.25	8.44	7.03	23.1	0.398	138.6	8.01	0.374
1340	9.22	8.50	7.05	47.6	0.384	258.1	8.10	0.369
1345	9.22	8.90	7.09	56.8	0.413	253.7	6.11	0.416
1350	9.22	8.89	7.11	60.7	0.468	166.6	6.53	0.439
1355	9.22	8.94	7.13	61.8	0.490	104.8	6.34	0.465
1400	9.22	9.02	7.15	63.9	0.505	118.6	6.85	0.472
1405	9.22	9.15	7.15	65.3	0.514	59.3	5.07	0.480

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	4 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	6 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	2 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	2 - 250 ml plastic	Yes ☒	No ☐

Field Duplicate-0317 Sample Time:

Sample ID: **LTMW-S09-0317**
Sample Time: 1410

Duplicate? Yes ☒ No ☐
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: CS
Date: 3/9/17
Job Number: 06-02882-134400-160
Weather: Cloudy 30°
Well Id. **LTMW-S10**
Time In: 1520 Time Out: 1645

Well Information

		TOC	Other
Depth to Water:	(feet)	9.98	
Depth to Bottom:	(feet)	17.18	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	7.7	
Volume of Water in Well:	(gal)	1.27	
Three Well Volumes:	(gal)	3.81	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes ☐ No ☐

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1520								
1525	9.98	7.95	6.56	60.3	0.662	610.8	2.86	0.657
1530	9.98	7.91	6.45	99.9	0.657	355.3	1.98	0.635
1535	9.99	8.00	6.41	24.3	0.674	249.9	1.38	0.650
1540	9.98	7.97	6.42	18.2	0.676	203.1	1.00	0.654
1545	9.98	7.97	6.44	5.4	0.685	134.4	0.97	0.659
1550	9.96	7.84	6.49	3.4	0.680	127.7	0.74	0.658

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	6 - 250 ml amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	9 - 40 ml vials	Yes ☒	No ☐
EPA Method 335.4	Cyanide	3 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	3 - 250 ml plastic	Yes ☒	No ☐

Matrix Spike-0317 Sample Time: **Duplicate Matrix Spike-0317 Sample Time:**

Sample ID: **LTMW-S10-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1555 MS/MSD? Yes ☒ No ☐

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: GES - Syracuse	
Address: 5 Technology Place, Suite 4	
East Syracuse, New York 13057	
Email To: mboorady@gesonline.com	
Phone: 800.220.3069, x4065	Fax: None
Requested Due Date/TAT: Standard	

Section B Required Project Information:

Report To: Mark Boorady (GES) mboorady@gesonline.com	
Copy To:	
Purchase Order No.:	
Project Name: National Grid - Rome Kingsley Ave. Site, Rome, NY	
Project Number: 06-02882-134400-221-1106	

Section C Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Company Name: Groundwater & Environmental Services, Inc.	
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Pace Quote Reference:	
Pace Project Manager: Rachel Christner	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER ____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER ____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C)	SVOCs (PAHs) (8270D)	Cyanide, Total (335.4)	Metals, Total (As, Pb, Zn) (200.7)	Pace Project Number / Lab I.D.
1	LTMW-D01-0317 R	WT	G			3/31/17	0940		1					1						1		
2	LTMW-S01-0317 R	WT	G				0940		1					1						1		
3	LTMW-D02-0317 R	WT	G				1030		1					1						1		
4	LTMW-S02-0317 R	WT	G				1030		1					1						1		
5	LTMW-D03-0317 R	WT	G				1315		1					1						1		
6	LTMW-S03-0317 R	WT	G				1300		1					1						1		
7	LTMW-D04-0317 R	WT	G				1135		1					1						1		
8	LTMW-S04-0317 R	WT	G			↓	1135		1					1						1		
9		WT	G																	1		
10		WT	G																	1		
11		WT	G																	1		
12		WT	G																	1		

Additional Comments:

SAMPLES WILL ARRIVE IN # COOLERS.

Please send reports to: mboorady@gesonline.com, Syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGRome-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alexis Jenkins GES	3/31/17	1400			

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: AJ / CS
Date: 3/31/17
Job Number: 06-02882-134400-160
Weather: 32°F, rain
Well Id. **LTMW-D01**
Time In: 0850 Time Out: 0940

Well Information

		TOC	Other
Depth to Water:	(feet)	7.77	
Depth to Bottom:	(feet)	46.84	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	39.06	
Volume of Water in Well:	(gal)	6.2	
Three Well Volumes:	(gal)	18.7	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	250			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	3			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
905	9.84	5.02	8.24	12.3	0.443	1.5	1.85	
920	12.15	4.91	8.25	-2.4	0.420	1.7	0.61	
935	11.22	4.26	8.30	-10.2	0.425	1.4	0.61	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☒
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☒
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☒

Sample ID: **LTMW-D01-0317** Duplicate? Yes ☐ No ☒
Sample Time: 0940 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: AJ/CS
Job Number: 06-02882-134400-160
Well Id. **LTMW-S01**

Date: 3/31/17
Weather: 32°F, rain
Time In: 0850 Time Out: 0940

Well Information

		TOC	Other
Depth to Water:	(feet)	7.51	
Depth to Bottom:	(feet)	16.92	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	9.41	
Volume of Water in Well:	(gal)	1.5	
Three Well Volumes:	(gal)	4.5	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate: (ml/min)	250				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	3				

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
905	7.55	6.47	8.79	-55.6	0.788	12.1	0.70	
920	7.53	6.53	7.47	-67.1	0.788	11.2	0.34	
935	7.53	6.53	7.26	-72.4	0.789	8.0	0.24	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☒
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☒
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☒

Sample ID: **LTMW-S01-0317**
Sample Time: 0940

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Laboratory: PACE Analytical Greensburg, PA

Comments/Notes:

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel:

Date: 3/31/17

Job Number: 06-02882-134400-160

Weather: 35°, rain

Well Id. **LTMW-S02**

Time In: 950 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.55	
Depth to Bottom:	(feet)	17.98	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	8.43	
Volume of Water in Well:	(gal)	1.3	
Three Well Volumes:	(gal)	4.0	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	

Average Pumping Rate:	(ml/min)	250
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
955	9.38	5.65	7.71	-53.1	0.429	129	0.64	
1010	9.34	5.21	7.20	-68.2	0.658	22.0	0.23	
1025	9.35	5.37	7.12	-68.9	0.407	23.1	0.27	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☒
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☒
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☒

Sample ID: **LTMW-S02-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1030 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel:

Date: 3/31/17

Job Number: 06-02882-134400-160

Weather: 55°, rain

Well Id. **LTMW-D02**

Time In: 950 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	10.51	
Depth to Bottom:	(feet)	40.29	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	29.78	
Volume of Water in Well:	(gal)	4.7	
Three Well Volumes:	(gal)	14.2	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	250			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)				

Did well go dry? Yes ☐ No ☑

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
955	10.97	4.37	7.70	1.6	0.436	23.1	0.99	
1010	11.21	4.07	7.37	2.4	0.651	13.3	0.46	
1025	11.37	4.77	7.36	-20.3	0.707	12.6	0.38	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☒
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☒
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☒

Sample ID: **LTMW-D02-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1030 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: AS/CS
Date: 3/31/17
Job Number: 06-02882-134400-160
Weather: 36°F, rain
Well Id. **LTMW-S03**
Time In: 1200 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	2.83	
Depth to Bottom:	(feet)	13.70	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.87	
Volume of Water in Well:	(gal)	1.7	
Three Well Volumes:	(gal)	5.2	

Well Type: Flushmount [ ] Stick-Up [X]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	250			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	3			

Did well go dry? Yes [ ] No [X]

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	2.85	1.19	6.95	-38.4	0.359	61.5	0.67	
1240	2.85	1.57	6.83	-31.1	0.394	19.1	0.39	
1255	2.84	1.165	6.78	-32.0	0.411	11.2	0.31	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [X]
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes [X] No [ ]
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes [X] No [X]

Sample ID: **LTMW-S03-0317** Duplicate? Yes [ ] No [X]
Sample Time: 1300 MS/MSD? Yes [ ] No [X]

Shipped: Drop-off Syracuse Service Center [ ]
Pick-up by Syracuse Courier [ ]

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: AJ/CS
Date: 3/21/17
Job Number: 06-02882-134400-160
Weather: 36°F, rain
Well Id. **LTMW-D03**
Time In: 1200 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	4.35	
Depth to Bottom:	(feet)	40.73	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	36.38	
Volume of Water in Well:	(gal)	5.8	
Three Well Volumes:	(gal)	17.4	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	250			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	3			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1240	5.56	6.98	9.37	-128.6	0.255	29.4	7.44	
1255	6.96	7.26	10.72	-119.3	0.371	15.9	5.49	
1310	8.98	7.70	9.56	-111.3	0.663	7.4	0.79	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒	No ☒
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☒
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒	No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒	No ☒

Sample ID: **LTMW-D03-0317**
Sample Time: 1315
Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel:

Date: 3/31/17

Job Number: 06-02882-134400-160

Weather: 35 rain

Well Id. **LTMW-S04**

Time In: 1050 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	7.59	
Depth to Bottom:	(feet)	17.26	
Depth to Product:	(feet)	NA	
Length of Water Column:	(feet)	9.67	
Volume of Water in Well:	(gal)	1.54	
Three Well Volumes:	(gal)	4.64	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☒ Other:
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	250			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	3			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1100	8.23	4.05	6.64	289.6	0.195	0	0	
1115	8.23	4.16	6.37	335.5	0.331	-2.4	6.85	
1130	8.23	4.16	6.35	342.3	0.199	6.0	6.89	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-S04-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1135 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel:

Date: 3/31/17

Job Number: 06-02882-134400-160

Weather: 35 rain

Well Id. **LTMW-D04**

Time In: 1050 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	9.93	
Depth to Bottom:	(feet)	46.36	
Depth to Product:	(feet)	NA	
Length of Water Column:	(feet)	36.43	
Volume of Water in Well:	(gal)	5.82	
Three Well Volumes:	(gal)	17.49	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	250			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	3			

Did well go dry? Yes ☐ No ☒

YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1100	10.46	5.23	7.09	-70.1	0.397	26.2	0.26	
~~1105~~	~~10.25~~	~~5.23~~	~~7.09~~	~~-70.1~~	~~0.439~~	~~26.2~~	~~0.26~~	
~~1110~~ 1115	10.25	6.12	7.71	-72.4	0.562	1.2	0.52	
1130	10.21	6.13	7.72	-86.5	0.563	1.2	0.49	

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA Method 335.4	Cyanide	1 - 250 ml plastic	Yes ☒ No ☐
EPA Method 200.7	Metals	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **LTMW-D04-0317** Duplicate? Yes ☐ No ☒
Sample Time: 1135 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Pick-up by Syracuse Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

Appendix D

Analytical Data Usability Summary Report with Analytical Data

Groundwater
& Environmental Services, Inc.

708 North Main Street, Suite 201 • Blacksburg, Virginia 24060 • (866) 756 0788

April 19, 2017

Mark A. Boorady
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, New York 13057

RE: Data Usability Summary Report (DUSR) for National Grid- Rome Kingsley Avenue Site Data Packages Pace Analytical Job Nos. 30213137, 30214899, 30213134

Groundwater & Environmental Services, Inc. (GES) reviewed three data packages (Laboratory Project Numbers 30213137, 30214899, and 30213134) from Pace Analytical Services, Inc., for the analysis of an effluent sample and trip blank collected on March 9, 2017 and groundwater samples collected on March 8 and March 9, 2017 from monitoring wells located at the National Grid: Rome Kingsley Avenue Site. Sixteen aqueous samples and a field duplicate were analyzed for BTEX, PAHs, arsenic, lead, zinc, and total cyanide. One effluent system sample was processed for TCL volatiles, nine metals, mercury and total cyanide. Methodologies utilized are those of the USEPA 200.7, USEPA 335.4 and the USEPA SW846 methods 7470/8260B/8270C, with additional QC requirements of the NYSDEC ASP.

The data are reported as part of a complete full deliverable type B data validation. This usability report is generated from review of the following:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification

The items listed above which show deficiencies are discussed within the text of this narrative.

All of the other items are determined to be acceptable for the DUSR level review.

Table 1. Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
LTMW-S01-0317	R	Naphthalene	Positive Blank
LTMW-S03-0317	R	Naphthalene	Positive Blank
LTMW-S10-0317	R	Naphthalene	Positive Blank

In summary, sample results are usable as reported, with a few exceptions due to positive detections in the method blank, resulting in rejected data. Qualifications are detailed in Table 1.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times are met for groundwater and effluent samples and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. The blind field duplicate correlations of LTMW-S09-0317 fall within guidance limits.

PAHs by EPA8270D/NYSDEC ASP

Holding times are met. Instrumental tune fragmentations are within acceptance ranges. Surrogate recoveries are within analytical and validation guidelines.

Blanks show no contamination, with the exception of a positive detection of naphthalene at 0.11 µg/L in the method blank. The detection in the method blank indicates that the naphthalene concentration was introduced by the laboratory and is not representative of the sampling site. This low-level detection in the blank impacts the LTMW-S01-0313, LTMW-S10-0317 and LTM-S03-0317 naphthalene results. By EPA guidance, the concentration of an analyte found in the blank must be >5x that found in the blank to reliably be attributed to the sampling location. The naphthalene concentration in these three samples does not exceed >5x that in the blank, and thus the naphthalene positive detections are likely due to laboratory introduction. Naphthalene in these samples is therefore qualified as unusable and rejected “R”.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines. The laboratory control spike recoveries and precision indicate the method is within laboratory control. The blind field duplicate correlations of LTMW-S09-0317 fall within guidance limits.

Internal standard response is high outside specifications for the following analytes:

LTMW-D03-0317 (Lab ID: 30213134005)
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Dibenz(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

There are no detections in the samples of the above analytes, so the high internal standard response does not impact the data.

A matrix spike matrix spike duplicate (MS/MSD) analysis was performed and all data passed within laboratory specifications.

No other qualifications are necessary.

Specific analytes were reported at dilution, with other analytes reported a full concentration. Elevated reporting limits are only associated with high-level concentration analytes, and do not impact the ability to use the data to compare to regulatory standards.

Arsenic, Lead, and Zinc, and Nine Metals by EPA 200.7/EPA 245.3/NYSDEC ASP

The matrix spikes show acceptable accuracy and precision. The blind field duplicate correlations of LTMW-S09-0317 fall within guidance limits. Instrument performance is compliant, and blanks show no contamination above the reporting limit.

Wet Chemistry-Total Cyanide by EPA335.4 and pH

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All are acceptable for the validated samples. Cyanide hold times were missed for the following samples in the initial sampling run:

- LTMW-D01-0317 (Lab ID: 30213134001)
- LTMW-D02-0317 (Lab ID: 30213134003)
- LTMW-D03-0317 (Lab ID: 30213134005)
- LTMW-D04-0317 (Lab ID: 30213134007)
- LTMW-S01-0317 (Lab ID: 30213134002)
- LTMW-S02-0317 (Lab ID: 30213134004)
- LTMW-S03-0317 (Lab ID: 30213134006)
- LTMW-S04-0317 (Lab ID: 30213134008)

Re-sampling and re-analysis resulted in valid cyanide data for all the samples. No qualifications are necessary.
Calibration standard responses are compliant. Blanks show no detections above the reporting limits. The matrix spikes and/or laboratory duplicates of total cyanide show acceptable recoveries and/or correlations.

The original chain of custody (COC) as missing the request for pH analysis. Upon client request, the laboratory analyzed the samples for pH and sent results in a separate package. Delayed pH analysis is not expected to unduly impact results as the pH analysis has an EPA holding time of 15 minutes, and laboratory results are therefore always estimated.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Bonnie Janowiak, Ph.D.
Project Chemist
708 North Main Street, Suite 201
Blacksburg, VA 24060

VALIDATION DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

J The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Sample Summaries

and

Laboratory Case Narratives

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 20, 2017

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Dear Mr. Sickler:
Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rachel D Christner

Rachel Christner
rachel.christner@pacelabs.com
Project Manager

Enclosures

cc: GES Reports - Syracuse, Groundwater & Environmental Services, Inc.
Mr. Mark Boorady, Groundwater & Environmental Services, Inc.
Ms. Cheryl Golden-Walts, Groundwater & Environmental Services, Inc.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
L-A-B DOD-ELAP Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification #: PA014572015-1
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Certification
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30207893001	**LTMW-01-0117**	Water	01/11/17 13:20	01/13/17 09:40
30207893002	**LTMW-02-0117**	Water	01/11/17 10:50	01/13/17 09:40
30207893003	**LTMW-03-0117**	Water	01/11/17 11:55	01/13/17 09:40
30207893004	**LTMW-04-0117**	Water	01/11/17 12:45	01/13/17 09:40
30207893005	**LTMW-05-0117**	Water	01/11/17 13:55	01/13/17 09:40
30207893006	**LTMW-6A-0117**	Water	01/11/17 11:15	01/13/17 09:40
30207893007	**LTMW-12-0117**	Water	01/11/17 09:50	01/13/17 09:40
30207893008	**LTMW-13-0117**	Water	01/11/17 09:05	01/13/17 09:40
30207893009	**LTMW-14-0117**	Water	01/11/17 10:30	01/13/17 09:40
30207893010	**LTMW-15-0117**	Water	01/11/17 12:00	01/13/17 09:40
30207893011	**ORS-0117**	Water	01/11/17 13:50	01/13/17 09:40
30207893012	**MH-1-0117**	Water	01/11/17 12:20	01/13/17 09:40
30207893013	**Field Duplicate-0117**	Water	01/11/17 10:50	01/13/17 09:40
30207893014	**LTMW-04-0117 MS**	Water	01/11/17 12:45	01/13/17 09:40
30207893015	**LTMW-04-0117 DMS**	Water	01/11/17 12:45	01/13/17 09:40
30207893016	**Trip Blank**	Water	01/11/17 00:01	01/13/17 09:40

Pace Analytical Services, LLC
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(724)850-5600

SAMPLE ANALYTE COUNT

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30207893001	**LTMW-01-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893002	**LTMW-02-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893003	**LTMW-03-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893004	**LTMW-04-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893005	**LTMW-05-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893006	**LTMW-6A-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893007	**LTMW-12-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893008	**LTMW-13-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893009	**LTMW-14-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893010	**LTMW-15-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893011	**ORS-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893012	**MH-1-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893013	**Field Duplicate-0117**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893014	**LTMW-04-0117 MS**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893015	**LTMW-04-0117 DMS**	EPA 8270D by SIM	TMK	19	PASI-PA
		EPA 8260C	JAS	10	PASI-PA
30207893016	**Trip Blank**	EPA 8260C	JAS	10	PASI-PA

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Method: **EPA 8270D by SIM**
Description: 8270D MSSV PAH by SIM
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: January 20, 2017

General Information:
15 samples were analyzed for EPA 8270D by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: January 20, 2017

General Information:
16 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-01-0117 **Lab ID: 30207893001** Collected: 01/11/17 13:20 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:24	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 21:24	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 21:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0071	1	01/18/17 11:16	01/18/17 21:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 21:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 21:24	207-08-9	
Chrysene	ND	ug/L	0.10	0.0075	1	01/18/17 11:16	01/18/17 21:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 21:24	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 21:24	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 21:24	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 21:24	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 21:24	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 21:24	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	19-123		1	01/18/17 11:16	01/18/17 21:24	321-60-8	
Terphenyl-d14 (S)	74	%	58-130		1	01/18/17 11:16	01/18/17 21:24	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 18:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 18:21	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 18:21	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 18:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 18:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 18:21	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	84-115		1		01/17/17 18:21	2037-26-5	
4-Bromofluorobenzene (S)	109	%	81-119		1		01/17/17 18:21	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	77-126		1		01/17/17 18:21	17060-07-0	
Dibromofluoromethane (S)	94	%	70-130		1		01/17/17 18:21	1868-53-7	

Sample: LTMW-02-0117 **Lab ID: 30207893002** Collected: 01/11/17 10:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.098	0.015	1	01/18/17 11:16	01/18/17 21:41	83-32-9	
Acenaphthylene	ND	ug/L	0.098	0.014	1	01/18/17 11:16	01/18/17 21:41	208-96-8	
Anthracene	ND	ug/L	0.098	0.012	1	01/18/17 11:16	01/18/17 21:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.098	0.014	1	01/18/17 11:16	01/18/17 21:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.098	0.0069	1	01/18/17 11:16	01/18/17 21:41	50-32-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-02-0117 **Lab ID: 30207893002** Collected: 01/11/17 10:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Benzo(b)fluoranthene	ND	ug/L	0.098	0.015	1	01/18/17 11:16	01/18/17 21:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.098	0.018	1	01/18/17 11:16	01/18/17 21:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.098	0.011	1	01/18/17 11:16	01/18/17 21:41	207-08-9	
Chrysene	ND	ug/L	0.098	0.0073	1	01/18/17 11:16	01/18/17 21:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.098	0.027	1	01/18/17 11:16	01/18/17 21:41	53-70-3	
Fluoranthene	ND	ug/L	0.098	0.010	1	01/18/17 11:16	01/18/17 21:41	206-44-0	
Fluorene	ND	ug/L	0.098	0.016	1	01/18/17 11:16	01/18/17 21:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.098	0.027	1	01/18/17 11:16	01/18/17 21:41	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.098	0.020	1	01/18/17 11:16	01/18/17 21:41	91-57-6	
Naphthalene	ND	ug/L	0.098	0.017	1	01/18/17 11:16	01/18/17 21:41	91-20-3	
Phenanthrene	ND	ug/L	0.098	0.015	1	01/18/17 11:16	01/18/17 21:41	85-01-8	
Pyrene	ND	ug/L	0.098	0.012	1	01/18/17 11:16	01/18/17 21:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	19-123		1	01/18/17 11:16	01/18/17 21:41	321-60-8	
Terphenyl-d14 (S)	80	%	58-130		1	01/18/17 11:16	01/18/17 21:41	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 18:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 18:48	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 18:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 18:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 18:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 18:48	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	84-115		1		01/17/17 18:48	2037-26-5	
4-Bromofluorobenzene (S)	100	%	81-119		1		01/17/17 18:48	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	77-126		1		01/17/17 18:48	17060-07-0	
Dibromofluoromethane (S)	93	%	70-130		1		01/17/17 18:48	1868-53-7	

Sample: LTMW-03-0117 **Lab ID: 30207893003** Collected: 01/11/17 11:55 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 21:58	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 21:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/18/17 21:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 21:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 21:58	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 21:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 21:58	53-70-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-03-0117 **Lab ID: 30207893003** Collected: 01/11/17 11:55 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 21:58	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 21:58	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 21:58	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 21:58	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	19-123		1	01/18/17 11:16	01/18/17 21:58	321-60-8	
Terphenyl-d14 (S)	76	%	58-130		1	01/18/17 11:16	01/18/17 21:58	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 19:16	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 19:16	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 19:16	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 19:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 19:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 19:16	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	84-115		1		01/17/17 19:16	2037-26-5	
4-Bromofluorobenzene (S)	109	%	81-119		1		01/17/17 19:16	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	77-126		1		01/17/17 19:16	17060-07-0	
Dibromofluoromethane (S)	98	%	70-130		1		01/17/17 19:16	1868-53-7	

Sample: LTMW-04-0117 **Lab ID: 30207893004** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:16	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 22:16	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 22:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/18/17 22:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 22:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:16	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 22:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:16	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:16	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:16	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 22:16	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 22:16	91-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-04-0117 **Lab ID: 30207893004** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:16	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	19-123		1	01/18/17 11:16	01/18/17 22:16	321-60-8	
Terphenyl-d14 (S)	64	%	58-130		1	01/18/17 11:16	01/18/17 22:16	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 19:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 19:43	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 19:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 19:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 19:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 19:43	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	84-115		1		01/17/17 19:43	2037-26-5	
4-Bromofluorobenzene (S)	102	%	81-119		1		01/17/17 19:43	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	77-126		1		01/17/17 19:43	17060-07-0	
Dibromofluoromethane (S)	96	%	70-130		1		01/17/17 19:43	1868-53-7	

Sample: LTMW-05-0117 **Lab ID: 30207893005** Collected: 01/11/17 13:55 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:33	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 22:33	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:33	120-12-7	
Benzo(a)anthracene	**0.10**	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 22:33	56-55-3	
Benzo(a)pyrene	**0.13**	ug/L	0.10	0.0072	1	01/18/17 11:16	01/18/17 22:33	50-32-8	
Benzo(b)fluoranthene	**0.26**	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:33	205-99-2	ip
Benzo(g,h,i)perylene	**0.14**	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 22:33	191-24-2	
Benzo(k)fluoranthene	**0.23**	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:33	207-08-9	ip
Chrysene	**0.13**	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 22:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:33	53-70-3	
Fluoranthene	**0.18**	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:33	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:33	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 22:33	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 22:33	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:33	85-01-8	
Pyrene	**0.21**	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	19-123		1	01/18/17 11:16	01/18/17 22:33	321-60-8	
Terphenyl-d14 (S)	69	%	58-130		1	01/18/17 11:16	01/18/17 22:33	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-05-0117 **Lab ID: 30207893005** Collected: 01/11/17 13:55 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 20:11	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 20:11	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 20:11	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 20:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 20:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 20:11	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	84-115		1		01/17/17 20:11	2037-26-5	
4-Bromofluorobenzene (S)	104	%	81-119		1		01/17/17 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	77-126		1		01/17/17 20:11	17060-07-0	
Dibromofluoromethane (S)	94	%	70-130		1		01/17/17 20:11	1868-53-7	

Sample: LTMW-6A-0117 **Lab ID: 30207893006** Collected: 01/11/17 11:15 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:51	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 22:51	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:51	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 22:51	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/18/17 22:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 22:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:51	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 22:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:51	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 22:51	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:51	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 22:51	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 22:51	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:51	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	19-123		1	01/18/17 11:16	01/18/17 22:51	321-60-8	
Terphenyl-d14 (S)	68	%	58-130		1	01/18/17 11:16	01/18/17 22:51	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 20:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 20:38	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 20:38	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 20:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 20:38	179601-23-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-6A-0117 **Lab ID: 30207893006** Collected: 01/11/17 11:15 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 20:38	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	84-115		1		01/17/17 20:38	2037-26-5	
4-Bromofluorobenzene (S)	105	%	81-119		1		01/17/17 20:38	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	77-126		1		01/17/17 20:38	17060-07-0	
Dibromofluoromethane (S)	95	%	70-130		1		01/17/17 20:38	1868-53-7	

Sample: LTMW-12-0117 **Lab ID: 30207893007** Collected: 01/11/17 09:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.096	0.015	1	01/18/17 11:16	01/18/17 23:08	83-32-9	
Acenaphthylene	ND	ug/L	0.096	0.014	1	01/18/17 11:16	01/18/17 23:08	208-96-8	
Anthracene	ND	ug/L	0.096	0.012	1	01/18/17 11:16	01/18/17 23:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.096	0.014	1	01/18/17 11:16	01/18/17 23:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.096	0.0068	1	01/18/17 11:16	01/18/17 23:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.096	0.015	1	01/18/17 11:16	01/18/17 23:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.096	0.018	1	01/18/17 11:16	01/18/17 23:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.096	0.011	1	01/18/17 11:16	01/18/17 23:08	207-08-9	
Chrysene	ND	ug/L	0.096	0.0072	1	01/18/17 11:16	01/18/17 23:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.096	0.027	1	01/18/17 11:16	01/18/17 23:08	53-70-3	
Fluoranthene	ND	ug/L	0.096	0.010	1	01/18/17 11:16	01/18/17 23:08	206-44-0	
Fluorene	ND	ug/L	0.096	0.015	1	01/18/17 11:16	01/18/17 23:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.096	0.026	1	01/18/17 11:16	01/18/17 23:08	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.096	0.020	1	01/18/17 11:16	01/18/17 23:08	91-57-6	
Naphthalene	ND	ug/L	0.096	0.017	1	01/18/17 11:16	01/18/17 23:08	91-20-3	
Phenanthrene	ND	ug/L	0.096	0.015	1	01/18/17 11:16	01/18/17 23:08	85-01-8	
Pyrene	ND	ug/L	0.096	0.012	1	01/18/17 11:16	01/18/17 23:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	19-123		1	01/18/17 11:16	01/18/17 23:08	321-60-8	
Terphenyl-d14 (S)	71	%	58-130		1	01/18/17 11:16	01/18/17 23:08	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 21:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 21:05	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 21:05	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 21:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 21:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 21:05	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	84-115		1		01/17/17 21:05	2037-26-5	
4-Bromofluorobenzene (S)	105	%	81-119		1		01/17/17 21:05	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	77-126		1		01/17/17 21:05	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-12-0117 **Lab ID: 30207893007** Collected: 01/11/17 09:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		01/17/17 21:05	1868-53-7	

Sample: LTMW-13-0117 **Lab ID: 30207893008** Collected: 01/11/17 09:05 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25	83-32-9	
Acenaphthylene	ND	ug/L	0.097	0.014	1	01/18/17 11:16	01/18/17 23:25	208-96-8	
Anthracene	ND	ug/L	0.097	0.012	1	01/18/17 11:16	01/18/17 23:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.097	0.014	1	01/18/17 11:16	01/18/17 23:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.097	0.0069	1	01/18/17 11:16	01/18/17 23:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.097	0.018	1	01/18/17 11:16	01/18/17 23:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.097	0.011	1	01/18/17 11:16	01/18/17 23:25	207-08-9	
Chrysene	ND	ug/L	0.097	0.0072	1	01/18/17 11:16	01/18/17 23:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.097	0.027	1	01/18/17 11:16	01/18/17 23:25	53-70-3	
Fluoranthene	ND	ug/L	0.097	0.010	1	01/18/17 11:16	01/18/17 23:25	206-44-0	
Fluorene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.097	0.026	1	01/18/17 11:16	01/18/17 23:25	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.097	0.020	1	01/18/17 11:16	01/18/17 23:25	91-57-6	
Naphthalene	ND	ug/L	0.097	0.017	1	01/18/17 11:16	01/18/17 23:25	91-20-3	
Phenanthrene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25	85-01-8	
Pyrene	ND	ug/L	0.097	0.012	1	01/18/17 11:16	01/18/17 23:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	19-123		1	01/18/17 11:16	01/18/17 23:25	321-60-8	
Terphenyl-d14 (S)	72	%	58-130		1	01/18/17 11:16	01/18/17 23:25	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 21:33	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 21:33	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 21:33	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 21:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 21:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 21:33	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	84-115		1		01/17/17 21:33	2037-26-5	
4-Bromofluorobenzene (S)	96	%	81-119		1		01/17/17 21:33	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	77-126		1		01/17/17 21:33	17060-07-0	
Dibromofluoromethane (S)	95	%	70-130		1		01/17/17 21:33	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-14-0117 **Lab ID: 30207893009** Collected: 01/11/17 10:30 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 23:43	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 23:43	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 23:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 23:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/18/17 23:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 23:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 23:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 23:43	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 23:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 23:43	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 23:43	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 23:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 23:43	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/18/17 23:43	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/18/17 23:43	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 23:43	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 23:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	19-123		1	01/18/17 11:16	01/18/17 23:43	321-60-8	
Terphenyl-d14 (S)	76	%	58-130		1	01/18/17 11:16	01/18/17 23:43	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 22:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 22:01	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 22:01	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 22:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 22:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 22:01	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	84-115		1		01/17/17 22:01	2037-26-5	
4-Bromofluorobenzene (S)	102	%	81-119		1		01/17/17 22:01	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	77-126		1		01/17/17 22:01	17060-07-0	
Dibromofluoromethane (S)	101	%	70-130		1		01/17/17 22:01	1868-53-7	

Sample: LTMW-15-0117 **Lab ID: 30207893010** Collected: 01/11/17 12:00 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:00	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/19/17 00:00	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/19/17 00:00	50-32-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-15-0117 **Lab ID: 30207893010** Collected: 01/11/17 12:00 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 00:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:00	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/19/17 00:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:00	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:00	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:00	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 00:00	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 00:00	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:00	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	19-123		1	01/18/17 11:16	01/19/17 00:00	321-60-8	
Terphenyl-d14 (S)	72	%	58-130		1	01/18/17 11:16	01/19/17 00:00	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 22:28	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 22:28	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 22:28	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 22:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 22:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 22:28	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	84-115		1		01/17/17 22:28	2037-26-5	
4-Bromofluorobenzene (S)	108	%	81-119		1		01/17/17 22:28	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	77-126		1		01/17/17 22:28	17060-07-0	
Dibromofluoromethane (S)	100	%	70-130		1		01/17/17 22:28	1868-53-7	

Sample: ORS-0117 **Lab ID: 30207893011** Collected: 01/11/17 13:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:17	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:17	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0073	1	01/18/17 11:16	01/19/17 00:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 00:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.012	1	01/18/17 11:16	01/19/17 00:17	207-08-9	
Chrysene	ND	ug/L	0.10	0.0077	1	01/18/17 11:16	01/19/17 00:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.029	1	01/18/17 11:16	01/19/17 00:17	53-70-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: ORS-0117 **Lab ID: 30207893011** Collected: 01/11/17 13:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:17	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:17	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 00:17	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 00:17	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:17	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	19-123		1	01/18/17 11:16	01/19/17 00:17	321-60-8	
Terphenyl-d14 (S)	74	%	58-130		1	01/18/17 11:16	01/19/17 00:17	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 22:56	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 22:56	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 22:56	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 22:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 22:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 22:56	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	84-115		1		01/17/17 22:56	2037-26-5	
4-Bromofluorobenzene (S)	84	%	81-119		1		01/17/17 22:56	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	77-126		1		01/17/17 22:56	17060-07-0	
Dibromofluoromethane (S)	99	%	70-130		1		01/17/17 22:56	1868-53-7	

Sample: MH-1-0117 **Lab ID: 30207893012** Collected: 01/11/17 12:20 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:35	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:35	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0073	1	01/18/17 11:16	01/19/17 00:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 00:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.012	1	01/18/17 11:16	01/19/17 00:35	207-08-9	
Chrysene	ND	ug/L	0.10	0.0077	1	01/18/17 11:16	01/19/17 00:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.029	1	01/18/17 11:16	01/19/17 00:35	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:35	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:35	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 00:35	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 00:35	91-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: MH-1-0117 **Lab ID: 30207893012** Collected: 01/11/17 12:20 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:35	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	19-123		1	01/18/17 11:16	01/19/17 00:35	321-60-8	
Terphenyl-d14 (S)	73	%	58-130		1	01/18/17 11:16	01/19/17 00:35	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 23:23	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 23:23	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 23:23	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 23:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 23:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 23:23	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	84-115		1		01/17/17 23:23	2037-26-5	
4-Bromofluorobenzene (S)	98	%	81-119		1		01/17/17 23:23	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	77-126		1		01/17/17 23:23	17060-07-0	
Dibromofluoromethane (S)	92	%	70-130		1		01/17/17 23:23	1868-53-7	

Sample: Field Duplicate-0117 **Lab ID: 30207893013** Collected: 01/11/17 10:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:52	83-32-9	
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/19/17 00:52	208-96-8	
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 00:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16	01/19/17 00:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 00:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:52	207-08-9	
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/19/17 00:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:52	53-70-3	
Fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 00:52	206-44-0	
Fluorene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:52	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 00:52	193-39-5	
2-Methylnaphthalene	ND	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 00:52	91-57-6	
Naphthalene	ND	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 00:52	91-20-3	
Phenanthrene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:52	85-01-8	
Pyrene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	19-123		1	01/18/17 11:16	01/19/17 00:52	321-60-8	
Terphenyl-d14 (S)	77	%	58-130		1	01/18/17 11:16	01/19/17 00:52	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: Field Duplicate-0117 **Lab ID: 30207893013** Collected: 01/11/17 10:50 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 23:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 23:51	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 23:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 23:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 23:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 23:51	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	84-115		1		01/17/17 23:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%	81-119		1		01/17/17 23:51	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	77-126		1		01/17/17 23:51	17060-07-0	
Dibromofluoromethane (S)	92	%	70-130		1		01/17/17 23:51	1868-53-7	

Sample: LTMW-04-0117 MS **Lab ID: 30207893014** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	**1.4**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:10	83-32-9	
Acenaphthylene	**1.4**	ug/L	0.10	0.014	1	01/18/17 11:16	01/19/17 01:10	208-96-8	
Anthracene	**1.5**	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 01:10	120-12-7	
Benzo(a)anthracene	**1.6**	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 01:10	56-55-3	
Benzo(a)pyrene	**1.6**	ug/L	0.10	0.0072	1	01/18/17 11:16	01/19/17 01:10	50-32-8	
Benzo(b)fluoranthene	**1.6**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:10	205-99-2	
Benzo(g,h,i)perylene	**1.5**	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 01:10	191-24-2	
Benzo(k)fluoranthene	**1.5**	ug/L	0.10	0.012	1	01/18/17 11:16	01/19/17 01:10	207-08-9	
Chrysene	**1.6**	ug/L	0.10	0.0077	1	01/18/17 11:16	01/19/17 01:10	218-01-9	
Dibenz(a,h)anthracene	**1.4**	ug/L	0.10	0.029	1	01/18/17 11:16	01/19/17 01:10	53-70-3	
Fluoranthene	**1.7**	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 01:10	206-44-0	
Fluorene	**1.4**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**1.5**	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 01:10	193-39-5	
2-Methylnaphthalene	**1.2**	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 01:10	91-57-6	
Naphthalene	**1.3**	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 01:10	91-20-3	
Phenanthrene	**1.5**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:10	85-01-8	
Pyrene	**1.7**	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 01:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	19-123		1	01/18/17 11:16	01/19/17 01:10	321-60-8	
Terphenyl-d14 (S)	79	%	58-130		1	01/18/17 11:16	01/19/17 01:10	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	**20.9**	ug/L	1.0	0.16	1		01/18/17 00:46	71-43-2	
Ethylbenzene	**20.2**	ug/L	1.0	0.23	1		01/18/17 00:46	100-41-4	
Toluene	**20.4**	ug/L	1.0	0.13	1		01/18/17 00:46	108-88-3	
Xylene (Total)	**61.8**	ug/L	3.0	0.55	1		01/18/17 00:46	1330-20-7	
m&p-Xylene	**41.3**	ug/L	2.0	0.32	1		01/18/17 00:46	179601-23-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-04-0117 MS **Lab ID: 30207893014** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
o-Xylene	**20.5**	ug/L	1.0	0.22	1		01/18/17 00:46	95-47-6	
Surrogates									
Toluene-d8 (S)	106	%	84-115		1		01/18/17 00:46	2037-26-5	
4-Bromofluorobenzene (S)	101	%	81-119		1		01/18/17 00:46	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	77-126		1		01/18/17 00:46	17060-07-0	
Dibromofluoromethane (S)	100	%	70-130		1		01/18/17 00:46	1868-53-7	

Sample: LTMW-04-0117 DMS **Lab ID: 30207893015** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	**1.3**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27	83-32-9	
Acenaphthylene	**1.3**	ug/L	0.10	0.014	1	01/18/17 11:16	01/19/17 01:27	208-96-8	
Anthracene	**1.5**	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 01:27	120-12-7	
Benzo(a)anthracene	**1.6**	ug/L	0.10	0.015	1	01/18/17 11:16	01/19/17 01:27	56-55-3	
Benzo(a)pyrene	**1.6**	ug/L	0.10	0.0072	1	01/18/17 11:16	01/19/17 01:27	50-32-8	
Benzo(b)fluoranthene	**1.7**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27	205-99-2	
Benzo(g,h,i)perylene	**1.5**	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 01:27	191-24-2	
Benzo(k)fluoranthene	**1.4**	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 01:27	207-08-9	
Chrysene	**1.6**	ug/L	0.10	0.0076	1	01/18/17 11:16	01/19/17 01:27	218-01-9	
Dibenz(a,h)anthracene	**1.4**	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 01:27	53-70-3	
Fluoranthene	**1.6**	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 01:27	206-44-0	
Fluorene	**1.3**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**1.5**	ug/L	0.10	0.028	1	01/18/17 11:16	01/19/17 01:27	193-39-5	
2-Methylnaphthalene	**1.1**	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 01:27	91-57-6	
Naphthalene	**1.2**	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 01:27	91-20-3	
Phenanthrene	**1.4**	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27	85-01-8	
Pyrene	**1.6**	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 01:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	19-123		1	01/18/17 11:16	01/19/17 01:27	321-60-8	
Terphenyl-d14 (S)	77	%	58-130		1	01/18/17 11:16	01/19/17 01:27	1718-51-0	
8260C MSV	Analytical Method: EPA 8260C								
Benzene	**18.7**	ug/L	1.0	0.16	1		01/18/17 01:13	71-43-2	
Ethylbenzene	**19.0**	ug/L	1.0	0.23	1		01/18/17 01:13	100-41-4	
Toluene	**19.3**	ug/L	1.0	0.13	1		01/18/17 01:13	108-88-3	
Xylene (Total)	**58.2**	ug/L	3.0	0.55	1		01/18/17 01:13	1330-20-7	
m&p-Xylene	**38.8**	ug/L	2.0	0.32	1		01/18/17 01:13	179601-23-1	
o-Xylene	**19.3**	ug/L	1.0	0.22	1		01/18/17 01:13	95-47-6	
Surrogates									
Toluene-d8 (S)	106	%	84-115		1		01/18/17 01:13	2037-26-5	
4-Bromofluorobenzene (S)	106	%	81-119		1		01/18/17 01:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	77-126		1		01/18/17 01:13	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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ANALYTICAL RESULTS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Sample: LTMW-04-0117 DMS **Lab ID: 30207893015** Collected: 01/11/17 12:45 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		01/18/17 01:13	1868-53-7	

Sample: Trip Blank **Lab ID: 30207893016** Collected: 01/11/17 00:01 Received: 01/13/17 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C								
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 16:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 16:04	100-41-4	
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 16:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 16:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 16:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 16:04	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	84-115		1		01/17/17 16:04	2037-26-5	
4-Bromofluorobenzene (S)	109	%	81-119		1		01/17/17 16:04	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	77-126		1		01/17/17 16:04	17060-07-0	
Dibromofluoromethane (S)	90	%	70-130		1		01/17/17 16:04	1868-53-7	

Pace Analytical Services, LLC
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(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

QC Batch: 246663 Analysis Method: EPA 8260C
QC Batch Method: EPA 8260C Analysis Description: 8260C MSV UST-WATER
Associated Lab Samples: 30207893001, 30207893002, 30207893003, 30207893004, 30207893005, 30207893006, 30207893007, 30207893008, 30207893009, 30207893010, 30207893011, 30207893012, 30207893013, 30207893014, 30207893015, 30207893016

METHOD BLANK: 1212964 Matrix: Water
Associated Lab Samples: 30207893001, 30207893002, 30207893003, 30207893004, 30207893005, 30207893006, 30207893007, 30207893008, 30207893009, 30207893010, 30207893011, 30207893012, 30207893013, 30207893014, 30207893015, 30207893016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	0.16	01/17/17 15:09	
Ethylbenzene	ug/L	ND	1.0	0.23	01/17/17 15:09	
m&p-Xylene	ug/L	ND	2.0	0.32	01/17/17 15:09	
o-Xylene	ug/L	ND	1.0	0.22	01/17/17 15:09	
Toluene	ug/L	ND	1.0	0.13	01/17/17 15:09	
Xylene (Total)	ug/L	ND	3.0	0.55	01/17/17 15:09	
1,2-Dichloroethane-d4 (S)	%	90	77-126		01/17/17 15:09	
4-Bromofluorobenzene (S)	%	107	81-119		01/17/17 15:09	
Dibromofluoromethane (S)	%	94	70-130		01/17/17 15:09	
Toluene-d8 (S)	%	99	84-115		01/17/17 15:09	

LABORATORY CONTROL SAMPLE: 1212965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.9	90	69-115	
Ethylbenzene	ug/L	20	17.9	90	71-116	
m&p-Xylene	ug/L	40	36.4	91	74-118	
o-Xylene	ug/L	20	18.2	91	71-119	
Toluene	ug/L	20	18.9	94	70-115	
Xylene (Total)	ug/L	60	54.6	91	73-118	
1,2-Dichloroethane-d4 (S)	%			89	77-126	
4-Bromofluorobenzene (S)	%			106	81-119	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			106	84-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1212966 1212967

Parameter	Units	30207893004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	20.9	18.7	104	94	63-123	11	30	
Ethylbenzene	ug/L	ND	20	20	20.2	19.0	101	95	70-120	6	30	
m&p-Xylene	ug/L	ND	40	40	41.3	38.8	103	97	70-123	6	30	
o-Xylene	ug/L	ND	20	20	20.5	19.3	102	97	68-122	6	30	
Toluene	ug/L	ND	20	20	20.4	19.3	102	97	66-124	5	30	
Xylene (Total)	ug/L	ND	60	60	61.8	58.2	103	97	68-123	6	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1212966 1212967

Parameter	Units	30207893004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						93	100	77-126			
4-Bromofluorobenzene (S)	%						101	106	81-119			
Dibromofluoromethane (S)	%						100	102	70-130			
Toluene-d8 (S)	%						106	106	84-115			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

QC Batch: 246721 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3510C Analysis Description: 8270D Water PAH by SIM MSSV
Associated Lab Samples: 30207893001, 30207893002, 30207893003, 30207893004, 30207893005, 30207893006, 30207893007, 30207893008, 30207893009, 30207893010, 30207893011, 30207893012, 30207893013, 30207893014, 30207893015

METHOD BLANK: 1213267 Matrix: Water
Associated Lab Samples: 30207893001, 30207893002, 30207893003, 30207893004, 30207893005, 30207893006, 30207893007, 30207893008, 30207893009, 30207893010, 30207893011, 30207893012, 30207893013, 30207893014, 30207893015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Methylnaphthalene	ug/L	ND	0.10	0.021	01/18/17 19:22	
Acenaphthene	ug/L	ND	0.10	0.016	01/18/17 19:22	
Acenaphthylene	ug/L	ND	0.10	0.014	01/18/17 19:22	
Anthracene	ug/L	ND	0.10	0.012	01/18/17 19:22	
Benzo(a)anthracene	ug/L	ND	0.10	0.014	01/18/17 19:22	
Benzo(a)pyrene	ug/L	ND	0.10	0.0071	01/18/17 19:22	
Benzo(b)fluoranthene	ug/L	ND	0.10	0.016	01/18/17 19:22	
Benzo(g,h,i)perylene	ug/L	ND	0.10	0.019	01/18/17 19:22	
Benzo(k)fluoranthene	ug/L	ND	0.10	0.011	01/18/17 19:22	
Chrysene	ug/L	ND	0.10	0.0075	01/18/17 19:22	
Dibenz(a,h)anthracene	ug/L	ND	0.10	0.028	01/18/17 19:22	
Fluoranthene	ug/L	ND	0.10	0.010	01/18/17 19:22	
Fluorene	ug/L	ND	0.10	0.016	01/18/17 19:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	0.027	01/18/17 19:22	
Naphthalene	ug/L	ND	0.10	0.018	01/18/17 19:22	
Phenanthrene	ug/L	ND	0.10	0.015	01/18/17 19:22	
Pyrene	ug/L	ND	0.10	0.012	01/18/17 19:22	
2-Fluorobiphenyl (S)	%	61	19-123		01/18/17 19:22	
Terphenyl-d14 (S)	%	72	58-130		01/18/17 19:22	

LABORATORY CONTROL SAMPLE: 1213268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	2	1.3	64	47-103	
Acenaphthene	ug/L	2	1.4	70	48-104	
Acenaphthylene	ug/L	2	1.4	70	44-109	
Anthracene	ug/L	2	1.4	70	49-112	
Benzo(a)anthracene	ug/L	2	1.3	65	63-109	
Benzo(a)pyrene	ug/L	2	1.3	67	51-98	
Benzo(b)fluoranthene	ug/L	2	1.4	71	41-139	
Benzo(g,h,i)perylene	ug/L	2	1.4	68	44-124	
Benzo(k)fluoranthene	ug/L	2	1.4	69	58-125	
Chrysene	ug/L	2	1.5	74	62-115	
Dibenz(a,h)anthracene	ug/L	2	1.4	68	55-124	
Fluoranthene	ug/L	2	1.4	72	65-112	
Fluorene	ug/L	2	1.4	68	49-108	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

LABORATORY CONTROL SAMPLE: 1213268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	68	54-125	
Naphthalene	ug/L	2	1.4	69	42-107	
Phenanthrene	ug/L	2	1.4	69	50-109	
Pyrene	ug/L	2	1.4	72	64-109	
2-Fluorobiphenyl (S)	%			65	19-123	
Terphenyl-d14 (S)	%			74	58-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1213269 1213270

Parameter	Units	30207893004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Methylnaphthalene	ug/L	ND	2	2	1.2	1.1	59	56	47-103	6	20	
Acenaphthene	ug/L	ND	2	2	1.4	1.3	67	64	48-104	6	20	
Acenaphthylene	ug/L	ND	2	2	1.4	1.3	68	65	44-109	5	20	
Anthracene	ug/L	ND	2	2	1.5	1.5	74	72	49-112	4	20	
Benzo(a)anthracene	ug/L	ND	2	2	1.6	1.6	77	75	63-109	2	20	
Benzo(a)pyrene	ug/L	ND	2	2	1.6	1.6	77	75	51-98	2	20	
Benzo(b)fluoranthene	ug/L	ND	2	2	1.6	1.7	73	80	41-139	7	20	
Benzo(g,h,i)perylene	ug/L	ND	2	2	1.5	1.5	72	70	44-124	2	20	
Benzo(k)fluoranthene	ug/L	ND	2	2	1.5	1.4	71	63	58-125	11	20	
Chrysene	ug/L	ND	2	2	1.6	1.6	78	76	62-115	3	20	
Dibenz(a,h)anthracene	ug/L	ND	2	2	1.4	1.4	70	70	55-124	1	20	
Fluoranthene	ug/L	ND	2	2	1.7	1.6	79	77	65-112	4	20	
Fluorene	ug/L	ND	2	2	1.4	1.3	67	63	49-108	6	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	2	2	1.5	1.5	72	71	54-125	2	20	
Naphthalene	ug/L	ND	2	2	1.3	1.2	61	58	42-107	7	20	
Phenanthrene	ug/L	ND	2	2	1.5	1.4	70	67	50-109	5	20	
Pyrene	ug/L	ND	2	2	1.7	1.6	79	76	64-109	4	20	
2-Fluorobiphenyl (S)	%						60	56	19-123		20	
Terphenyl-d14 (S)	%						79	77	58-130		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

ip	Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 Method 8270D. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Saratoga Sprin
Pace Project No.: 30207893

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30207893001	**LTMW-01-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893002	**LTMW-02-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893003	**LTMW-03-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893004	**LTMW-04-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893005	**LTMW-05-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893006	**LTMW-6A-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893007	**LTMW-12-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893008	**LTMW-13-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893009	**LTMW-14-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893010	**LTMW-15-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893011	**ORS-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893012	**MH-1-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893013	**Field Duplicate-0117**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893014	**LTMW-04-0117 MS**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893015	**LTMW-04-0117 DMS**	EPA 3510C	246721	EPA 8270D by SIM	246845
30207893001	**LTMW-01-0117**	EPA 8260C	246663		
30207893002	**LTMW-02-0117**	EPA 8260C	246663		
30207893003	**LTMW-03-0117**	EPA 8260C	246663		
30207893004	**LTMW-04-0117**	EPA 8260C	246663		
30207893005	**LTMW-05-0117**	EPA 8260C	246663		
30207893006	**LTMW-6A-0117**	EPA 8260C	246663		
30207893007	**LTMW-12-0117**	EPA 8260C	246663		
30207893008	**LTMW-13-0117**	EPA 8260C	246663		
30207893009	**LTMW-14-0117**	EPA 8260C	246663		
30207893010	**LTMW-15-0117**	EPA 8260C	246663		
30207893011	**ORS-0117**	EPA 8260C	246663		
30207893012	**MH-1-0117**	EPA 8260C	246663		
30207893013	**Field Duplicate-0117**	EPA 8260C	246663		
30207893014	**LTMW-04-0117 MS**	EPA 8260C	246663		
30207893015	**LTMW-04-0117 DMS**	EPA 8260C	246663		
30207893016	**Trip Blank**	EPA 8260C	246663		

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CHAIN ... ent

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WO# : 30207893

30207893

Page: 1 of 2

Section A
Required Client Information:

Company: GES - Syracuse	
Address: 5 Technology Place, Suite 4	
East Syracuse, New York 13057	
Email To: rsickler@gesonline.com	
Phone: 800.220.3069 x4052	Fax: None
Requested Due Date/TAT: Standard	

Section B
Required Project Information:

Report To: Robert N. Sickler (GES) rsickler@gesonline.com	
Copy To:	
Purchase Order No.:	
Project Name: National Grid - Saratoga Springs-Excelsior Avenue Site	
Project Number: 06-02882-128660-221-1106	

Section C
Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com
Company Name: Groundwater & Environmental Services, Inc.
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
Pace Quote Reference:
Pace Project Manager: Rachel Christner
Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER_____

SITE LOCATION: GA IL IN MI NC OH SC WI OTHER___

Section D **Required** Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C)	PAH SVOCs (8270D)	Pace Project Number / Lab I.D.
1	LTMW-01-0117	WT	G			1/11/17	1320		5	2			3					3	2	001
2	LTMW-02-0117	WT	G				1020		5	2			3					3	2	002
3	LTMW-03-0117	WT	G				1155		5	2			3					3	2	003
4	LTMW-04-0117	WT	G				1245		5	2			3					3	2	004
5	LTMW-05-0117	WT	G				1355		5	2			3					3	2	005
6	LTMW-6A-0117	WT	G				1115		5	2			3					3	2	006
7	LTMW-12-0117	WT	G				0950		5	2			3					3	2	007
8	LTMW-13-0117	WT	G				0905		5	2			3					3	2	008
9	LTMW-14-0117	WT	G				1030		5	2			3					3	2	009
10	LTMW-15-0117	WT	G				1200		5	2			3					3	2	010
11	ORS-0117	WT	G				1350		5	2			3					3	2	011
12	MH-1-0117	WT	G			↓	1220		5	2			3					3	2	012

Additional Comments:

SAMPLES WILL ARRIVE IN # 4 COOLERS.

Please send reports to: rsickler@gesonline.com,
Syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:
NGSSExcelsior-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	1/11/17	17:20	Jeremy PACE	1/12/17	9:15	
Jeremy PACE	1/14/17	17:00		1-13-17	940	COUT

SAMPLER NAME AND SIGNATURE	Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)				

ML 1-13-17

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

30207893

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GES - Syracuse	Report To: Robert N. Sickler (GES) rsickler@gesonline.com	Attention: Accounts Payable via email at ges-invoices@gesonline.com
Address: 5 Technology Place, Suite 4	Copy To:	Company Name: Groundwater & Environmental Services, Inc.
East Syracuse, New York 13057		Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
Email To: rsickler@gesonline.com	Purchase Order No.:	Pace Quote Reference:
Phone: 800.220.3069 x4052 Fax: None	Project Name: National Grid - Saratoga Springs-Excelsior Avenue Site	Pace Project Manager: Rachel Christner
Requested Due Date/TAT: Standard	Project Number: 06-02882-128660-221-1106	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: GA IL IN MI NC OH SC WI OTHER____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C)	PAH SVOCs (8270D)	Pace Project Number / Lab I.D.
1	Field Duplicate-0117	WT	G			1/11/17	1030		5	2			3					3	2	013
2	LTMW-04-0117 MS	WT	G				1245		5	2			3					3	2	014
3	LTMW-04-0117 DMS	WT	G				1245		5	2			3					3	2	015
4	Trip Blank	WT	Lab						3				3					3		016
5	---END OF RECORD---																			
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

SAMPLES WILL ARRIVE IN # 4 COOLERS.

Please send reports to: rsickler@gesonline.com, syracuselabs@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGSSExcelsior-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	1/11/17		PACE	1/12/17	9:15		Y/N	Y/N	Y/N
PACE	1/12/17	12:0		1-13-17	940	SRUR	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Sample Condition Upon Receipt Pittsburgh

Pace Analytical

Client Name: GES Project # 30207893

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7781 6223 3634

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Thermometer Used 7 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.1 °C Correction Factor: -0.1 °C Final Temp: 3.2 °C

3.0
1.0
3.5
3.2

Temp should be above freezing to 6°C

1.1
0.6
3.5

Date and Initials of person examining contents: ML 1-13-17

Comments:	Yes	No	N/A	
Chain of Custody Present:	X			1.
Chain of Custody Filled Out:	X			2.
Chain of Custody Relinquished:	X			3.
Sampler Name & Signature on COC:	X			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	X			5.
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used: -Pace Containers Used:	X			10.
Containers Intact: ML 1-13-17	X	X		11. 2 tip blanks broke. there are 2 left.
Orthophosphate field filtered		X		12.
Organic Samples checked for dechlorination:	X			13.
Filtered volume received for Dissolved tests			X	14.
All containers have been checked for preservation. All containers needing preservation are found to be in compliance with EPA recommendation.			X	15.
exceptions: (VOA), coliform, TOC, O&G, Phenolics				Initial when completed ML Date/time of preservation; Lot # of added preservative
Headspace in VOA Vials (>6mm):		X		16.
Trip Blank Present:	X			17.
Trip Blank Custody Seals Present	X			
Rad Aqueous Samples Screened > 0.5 mrem/hr		X		Initial when completed: ML Date: 1-13-17

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.