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.

Ms. Alexandra Servis April 26, 2017 Page 2 of 2

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

Very truly yours,

for SPS

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:



5 Technology Place, Suite 4 East Syracuse, NY 13057

Table of Contents

Section 1 Introduction	
1.1 Introduction	1-1
1.2 Site Description	1-2
1.3 Site History	1-2
Section 2 Operation, Maintenance, and Monitoring Activities	2-1
2.1 Quarterly Site Inspection	2-1
2.2 Quarterly Static Water Level Measurements	
2.3 Quarterly Groundwater Monitoring Event	2-1
2.4 Quarterly Light Non-aqueous Phase Liquid and Dense Non-aqueous Phase Liquid	
Monitoring/Collection Event	2-2
2.5 Quarterly Groundwater Extraction System Discharge Sampling Event	2-3
2.6 Groundwater Extraction System Discharge Flow and Operation, Maintenance, and	
Monitoring	2-3
2.7 Vegetation Management and Snow Removal	2-4
Section 3 Conclusions, Recommendations, and Certifications	
3.1Conclusions	3-1
3.2 Recommendations	3-1
3.3 Certifications	3-2

Tables

Table 2-1 Site Monitoring Wells

Table 2-2 Static Water Level Data

Table 2-3 Groundwater Analytical Data

Table 2-4 GW Extraction System Discharge

Figures

Figure 1-1 Site Location Map

Figure 1-2 Site Map

Figure 1-3 Site Map – West

Figure 1-4 Site Map - East

Figure 2-1 Barrier Wall Profile

Appendices

Appendix A Field Inspection Report

Appendix B Quarterly Gauging Data

Appendix C Groundwater Sampling Field Measurements

Appendix D Analytical Data Usability Summary Report with Analytical Data



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-0U2-1, MW-0U2-4, 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 \sim 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 2 nd Quarter	3,593,500	
2016 3rd Quarter	3,157,820	
2016 4 ^{tn} Quarter	3,438,790	
2017 1 st 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.

Signature	Date
Name: Mark A. Boorady, P.E.	
Title: Senior Engineer	

Company: Groundwater & Environmental Services, Inc.



Tables



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-0U2-1	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 Quarterly Inspection; Quarterly Static Water Level
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	Measurement Quarterly Inspection; Quarterly Static Water Level
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	Measurement (Surveyed in January 2014) Quarterly Inspection; Quarterly Static Water Level
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	Measurement (Surveyed in January 2014) Quarterly Inspection; Quarterly Static Water Level
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	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 Quarterly Inspection; Quarterly Static Water Level
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	Measurement; DNAPL Monitoring/Collection Quarterly Inspection; Quarterly Static Water Level
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	Measurement; DNAPL Monitoring/Collection Quarterly Inspection; Quarterly Static Water Level
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	Measurement; DNAPL Monitoring/Collection Quarterly Inspection; Quarterly Static Water Level
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	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 Quarterly Inspection; Quarterly Static Water Level
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	Measurement; Quarterly Sampling Quarterly Inspection; Quarterly Static Water Level
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	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 Quarterly Inspection; Quarterly Static Water Level
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	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.

January 31, 2017 Page 1 of 1



Table 2-2Static 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	1
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:										·				

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet



Table 2-2Static Water Level Data

Well:	DNA	PL-02	Well:	DNA	PL-03	Well:	DNA	PL-04	Well:	DNA	PL-05
TOC = 4	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	428.4
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	427.7
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	427.5
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.
3/19/2012	9.02	427.79	3/19/2012	9.35	427.88	3/19/2012	10.69	427.81	3/19/2012	12.74	427.8
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	427.30
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	426.70
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	427.1
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	427.3
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	428.6
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	426.9
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	428.1
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	427.0
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.
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	427.7
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	428.5
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	428.30
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	427.0
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	427.5
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.
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	427.4
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	427.3
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	428.6
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	428.0
Votes:			<u>i</u>						<u> </u>		

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet



Table 2-2Static Water Level Data

TOC = 4: Date 3/29/2011 6/13/2011 9/26/2011 12/5/2011 3/19/2012 6/18/2012 9/12/2012	39.71 DTW 11.12 11.94 10.18 12.28 11.84 12.28 12.91	Water El. 428.59 427.77 429.53 427.43 427.87 427.43	3/29/2011 6/13/2011 9/26/2011	441.46 DTW 12.25 12.84 12.86 12.88	Water El. 429.21 428.62 428.6	TOC = Date 3/29/2011 6/13/2011	DTW 12.66	Water El. 429.14	TOC = Date 3/29/2011	442.63 DTW	Water El.
3/29/2011 6/13/2011 9/26/2011 12/5/2011 3/19/2012 6/18/2012	11.12 11.94 10.18 12.28 11.84 12.28	428.59 427.77 429.53 427.43 427.87	3/29/2011 6/13/2011 9/26/2011 12/5/2011	12.25 12.84 12.86	429.21 428.62	3/29/2011	12.66	429.14			
6/13/2011 9/26/2011 12/5/2011 3/19/2012 6/18/2012	11.94 10.18 12.28 11.84 12.28	427.77 429.53 427.43 427.87	6/13/2011 9/26/2011 12/5/2011	12.84 12.86	428.62				3/29/2011	13.75	428.88
9/26/2011 12/5/2011 3/19/2012 6/18/2012	10.18 12.28 11.84 12.28	429.53 427.43 427.87	9/26/2011 12/5/2011	12.86		6/13/2011	10.05				7∠0.00
12/5/2011 3/19/2012 6/18/2012	12.28 11.84 12.28	427.43 427.87	12/5/2011		428.6		13.27	428.53	6/13/2011	14.14	428.49
3/19/2012 6/18/2012	11.84 12.28	427.87		12.88	720.0	9/26/2011	13.35	428.45	9/26/2011	14.25	428.38
6/18/2012	12.28		3/19/2012	12.00	428.58	12/5/2011	13.36	428.44	12/5/2011	14.28	428.35
		427.43		12.61	428.85	3/19/2012	13.95	427.85	3/19/2012	13.05	429.58
9/12/2012	12.91		6/18/2012	13.11	428.35	6/18/2012	13.56	428.24	6/18/2012	14.47	428.16
		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 2-2Static Water Level Data

Well:	VTM-1	·	Well:	VTM-2		Well:	VTM-3		Well:	VTM-4		Well:	VTM-5	
TOC =	439.74		TOC =	438.33		TOC =	439.44		TOC =	441.59		TOC =	441.79	
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



Table 2-2 Static Water Level Data

		W-D01		W-S01		W-D02		W-S02		W-D03		W-S03		W-D04		W-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.														
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



Table 2-2Static Water Level Data

	LTM	W-D05	LTM	W-S05	LTM	W-D06	LTM	W-S06	LTM	W-S07	LTM	W-S08	LTM	W-S09	LTM	IW-S10
	TOC =	437.78	TOC =	437.92	TOC =	441.70	TOC =	441.64	TOC =	439.70	TOC =	443.81	TOC =	439.79	TOC =	439.67
Date	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

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	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										
Benzo(a)anthracene	N/A	0.002	4.9	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										
Benzo(b)fluoranthene	N/A	0.002	4.9	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										
Benzo(k)fluoranthene	N/A	0.002	4.9	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										
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										
Fluoranthene	N/A	50	4.9	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	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										
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										
Pyrene	N/A	50	4.9	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										
Lead	N/A	25	5	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										

January 31, 2017 Page 1 of 16

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	3600	ND	ND	ND														
Toluene	1000	5	1	ND	470	ND	ND	ND																
Ethylbenzene	700	5	1	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										
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	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										
Benzo(a)pyrene	N/A	ND	4.9	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										
Benzo(g,h,i)perylene	0.2	NA	4.9	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										
Chrysene	N/A	0.002	4.9	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										
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										
Naphthalene	N/A	10	4.9	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										
Lead	N/A	25	5	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND	ND										
Zinc	N/A	N/A	10	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND										

January 31, 2017 Page 2 of 16

GES

Table 2-3 Groundwater Analytical Data

Sample Well Number LTMW-D02

Parameter	EPA - Maximum Allowable	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										
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										
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	0.83	0.43	0.39										
Anthracene	N/A	NA	4.9	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										
Benzo(a)pyrene	N/A	ND	4.9	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										
Benzo(g,h,i)perylene	0.2	NA	4.9	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										
Chrysene	N/A	0.002	4.9	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										
Fluoranthene	N/A	50	4.9	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										
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	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										
Pyrene	N/A	50	4.9	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	11	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND							
Zinc	N/A	N/A	10	ND	83	ND	ND	0.021	ND	22	110	11	13	61	ND	ND	ND							



GES

Sample Well Number LTMW-S02

Parameter	EPA - Maximum Allowable	NYSDEC AWQS	Reporting Level																					
	(ug/L)	(ug/l)	(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-	3-Mar-17
Benzene	5	1	1	ND	ND																			
Toluene	1000	5	1	ND	ND																			
Ethylbenzene	700	5	1	ND	ND																			
Xylene (total)	10000	5	2	ND	ND																			
Acenaphthene	N/A	20	4.9	ND	ND																			
Acenaphthylene	N/A	NA	4.9	ND	ND																			
Anthracene	N/A	NA	4.9	ND	ND																			
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND																			
Benzo(a)pyrene	N/A	ND	4.9	ND	ND																			
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND																			
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND																			
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND																			
Chrysene	N/A	0.002	4.9	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																			
Fluoranthene	N/A	50	4.9	ND	ND																			
Fluorene	N/A	0.002	4.9	ND	ND																			
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND																			
Naphthalene	N/A	10	4.9	ND	0.15	ND	ND																	
Phenanthrene	N/A	50	4.9	ND	ND																			
Pyrene	N/A	50	4.9	ND	ND																			
Arsenic	N/A	25	10	25	25	25	ND	15	15	5.1	ND	7.7												
Lead	N/A	25	5	ND	ND																			
Zinc	N/A	N/A	10	30	30	30	ND	ND																

.

Table 2-3 Groundwater Analytical Data

GES

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	0.43	ND	0.42																	
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	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																				
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	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																				
Lead	N/A	25	5	ND																				
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	0.11	0.11	ND	ND	ND	ND	0.01	ND								



Sample Well Number LTMW-S03

Parameter	EPA - Maximum Allowable	NYSDEC AWQS (ug/l)	Reporting Level																					
	(ug/L)	(ug/1)	(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							04-Mar-16	09-Jun-16		07-Dec-16 08-1	
Benzene	5	1	1	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									
Ethylbenzene	700	5	1	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									
Acenaphthene	N/A	20	4.9	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									
Anthracene	N/A	NA	4.9	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									
Benzo(a)pyrene	N/A	ND	4.9	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									
Benzo(g,h,i)perylene	0.2	NA	4.9	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									
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Cyanide	N/A	200	10	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									
Fluoranthene	N/A	50	4.9	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	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									
Naphthalene	N/A	10	4.9	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	0.11									
Pyrene	N/A	50	4.9	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									
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

January 31, 2017 Page 6 of 16



Sample Well Number LTMW-D04

Parameter	EPA - Maximum Allowable	NYSDEC AWQS	Reporting Level																				
	(ug/L)	(ug/l)	(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																		
Toluene	1000	5	1	ND	ND ND																		
Ethylbenzene	700	5	1	ND	ND ND																		
Xylene (total)	10000	5	2	ND	ND ND																		
Acenaphthene	N/A	20	4.9	ND	ND ND																		
Acenaphthylene	N/A	NA	4.9	ND		ND ND																	
Anthracene	N/A	NA	4.9	ND		ND ND																	
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND ND																		
Benzo(a)pyrene	N/A	ND	4.9	ND	ND ND																		
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND ND																		
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND ND																		
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND ND																		
Chrysene	N/A	0.002	4.9	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																		
Fluoranthene	N/A	50	4.9	ND	ND ND																		
Fluorene	N/A	0.002	4.9	ND	ND ND																		
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND		ND ND																	
Naphthalene	N/A	10	4.9	ND	ND ND																		
Phenanthrene	N/A	50	4.9	ND	ND ND																		
Pyrene	N/A	50	4.9	ND		ND ND																	
Arsenic	N/A	25	10	ND	ND	ND	ND	ND	ND	10	ND		ND ND										
Lead	N/A	25	5	ND	ND	ND	ND	ND	ND	5.8	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

January 31, 2017 Page 7 of 16



Sample Well Number LTMW-S04

Parameter	EPA - Maximum Allowable	NYSDEC AWQS	Reporting Level (ug/L)																				
	(ug/L)	(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																		
Toluene	1000	5	1	ND	ND																		
Ethylbenzene	700	5	1	ND	ND																		
Xylene (total)	10000	5	2	ND	ND																		
Acenaphthene	N/A	20	4.9	ND	ND																		
Acenaphthylene	N/A	NA	4.9	ND	ND																		
Anthracene	N/A	NA	4.9	ND	ND																		
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND																		
Benzo(a)pyrene	N/A	ND	4.9	ND	ND																		
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND																		
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND																		
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND																		
Chrysene	N/A	0.002	4.9	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																		
Fluoranthene	N/A	50	4.9	ND	ND																		
Fluorene	N/A	0.002	4.9	ND	ND																		
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND																		
Naphthalene	N/A	10	4.9	ND	ND																		
Phenanthrene	N/A	50	4.9	ND	ND																		
Pyrene	N/A	50	4.9	ND	ND																		
Arsenic	N/A	25	10	ND	ND																		
Lead	N/A	25	5	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

January 31, 2017 Page 8 of 16

GES

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 0	08-Mar-17
Benzene	5	1	1	ND	ND																			
Toluene	1000	5	1	ND	ND																			
Ethylbenzene	700	5	1	ND	ND																			
Xylene (total)	10000	5	2	ND	ND																			
Acenaphthene	N/A	20	4.9	ND	ND																			
Acenaphthylene	N/A	NA	4.9	ND	ND																			
Anthracene	N/A	NA	4.9	ND	ND																			
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND																			
Benzo(a)pyrene	N/A	ND	4.9	ND	ND																			
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND																			
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND																			
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND																			
Chrysene	N/A	0.002	4.9	ND	ND																			
Cyanide	N/A	200	10	ND	ND	ND	ND	10	ND	ND	ND	140	ND	13	ND	ND	ND							
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND																			
Fluoranthene	N/A	50	4.9	ND	ND																			
Fluorene	N/A	0.002	4.9	ND	ND																			
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND																			
Naphthalene	N/A	10	4.9	ND	ND																			
Phenanthrene	N/A	50	4.9	ND	ND																			
Pyrene	N/A	50	4.9	ND	ND																			
Arsenic	N/A	25	10	ND	ND																			
Lead	N/A	25	5	ND	ND																			
Zinc	N/A	N/A	10	ND	39	ND	ND	0.013	ND	ND														

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	5800																		
Toluene	1000	5	1	ND	ND	1320																		
Ethylbenzene	700	5	1	ND	ND	145																		
Xylene (total)	10000	5	2	ND	ND	206																		
Acenaphthene	N/A	20	4.9	ND	ND	0.19																		
Acenaphthylene	N/A	NA	4.9	ND	ND	0.31																		
Anthracene	N/A	NA	4.9	ND	ND	ND																		
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND																		
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND																		
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND																		
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND																		
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND																		
Chrysene	N/A	0.002	4.9	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																		
Fluoranthene	N/A	50	4.9	ND	ND	ND																		
Fluorene	N/A	0.002	4.9	ND	ND	0.15																		
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND																		
Naphthalene	N/A	10	4.9	ND	ND	ND																		
Phenanthrene	N/A	50	4.9	ND	ND	ND																		
Pyrene	N/A	50	4.9	ND	ND	ND																		
Arsenic	N/A	25	10	ND	ND	ND																		
Lead	N/A	25	5	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

January 31, 2017 Page 10 of 16

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																				
Toluene	1000	5	1	ND																				
Ethylbenzene	700	5	1	ND																				
Xylene (total)	10000	5	2	ND																				
Acenaphthene	N/A	20	4.9	ND																				
Acenaphthylene	N/A	NA	4.9	ND																				
Anthracene	N/A	NA	4.9	ND																				
Benzo(a)anthracene	N/A	0.002	4.9	ND																				
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	ND																				
Cyanide	N/A	200	10	ND	ND	ND	34	ND	0.092	ND														
Dibenzo(a,h)anthracene	N/A	50	4.9	ND																				
Fluoranthene	N/A	50	4.9	ND																				
Fluorene	N/A	0.002	4.9	ND																				
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND																				
Naphthalene	N/A	10	4.9	ND																				
Phenanthrene	N/A	50	4.9	ND																				
Pyrene	N/A	50	4.9	ND	8.1																			
Arsenic	N/A	25	10	ND	14	ND	0.64	ND	ND															
Lead	N/A	25	5	ND																				
Zinc	N/A	N/A	10	ND	12	ND	ND	ND	0.015	ND														

January 31, 2017 Page 11 of 16

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																		
Toluene	1000	5	1	ND	ND	ND																		
Ethylbenzene	700	5	1	ND	ND	ND																		
Xylene (total)	10000	5	2	ND	ND	ND																		
Acenaphthene	N/A	20	4.9	ND	ND	ND																		
Acenaphthylene	N/A	NA	4.9	ND	ND	ND																		
Anthracene	N/A	NA	4.9	ND	ND	ND																		
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND																		
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND																		
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND																		
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND																		
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND																		
Chrysene	N/A	0.002	4.9	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																		
Fluoranthene	N/A	50	4.9	ND	ND	ND																		
Fluorene	N/A	0.002	4.9	ND	ND	ND																		
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND																		
Naphthalene	N/A	10	4.9	ND	ND	ND																		
Phenanthrene	N/A	50	4.9	ND	ND	ND																		
Pyrene	N/A	50	4.9	ND	ND	ND																		
Arsenic	N/A	25	10	ND	9.0	ND																		
Lead	N/A	25	5	ND	ND	ND																		
Zinc	N/A	N/A	10	ND	0.01	0.01	ND	ND	ND	18	ND	ND	ND	ND										

January 31, 2017 Page 12 of 16

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																				
Toluene	1000	5	1	ND																				
Ethylbenzene	700	5	1	ND																				
Xylene (total)	10000	5	2	ND																				
Acenaphthene	N/A	20	4.9	ND																				
Acenaphthylene	N/A	NA	4.9	ND																				
Anthracene	N/A	NA	4.9	ND																				
Benzo(a)anthracene	N/A	0.002	4.9	ND																				
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	ND																				
Cyanide	N/A	200	10	ND	ND	13	13	ND																
Dibenzo(a,h)anthracene	N/A	50	4.9	ND																				
Fluoranthene	N/A	50	4.9	ND																				
Fluorene	N/A	0.002	4.9	ND																				
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND																				
Naphthalene	N/A	10	4.9	ND																				
Phenanthrene	N/A	50	4.9	ND																				
Pyrene	N/A	50	4.9	ND																				
Arsenic	N/A	25	10	ND																				
Lead	N/A	25	5	ND																				
Zinc	N/A	N/A	10	ND	ND			ND			ND		ND											

January 31, 2017 Page 13 of 16

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	5.5	ND	ND	ND	ND	2.4	ND													
Toluene	1000	5	1	ND																				
Ethylbenzene	700	5	1	ND																				
Xylene (total)	10000	5	2	ND																				
Acenaphthene	N/A	20	4.9	ND																				
Acenaphthylene	N/A	NA	4.9	ND																				
Anthracene	N/A	NA	4.9	ND																				
Benzo(a)anthracene	N/A	0.002	4.9	ND																				
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	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																				
Fluoranthene	N/A	50	4.9	ND																				
Fluorene	N/A	0.002	4.9	ND																				
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND																				
Naphthalene	N/A	10	4.9	ND	0.12	ND																		
Phenanthrene	N/A	50	4.9	ND																				
Pyrene	N/A	50	4.9	ND																				
Arsenic	N/A	25	10	ND																				
Lead	N/A	25	5	ND																				
Zinc	N/A	N/A	10	ND																				

January 31, 2017 Page 14 of 16

Table 2-3 Groundwater Analytical Data

Sample Well Number LTMW-S09

	EPA -	NYSDEC	Reporting																					
Parameter	Maximum Allowable	AWQS	Level																					
	(ug/L)	(ug/l)	(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																				
Toluene	1000	5	1	ND																				
Ethylbenzene	700	5	1	ND																				
Xylene (total)	10000	5	2	ND																				
Acenaphthene	N/A	20	4.9	ND																				
Acenaphthylene	N/A	NA	4.9	ND																				
Anthracene	N/A	NA	4.9	ND																				
Benzo(a)anthracene	N/A	0.002	4.9	ND																				
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	ND																				
Cyanide	N/A	200	10	ND																				
Dibenzo(a,h)anthracene	N/A	50	4.9	ND																				
Fluoranthene	N/A	50	4.9	ND																				
Fluorene	N/A	0.002	4.9	ND																				
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND																				
Naphthalene	N/A	10	4.9	ND																				
Phenanthrene	N/A	50	4.9	ND																				
Pyrene	N/A	50	4.9	ND																				
Arsenic	N/A	25	10	ND																				
Lead	N/A	25	5	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

January 31, 2017 Page 15 of 16

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																				
Toluene	1000	5	1	ND																				
Ethylbenzene	700	5	1	1.1	ND	1.6	ND																	
Xylene (total)	10000	5	2	1.1	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	0.91	0.96	0.2																	
Anthracene	N/A	NA	4.9	ND	0.17	0.12	0.12																	
Benzo(a)anthracene	N/A	0.002	4.9	ND																				
Benzo(a)pyrene	N/A	ND	4.9	ND																				
Benzo(b)fluoranthene	N/A	0.002	4.9	ND																				
Benzo(g,h,i)perylene	0.2	NA	4.9	ND																				
Benzo(k)fluoranthene	N/A	0.002	4.9	ND																				
Chrysene	N/A	0.002	4.9	ND																				
Cyanide	N/A	200	10	ND																				
Dibenzo(a,h)anthracene	N/A	50	4.9	ND																				
Fluoranthene	N/A	50	4.9	ND	2.1	1.5	0.5																	
Fluorene	N/A	0.002	4.9	ND	1.5	1.1	0.17																	
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND																				
Naphthalene	N/A	10	4.9	100	77	ND	ND	64	ND	17	ND	5.1	60	ND	0.2									
Phenanthrene	N/A	50	4.9	ND	1.4	0.94	ND																	
Pyrene	N/A	50	4.9	ND	2.6	1.9	0.45																	
Arsenic	N/A	25	10	ND																				
Lead	N/A	25	5	ND																				
Zinc	N/A	N/A	10	ND	180	ND	0.011	0.011	ND															

January 31, 2017 Page 16 of 16

National Grid Kingsley Avenue Site Rome, New York

GES

Table 2-4GW Extraction System Discharge

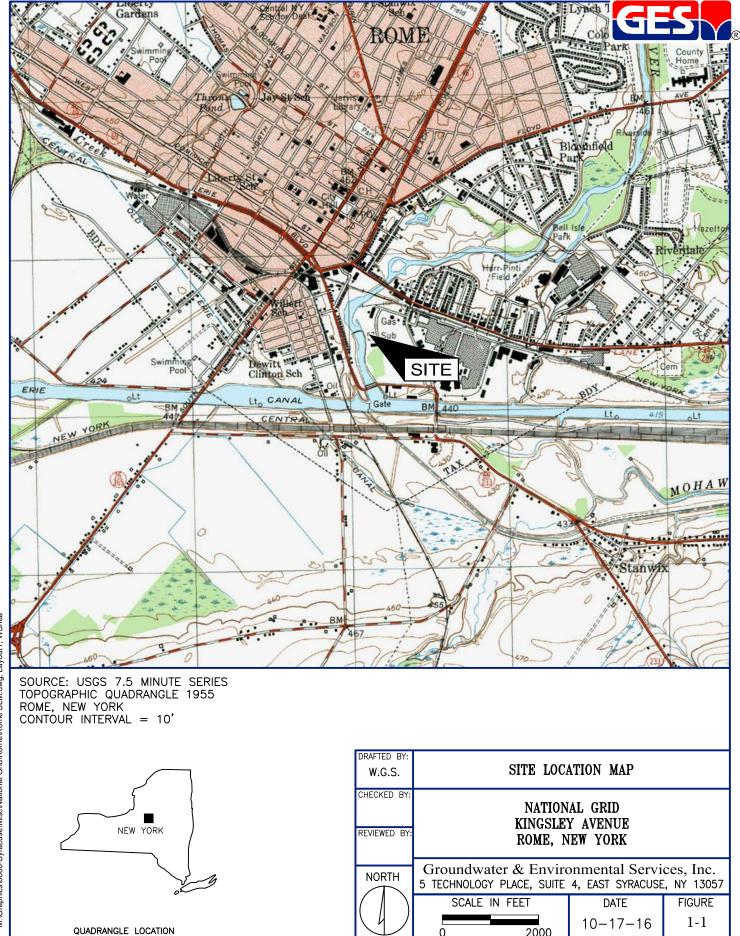
Parameter	City of Rome WPCF Permit Max Daily Limit (mg/L)	24-Mar-14	30-Jun-14	03-Sep-14	01-Dec-14	30-Mar-15	03-Jun-15	14-Sep-15	03-Dec-15	07-Mar-16	06-Jun-16	12-Sep-16	5-Jan-17	9-Mar-17
Benzene	0.13	0.062	0.066	0.033	0.057	0.045	0.053	0.04	0.044	0.037	0.063	0.043	0.0393	0.0536
Ethylbenzene	1.59	0.0049	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
рН	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

January 31, 2017 Page 1 of 1

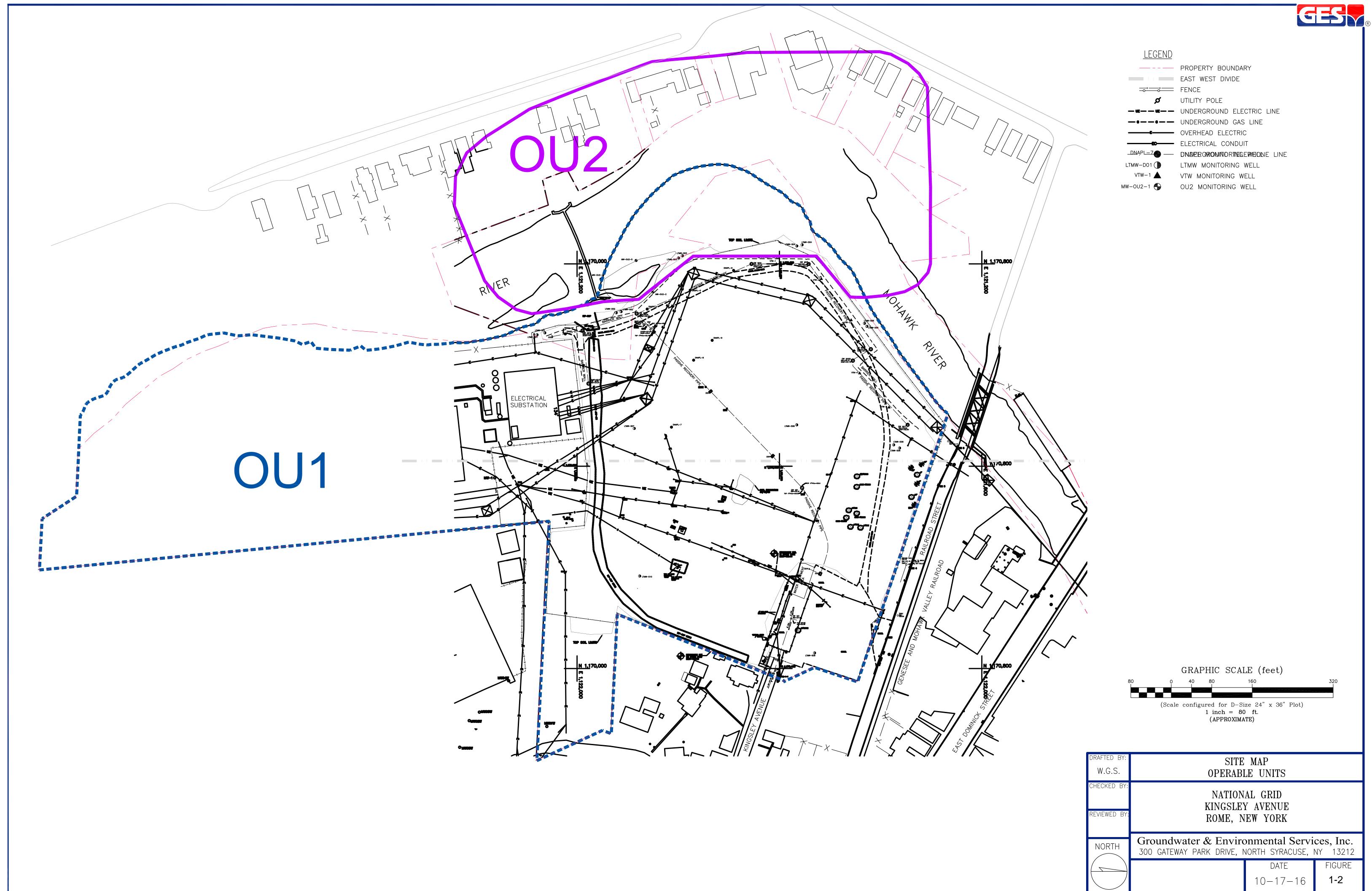
Figures

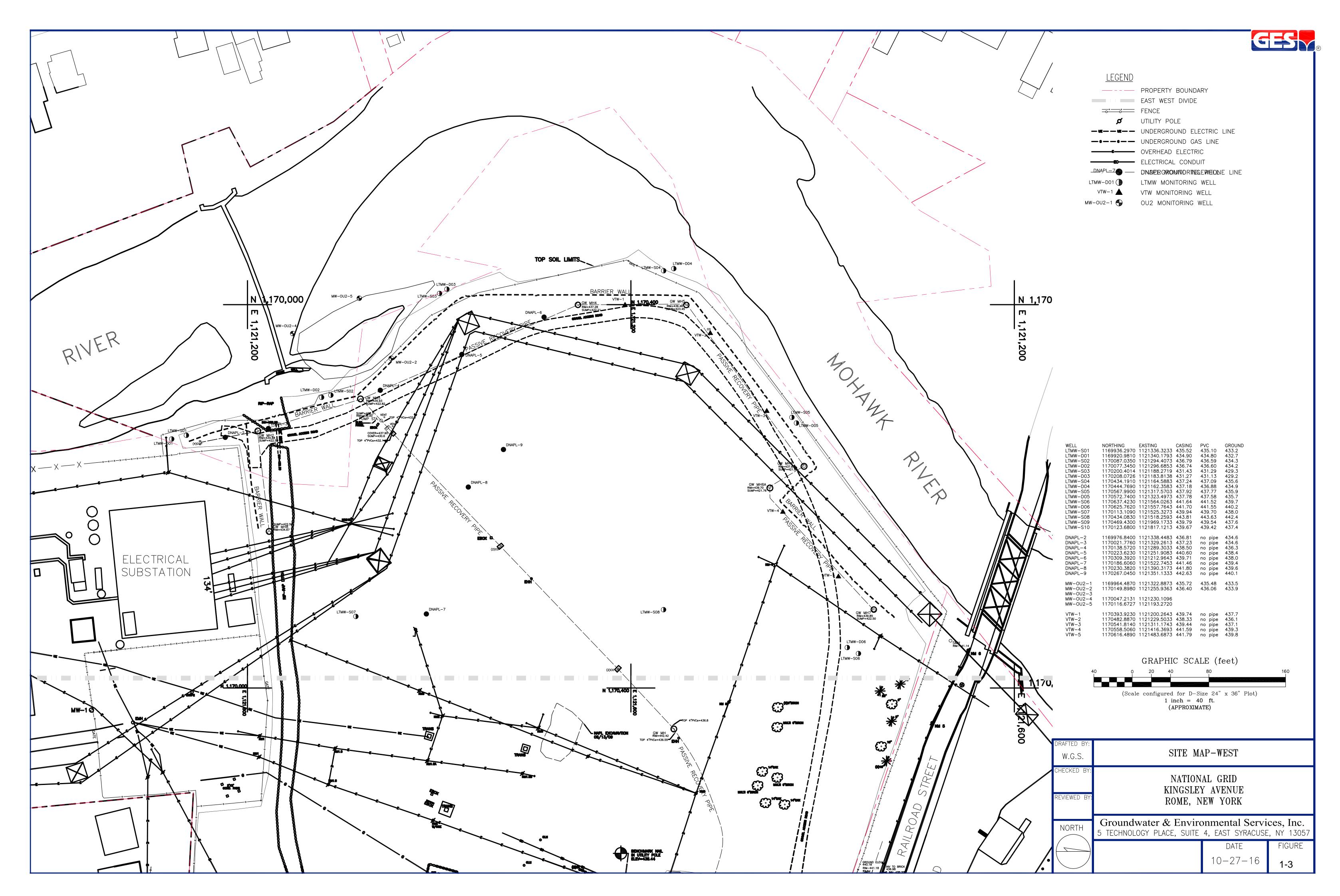




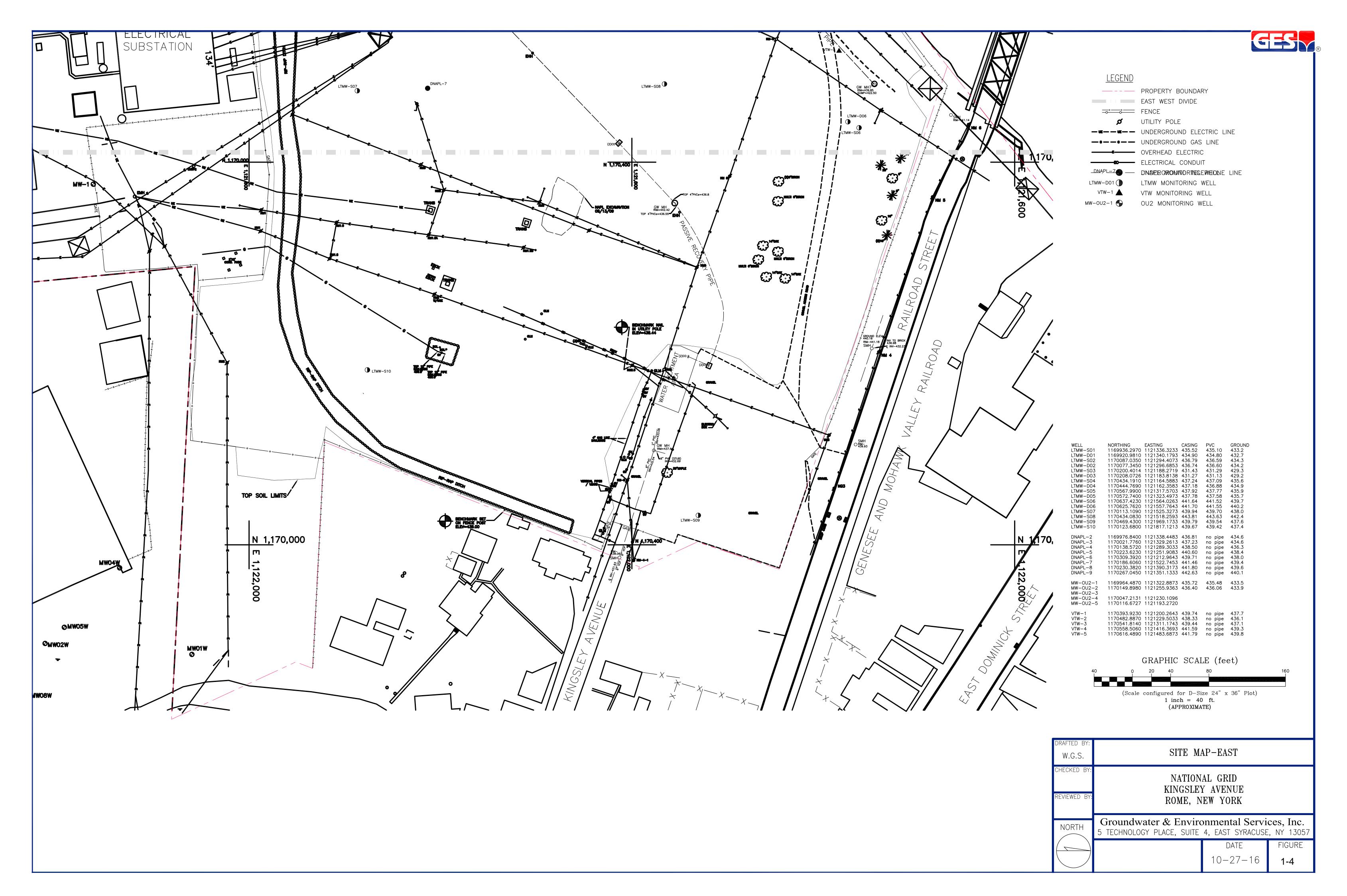
2000

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



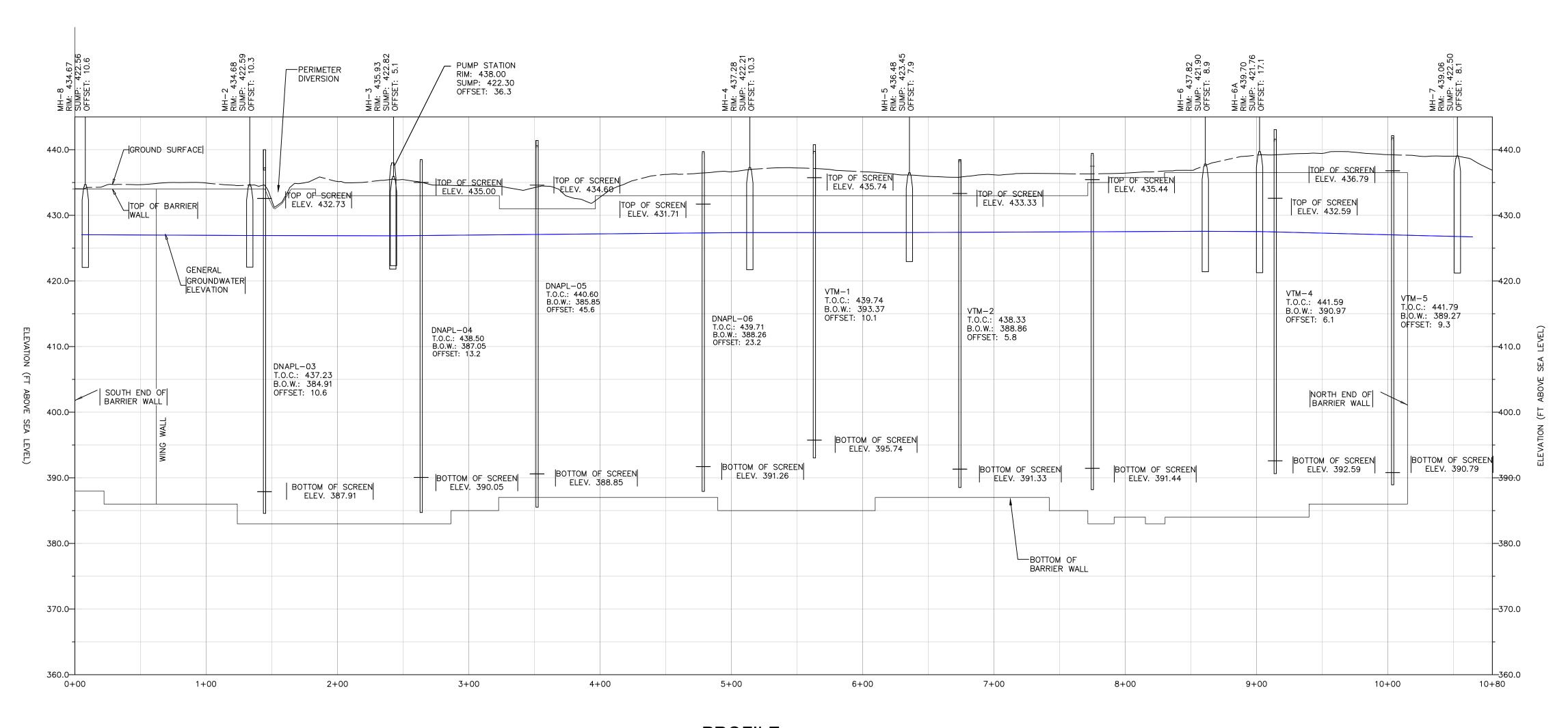


aphics\0600-Syracuse\Misc\National Grid\Rome\Rome SM.dwg, D-40-W, WShea



M:\Graphics\0600-Syracuse\Misc\National Grid\Rome\Rome SM.dwg, D-40-E, WShe





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.	BARRIER WA	ALL PROFILE	
CHECKED BY:	KINGSLE	AL GRID Y AVENUE IEW YORK	
NORTH	Groundwater & Environment 300 GATEWAY PARK DRIVE, N		,
		DATE 10-17-16	FIGURE 2-1

M:\Graphics\0600-Syracuse\Wisc\National Grid\Rome\Rome Profile.dwg, D., WShea

Appendix A Field Inspection Report



Date:	3/9/2017	Time:	8:30
Technician:	K. Leo	Weath	snow, 30

Site	Contro	ols		
GOOD	FA	ΝR	DAMAGED	COMMENTS
GOOD	FA	ΝR	DAMAGED	COMMENTS:
OPERATIO	NAL	NON-0	PERATIONAL	COMMENTS:
GOOD	FA	ΝR	DAMAGED	COMMENTS:
OPERATIO	NAL	NON-0	PERATIONAL	COMMENTS:
	GOOD GOOD OPERATION GOOD	GOOD FA GOOD FA OPERATIONAL	GOOD FAIR OPERATIONAL NON-C GOOD FAIR	GOOD FAIR DAMAGED GOOD FAIR DAMAGED OPERATIONAL NON-OPERATIONAL GOOD FAIR DAMAGED

Veç	getation (Sur	face Cover S	System)	
Condition of Grass	GOOD	FAIR	POOR	COMMENTS:
Site Trees	NONE	MINOR	SIGNIFICANT	COMMENTS:
Surface Erosion	NONE	MINOR	SIGNIFICANT	COMMENTS:

	Ston	ed 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:

		Draina	ge Sys	tems		
Rip Rap Area	Culvert	UNOBSTRUC	CTED	OB	STRUCTED	
	Flow	NONE	LIT	TLE	SIGNIFICANT	COMMENTS:
	Outlet Channel	OPERATIO	NAL	NON-C	OPERATIONAL	COMMENTS:

	Misc	ellanec	us		
Evidence of Trespassing	NO			YES	COMMENTS:
Litter	NONE	MIN	OR	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



) W		14. II 61	DTIM	DED	5.75	
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



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical *

Section A	Section B	Section C	(1)										-	Page:	1 of 2	
Required Client Information:	Required Project Information:	Invoice Information:	ormation:													П
Company: GES - Syracuse	Report To: Mark Boorady (GES) mboorady@gesonline.com	Attention:	Attention: Accounts Payable via email at ges-invoices@gesonline.com	via email at g	es-invoices@g	jesonline.co	Ę					REGUL/	REGULATORY AGENCY	GENCY		
Address: 5 Technology Place, Suite 4	Capy To:	Company	Company Name: Groundwater & Environmental Services, Inc.	ter & Environn	nental Services	, Inc.				T NPDES	GROF	GRO	DRIN	DRINT IG WATER	~	
East Syracuse, New York 13057		Address: 5	Address: 5 Technology Place, Suite 4, East Syracuse, NY 1305	s, Suite 4, Eas	t Syracuse, NY	/ 13057				TSO	RCR		OTHE			
Email To: mboorady@gesonline.com	Purchase Order No.:	Pace Quot	Quote Reference:								SITE	F* GA	L ⊒ L	Z	L	일
Phone: Fax: None R00 200 3069 x4065	Project Name: National Grid - Rome Kingsley Ave. Sife. Rome. NY	Pace	Project Manager. Rachel Christner	el Christner						LOCATION	Z	H _O	L sc L	MI M	OTHER	
Requested Due Date/TAT: Standard	Project Number: 06-02882-134400-221-1106	Pace Profile #	le #;							Filtered (Y/N)						
Section D Required Client Information	Valid Matrix Codes NATRIX		COLLECTED	ED .			7	Preservatives	sə	Requested						
	Managering Per enging hit maniferential was papalett Per papalett Per	-comp			NOIT					Analysis:						. ,
(A-Z, 0-9 / -,) Samples IDs MUST BE UNIQUE	i i k o z	RAB COMPOSITE STAR	START GRAB		OFFEC.	IEBS										
MAN ALEXANDER CONTRACTOR CONTRACT		Đ+Đ			DO TA 9ME	CONTAIN							U DO			
	N.	∋cE 1XbE			BT BJ9MA	±0#	F				_ '	(12 '90' 50') (12 '90' 50') (10 '50')				
# W31		IMA8 DAA	TIME	DATE	S		400° 4°80° Jubtesetved	ASOH HCI	Va ₂ S ₂ O ₅ Nethanol	Tertic	20058/X318 20058/20058/2005 20058/20058/2005 20058/20058/2005 20058/2005 20058/2005 20058/2005 20058/2005 20058/20058/200 2	party solution of the solution			Pace Project Number Lab I.D.	Project Number Lab I.D.
LTMW-D01-0317	0317 WT	ပ	90)	10/4/10	Ŕ	7	2	3 -			_	-				
ATANA FAMORINA TORRINA	Action and the second	<u> </u>	-	6	K.			1 3 1			3 2 1	-				
		_		123	146	7	2	3 1			3 2 1					
4 LTMW-S02-0317	0317 WT	r G		(2)	1.48	7	2	1 3 1			3 2 1	-				
5 LTMW-D03-0317	0317 WT	ر ر		7	Ŕ	7	2	3			3 2 4	_				
6 LTMW-S03-0317	0317 WT	<u>ا</u> و		<u></u>	Ę,	7	2	ю Т			3 2 1	-				
7 LTMW-D04-0317	0317 wT	_ _ رو		7	25/2	7	2	£ 2			3 2 1	-			***************************************	
8 LTMW-S04-0317	0317 wT	1 G		7	15:50	7	2	3			3 2 1	-				
LTMW-D05-0317	0317 WT	T G	3/2		1635	7	2	1 3 1			3 2 1	-	1			
10 LTMW-S05-0317	0317 WT	T G		2	0,01	7	2	3	1		3 2					
71 LTMW-D06-0317	0317 WT	1 G			2		2	3			3 2 1	-			***************************************	T
12 LTMW-S06-0317	0317	T G			300	7	2	1 3 1			3 2 1	1	_			٦
Additional Comments:	2	RELINGUISHED BY	D BY LAFFILIATION	ລ	DATE TIME	_	ACCEPTED BY / AFFILIATION	AFFILIAT	NOI		DATE	TIME	SAMP	SAMPLE CONDITIONS	SNOILI	ſ
SAMPLES WILL ARRIVE IN #	COOLERS.	A STATE OF THE PARTY OF THE PAR		M	10 to 100	Ź								N/A	N/A	N/A
					à							.		N/A	N/A	N/A
Please send reports to: mboorady@gesonline.com,	ie.com,													Ν/从	N/A	N/A
Syracuselabs@aesonline.com. aes@equisonline.com	line, com													N/A	N/A	N/A
			SAMPLER NAME AND SIGNATURE	ME AND SIG	SNATURE								ე, u		ooler	io si nl
SPECIFIC EDD NAME:			PRINT Nepre of SAM	PIER S		*				NAV. Str.			i qme	ecejve	otsu O O bele	səjdu
NCD cmc leterant and 20251 EOEDD zin			SIGNATURE OF AM	PLER		No. of Street, or other transport		2	Targethes.	DATE-Granted (MM) DD / YY)			ì.	эЯ 	 :e(ue;

NGRome-labnumber.28351.EQEDD.zip

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

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	Section B	Sect	Section C															1			
Required Client Information:	Required Project Information:	Invoid	e Information:														<u>5</u>	rage.	5	Ţ	
Company: GES - Syracuse	Report To: Mark Boorady (GES) mboorady@gesonline.com	Atten	Attention: Accounts Payable via email at ges-invoices@gesonline.com	Payable via er	mail at ges-inv	oices@ges	online.con	L							REGU	JLATIC	RY AC	REGULATORY AGENCY			
Address: 5 Technology Place, Suite 4	Capy To:	Comp	Company Name: Groundwater & Environmental Services, Inc.	oundwater & E	Environmental	Services, Ir	Ď.				1	F NPDES		GROF [D WATER		DRIN	DRINF IG WATER	œ.		
East Syracuse, New York 13057		Addre	Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	3y Place, Suits	e 4, East Syrac	cuse, NY 13	3057					LSU	LE	RCR/[OTHE				
Email To: mboorady@gesonline.com	Purchase Order No.:	Pace	Quote Reference:	:0:									SITE		1	L		Z	L	S	
Phone: Fax: None 800.220.3069, x4065	Project Name. National Grid - Rome Kingsley Pace Project Manager: Rachel Christner Ave. Site, Rome, NY	igsley Pace	Project Manage	r. Rachel Chr	istner						1	LOCATION	NO		L	L H			OTHER		
	Project Number: 06-02882-134400-221-1106	Pace	Profile #:								1	Filtered (Y/N)	٠					1			
Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9+) Samples IDs MUST 9-E UNIQUE	Valid Mathric Codes MATRIX CODE District Codes C	AB C=COMP	COL	COLLECTED	-	ЕСТЮИ	s		Preservatives	fives		Requested Analysis:									
# M∃LI		<u> </u>	DATE	DATE	W.	SAMPLE TEMP AT COLL	#OF CONTAINER	[©] ON [†] OS ²	101	AOH 8 ₂ S ₂ O ₃	lethanol ther		1000 X 31		1005/05/05/05/000/05/00/00	(1002) (UZ)			Pace	Pace Project	
LTMW-S07-0317	317 WT	Ö	des Committee	3/9/1	-		7 2		н со	<u> </u>	+		9 m	nt.	$oldsymbol{\pm}$					Lao Lo	
2 LTMW-S08-0317	317 WT	ග			1340		7 2	-	+−	1_			- -	-						T	
s LTMW-S09-0317	317 wT	O		olangio)	이 - 		7 2	-	1-	<u></u>			↓								
4 LTMW-S10-0317	317 wT	ပ			1555		7 2	-	6	-			├ —	-				************			
5 Field Duplicate-0317	-0317 WT	ပ			igoi		7 2	-	က				-	-							
Matrix Spike-0317)317 WT	Ð			igori		7 2	-	3					-						Ī	
Duplicate Matrix Spike-0317	ыке-0317	ŋ		>	1201		7 2	-	3				3	-						Yellow and the second	
a Trip Blank		Lab		3/4/			2		2				2								
oEND OF RECORD	ORD							1	1	1	1										
							<u> </u>	1		1				\perp		\perp	1				
Additional Comments:	REL	RELINOUISMED) BY / AFFILIATION	NO	DATE	TIME	ACCEPTED BY / AFFILIATION	77 ASI G	AFFILIA'	NOU				DATE	TIME		AMPLI	CONE	SAMPLE CONDITIONS		
SAMPLES WILL ARRIVE IN #	COOLERS.			ĺ	3/9/1	18/	3						-					N/A	N/A	N/A	
																		N/A	N/A	N/A	
Please send reports to: mboorady@gesonline.com,	.com,																	N/λ	N/A	N/λ	
Syracuselabs@gesonline.com, ges@equisonline.com	ne.com																	N/A	N/A	N/A	
SPECIFIC EDD NAME:			SAMPLER NA PRINT Name of SAM SIGNATURE OF SAMI	R NAME AN SAMPLER	SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER SIGNATURE OF SAMPLES	JA 1/3			<u>Q</u>	ATE Signer	DATE Stoned, Jake #50 27Y						O° ni qmə	lce	Custody aled Cooler	nples Intact	
INCKOME-tabitumber.28351.EQEDD.zip			'	*	and the same	Marin Charles of the Control of the	A Common of the			· -	~	NOSS.	co-curept.) :eS	ues	

E-File,(ALLQ020rev.3,311Mar05), 13Jun2005

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical"

MIT pampies juracr N/A N/A 1 of 1 SAMPLE CONDITIONS OTHER esled Coolei N/Z N/A Custody DRINT IG WATER L Z MI REGULATORY AGENCY Received on Ice N/Z N/A N/A SC OTHE O° ni qmeT }___ SA SA Ð GRO □ WATER TIME RCRJ SITE LOCATION iltered (Y/N) F NPDES Requested UST tnalysis: (µ61 lonsitiei a₂S₂O₃ ACCEPTED BY / AFFILIATION HOB IOF 3 ON *05° hpreserved Attention: Accounts Payable via email at ges-involces@gesonline.com #OF CONTAINERS Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057 Company Name: Groundwater & Environmental Services, Inc. TIME SAMPLE TEMP AT COLLECTION SAMPLER NAME AND SIGNATURE 39117 TIME **E** Pace Project Manager: Rachel Christner COLLECTED DATE 3 RELINQUISHED BY / AFFILIATION ace Quote Reference: invoice Information: Pace Profile #: Section C DATE roject Name: National Grid - Rome Kingsley SAMPLE TYPE O O C+GKA6 C=COMP WT WT MATRIX CODE Report To: Mark Boorady (GES) mboorady@gesonline.com Required Project Information: Project Number:
106-02882-134400-221-1106
MATRIX
MATRIX
SODE
NATION
NATI COOLERS. 000 811 8 1 1 2 8 8 5 E we. Site, Rome, NY urchase Order No Copy To: --END OF RECORD--Syracuselabs@gesonline.com, ges@equisonline.com Effluent System 0317 Please send reports to: mboorady@gesonline.com, Trip Blank Section D Required Client Information One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE SAMPLE ID equested Due Date/TAT; Standard Address: 5 Technology Place, Suite 4 mail To: mboorady@gesonline.com SAMPLES WILL ARRIVE IN Fax: None East Syracuse, New York 13057 SPECIFIC EDD NAME: Required Client Information: Company: GES - Syracuse Additional Comments: Phone: 900.220.3069, x4065 Section A # M3TI

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

NGRome-labnumber.28351.EQEDD.zip

National Grid , Kingsley Avenue, Rome, New York	
Sampling Personnel: KEVIN LEV Date: 3/8/17	
Job Number: 06-02882-134400-160 Weather: 200 Weather: 38	
Well Id. LTMW-D01 Time In: 4:50 Time Out: // a	ò
Well Information	
TOC Other Well Type: Flushmount Stick-Up Well Type: Flushmount Stick-Up Well Locked: Yes No Depth to Bottom: (feet) 46.84 Measuring Point Marked: Yes No Depth to Product: (feet) No Well Material: PVC SS Other: Well Diameter: 1" 2" Other: Comments: Three Well Volumes: (gal) 6-59]
Purging Information	
Conversion Factors	
Purging Method: Bailer Peristaltic Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 6'	' ID
Tubing/Bailer Material: Teflon Stainless St. Polyethylene of	اا ہـ ا
	.47
Average Pumping Rate: (ml/min) 100 1 gallon=3.785L=3785mL=1337cu. for Duration of Pumping: (min) 30	eet
Total Volume Removed: (gal) Did well go dry? Yes No	
YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes No	
Time DTW Temp pH ORP Conductivity Turbidity DO TDS	
(feet) (°C) (S.U.) (mV) (mS/cm) (NTU) (mg/L) (g/L) (0.46 0.40 1/-27 9.77 -201-4 0.346 3.3 1.07 0.29	202
10 90 9.40 11.67 9.77 -201-4 0.346 3.3 1.07 0.29	
10:20 11:87 11:20 871 -158.2 0-313 32 10-13 621	70
10:28 13 94 11 33 8.71 -166 1 00309 2.6 0.40 0.37	3
110.31 19.35 10.96 1 6.70 1-158.8 10-30 1 5.2 1 6.34 10.24	7
1 10:25 15.59 10.70 0.07 -165.10.29 + 3.4 17.37 10.26	4
10:40 16.51 10.89 8.72 102.9 0-296 2-8 0-36 0-26	ᆁ

Sampling Information:				
EPA SW-846 Method 8270	SVOC PAH's		2 - 250 ml ambe	er Yes No
EPA SW-846 Method 8260	VOC's BTEX		3 - 40 ml vials	Yes No No
EPA Method 335.4	Cyanide		1 - 250 ml plasti	ic Yes No
EPA Method 200.7	Metals		1 - 250 ml plasti	ic Yes No
Sample ID: <u>LTMW-D01-0317</u>	Duplicate?	Yes No	• • • • • • • • • • • • • • • • • • • •	Syracuse Service Center
Sample Time: 10:50	MS/MSD?	YesNo_X_	Pick-up	by Syracuse Courier
Comments/Notes:			Laboratory:	PACE Analytical
				O

Greensburg, PA

Kingsley Avenue, Rome, New York	
Sampling Personnel: Chandler Syartzerdybe	Date: 3/8/17
Job Number: 06-02882-134400-160	Weather: Sunny 385
Well Id. LTMW-S01	Time In: 9:50 Time Out: 11:45
Well Information TOC Other Depth to Water: (feet) 5	er 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: Tubing/Bailer Material: Sampling Method: Average Pumping Rate: Duration of Pumping: Total Volume Removed: YSI 6920 or Horiba U-52 Water Quality Meter Used? Peristaltic Stainless St. Peristaltic (ml/min) 3 0 7 Did we	Conversion Factors gal/ft. 1" ID 2" ID 4" ID 6" ID of water 0.04 0.16 0.66 1.47 1 gallon=3.785L=3785mL=1337cu. feet No No No O.04 O.05 O.05
(feet) (°C) (S.U.) 10.50 8.24 8.47 7.35 ~ 10.55 (.24 8.30 7.3) -1 11.00 8.25 8.36 7.17 -1 11.00 8.26 8.33 7.14 -1 11.10 8.24 8.35 7.10 -1 11.10 8.24 8.35 7.10 -1	ORP Conductivity Turbidity DO TDS (mV) (mS/cm) (NTU) (mg/L) (g/L) NS. 1 0.527 9.5 0.93 0.505 NS. 1 0.551 6.7 0.67 0.527 20.1 0.559 4.6 0.89 0.537 17.8 0.565 5.4 0.15 0.539 14.4 0.567 5.3 0.12 0.540 07.7 0.569 5.3 0.37 0.539
Sampling Information: EPA SW-846 Method 8270 SVOC PAH's EPA SW-846 Method 8260 VOC's BTEX EPA Method 335.4 Cyanide EPA Method 200.7 Metals Sample ID: LTMW-S01-0317 Duplicate? Yes Sample Time: \(\\ \^2 \) O MS/MSD? Yes Comments/Notes:	2 - 250 ml amber Yes No 3 - 40 ml vials Yes No 1 - 250 ml plastic Yes No 1 - 250 ml plastic Yes No No Shipped: Drop-off Syracuse Service Center Pick-up by Syracuse Courier Laboratory: PACE Analytical Greensburg, PA

National Grid Kingsley Avenue, Rome, New York Sampling Personnel: Date: Job Number: 06-02882-134400-160 Weather: Time Out: / Well Id. LTMW-D02 Time In: Well Information TOC Other Well Type: Flushmount Stick-Up Depth to Water: Well Locked: Yes (feet) Depth to Bottom: 40.29 Measuring Point Marked: (feet) Yes Depth to Product: Well Material: PVC. (Iss (feet) Other: 18 Length of Water Column: (feet) Well Diameter: Other: Volume of Water in Well: Comments: (gal) Three Well Volumes: (gal) **Purging Information** Conversion Factors 4" ID 6" ID Purging Method: 1" ID 2" ID Grundfos Pump Bailer Peristaltic gal/ft. Tubing/Bailer Material: Stainless St Teflon Polyethylene of 0.16 | 0.66 | Sampling Method: Peristaltic water | 0.04 | Bailer Grundfos Pump Average Pumping Rate: (ml/min) 1 gallon=3.785L=3785mL=1337cu. feet **Duration of Pumping:** (min) 30 Did well go dry? Total Volume Removed: (gal) Yes No YSI 6920 or Horiba U-52 Water Quality Meter Used? DTW ORP Conductivity Turbidity DO TDS Time Temp ρН (°C) (mS/cm) (NTU) (mg/L)(feet) (S.U.) (mV) 25 773 Sampling Information: EPA SW-846 Method 8270 SVOC PAH's 2 - 250 ml amber EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials EPA Method 335.4 Cyanide 1 - 250 ml plastic Yes EPA Method 200.7 Metals 1 - 250 ml plastic Sample ID: LTMW-D02-0317 Shipped: Drop-off Syracuse Service Center Duplicate? Sample Time: MS/MSD? Pick-up by Syracuse Courier

(13g

PACE Analytical

Greensburg, PA

Laboratory:

Comments/Notes:

Sampling Personnel: C5 Date: 3/8//7	
Job Number: 06-02882-134400-160 Weather: 54404	
Well ld. LTMW-S02 Time In: 1-50	Time Out:
Well Information	Newsoning Section 2017
	shmount Stick-Up
Depth to Water:(feet)9079Well Locked:Depth to Bottom:(feet)17.98Measuring Point Marked:	Yes Yes No
	SS Other:
Length of Water Column: (feet) 3-14 Well Diameter: 1	" 2" Other:
Volume of Water in Well: (gal) 3 Comments:	
Three Well Volumes: (gal) 3 4 9 5	
Purging Information	
Service Made and Service Description Council C	Conversion Factors 1" ID 2" ID 4" ID 6" ID
Purging Method: Bailer Peristaltic Grundfos Pump gal/ft Tubing/Bailer Material: Teflon Stainless St. Polyethylene of	
Sampling Method: Bailer Peristaltic Grundfos Pump water	0.04 0.16 0.66 1.47
Average Pumping Rate: (ml/min) 150 1 gal	Ion=3.785L=3785mL=1337cu. feet
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	·
Time DTW Temp pH ORP Conductivity Turbidity	DO TDS
(feet) (°C) (S.U.) (mV) (mS/cm) (NTU)	(mg/L) (g/L)
1215 156 8-87 6-89 -104.3 0-811 1943.1	0.33 0.480
1200 9.89 8.43 6.91 -102.2 0.563 1449.1	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 6.9 -98.6 0.443 719.0	0-19 0-431
1335 7.85 7.63 6-92 -99.0 0.428 490.6	0.20 0.415
1240 9685 7.76 6-43 -143 6.421 627.7	0.19 0.457
Sampling Information:	
EPA SW-846 Method 8270 SVOC PAH's 2 - 250 ml am	ber Yes No
F LFM OVI-040 Michigal 0270 0400, 17410 = -447.77	₹
	₹ —)
EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml via	stic Yes No
EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml viz EPA Method 335.4 Cyanide 1 - 250 ml pla EPA Method 200.7 Metals 1 - 250 ml pla	stic Yes No
EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml via EPA Method 335.4 Cyanide 1 - 250 ml pla EPA Method 200.7 Metals 1 - 250 ml pla Sample ID: LTMW-S02-0317 Duplicate? Yes No Shipped: Drop-or	stic Yes No

						100000000000000000000000000000000000000
Sampling Personnel:	(A		<u>Date:</u>	3/8117	<u></u>	
Job Number: 06-02882-134	400-160		Weather:	PC 550		
Well Id. LTMW-D03			Time In:	13:30	Time Out:	14:50
Well Information	ТОС	Other	Well Type	S: Flush	nmount S	Stick-Up
Depth to Water:	(feet) 4.48		Well Lock		Yes	No No
Depth to Bottom:	(feet) 40.73			Point Marked: _	Yes 🗙	No
Depth to Product:	(feet)		Well Mate	ř	Xss Oth	
Length of Water Column:	(feet)		Well Dian	L-	2" Oth	er:
Volume of Water in Well: Three Well Volumes:	(gal) 5.6		Comment	is:		
Iffiee Weil Volumes.	(gal) 17.4					
Purging Information					·······	· · · · · · · · · · · · · · · · · · ·
			·		Conversion F	
Purging Method:			fos Pump	194716	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflon Stainle		yethylene	of	0.04 0.16	0.66 1.47
Sampling Method: Average Pumping Rate:	Bailer Peri	istaltic Grund	fos Pump		0.04 0.16 n=3.785L=3785m	
Duration of Pumping:	(min) 30			1 gailo.	I-0.100E-0100m	IL-10070u.1001
Total Volume Removed:	(gal)	 _ Did well go dry?	Yes Nå	Ø		
YSI 6920 or Horiba U-52 Water	-	Yes No No	 4	5		
Time DTW	Temp pH	ORP	Conductivity	, , ,	DO	TDS
(feet)	(°C) (S.U.)		(mS/cm)	(NTU)	(mg/L)	(g/L)
13:50 5:46	9.79 10.50	2 7 2	0.545	7.3	3.33	0.484
14:00 10:10	10.03 11.06	7 9-1	7 748	1.7	1.91	0.409
14:05 6-80	9.91 11.16		0.449	-0.7	2.08	0.410
14:10 6.97	9.19 10.3	7 39.4	0.137	-3.4	1-10	0.703
14:15 7.09	9.86 9.54	- 136.0	1,077	- 4.5	094	0,787
14:20 11:14	G.97 G.10	1 - 136.0	1.124	-4.8	0.25	1.024
Campling Information:						
Sampling Information:						-
EPA SW-846 Method 8270	SVOC PAH's			2 - 250 ml ambe	er Yes	No
EPA SW-846 Method 8260	VOC's BTEX			3 - 40 ml vials		
EPA Method 335.4	Cyanide			1 - 250 ml plasti	ic Yes	No
EPA Method 200.7	Metals			1 - 250 ml plasti	ic Yes	∑ No∐
Sample ID: LTMW-D03-03	17 Duplicate?	Yes No 🗙	1 Sh	ipped: Drop-off S	Svracuse Service	Center
Sample Time: 14530	MS/MSD?	Yes No No		• •	by Syracuse C	
Comments/Notes:				Laboratory:	PACE Ana Greensbur	·

· · · · · · · · · · · · · · · · · · ·						October Control	
Sampling Personnel:	<u>C</u>			Date:	3/5//7	5 v	····
Job Number: 06-02882-134	400-160	/		Weather:	Cloudy	45	
Well Id. LTMW-S03				Time In:	1345	Time Ou	t: 1445
			···				
Well Information		TOC	Other	Well Type	z. Flus	hmount	Stick-Up
Depth to Water:	(feet)	3-53 I	Ono	Well Lock		Yes	No
Depth to Bottom:	(feet)	13.70		Measuring	Point Marked:	Yes 🔀	No
Depth to Product:	(feet)	ORGAN VIS		Well Mate			ther:
Length of Water Column:	(feet)	<u> </u>		Well Dian		2" 0	ther:
Volume of Water in Well: Three Well Volumes:	(gal)	4.29		Comment	S:		
Three well volumes.	(gal)	76411					
Purging Information							
		·				Conversion	
Purging Method:	Bailer	Peristaltic		fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflon	Stainless St		yethylene fos Pump	of water	0.04 0.16	0.66 1.47
Sampling Method:	Bailer (ml/min)	Peristaltic	SM Ginna	ros Pump		• • • • • • • • • • • • • • • • • • • •	mL=1337cu. feet
Average Pumping Rate: Duration of Pumping:	(ml/min) (min)				/ 9000	JII-0.100E 0.00	100100.100
Total Volume Removed:	(gal)	D	id well go dry?	Yes No	X		
YSI 6920 or Horiba U-52 Water		****	i⊠No□	· L			
II YSI 6920 Of Horida U-oz water	Chainviviere i						
			·Muor				
				T Conductivity	Turbidity	DO	TDS I
Time DTW	Temp	рН	ORP	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
	Temp (°C)			1	1	1	i 1
Time DTW (feet)	Temp	pH (S.U.) 6 - 7 -) 6 - 48	ORP (mV)	(mS/cm) 0 = 1.76 0 - 1.75	(NTU) 135.3 92	(mg/L) 0 · 7 0 · 47	(g/L) 0 * 17 1 0 = 170
Time DTW (feet)	Temp (°C) 7.72 7.57	pH (S.U.) 6 - 7 -) 6 - 88 6 - 35	ORP (mV)	(mS/cm) 0 = 1.76 0 - 1.75 0 = 2.2.1	(NTU) 135.3 92 74.6	(mg/L) 0 - 7 0 - 47 0 - 35	(g/L) 0 : 17 1 0 : 17 2 0 : 1/8
Time DTW (feet) 1355 3.52 1400 5.52 1407 3.51	Temp (°C) 7-72 7-57 7-21	pH (S.U.) 6 - 7 -) 6 - 48	ORP (mV) -59.8 -60.5 -62.5	(mS/cm) 0 = 176 0 - 175 0 - 221 0 - 230	(NTU) 135.3 92 74.6 69.2	(mg/L) 0 · 7 0 · 47 0 · 35 0 · 41	(g/L) 0 * 17 1 0 = 170
Time DTW (feet) 135.5 3.52 1400 5.52 1410 3.51 1410 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6 - 7 -) 6 - 88 6 - 35	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0 = 176 0 - 175 0 - 221 0 - 230 0 - 237	(NTU) 135.3 92 74.6 69.2 64.3	(mg/L) 0.71 0.47 0.35 0.41 0.40	(g/L) 0 × 17 1 0 × 17 8 0 × 1/8 0 × 227 0 × 235
Time DTW (feet) 135.5 3.52 1400 3.52 1415 3.51 1416 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 · 7 0 · 47 0 · 35 0 · 41 0 · 40 0 · 39	(g/L) 0 · 17 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 135.5 3.52 1400 5.52 1410 3.51 1410 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6 - 7 -) 6 - 88 6 - 35	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0 = 176 0 - 175 0 - 221 0 - 230 0 - 237	(NTU) 135.3 92 74.6 69.2 64.3	(mg/L) 0.71 0.47 0.35 0.41 0.40	(g/L) 0 × 17 1 0 × 17 8 0 × 227 0 × 237
Time DTW (feet) 135.5 3.52 1400 3.52 1415 3.51 1416 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 · 7 0 · 47 0 · 35 0 · 41 0 · 40 0 · 39	(g/L) 0 · 17 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 1355 3.52 1400 3.52 1410 3.51 1415 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 · 7 0 · 47 0 · 35 0 · 41 0 · 40 0 · 39	(g/L) 0 · 17 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 135.5 3.52 1400 3.52 1415 3.51 1416 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 - 7 0 - 47 0 - 35 0 - 41 0 - 40 0 - 39	(g/L) 0 · 17 1 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 1355 3.52 1400 3.52 1410 3.51 1415 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 - 7 0 - 47 0 - 35 0 - 41 0 - 40 0 - 39	(g/L) 0 · 17 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 135.5 3.52 1400 3.52 1415 3.51 1416 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 - 7 0 - 47 0 - 35 0 - 41 0 - 40 0 - 39	(g/L) 0 · 17 0 · 1/8 0 · 227 0 - 235 0 - 241
Time DTW (feet) 1355 3-52 1400 3-52 1400 3-51 1400 3-51 1400 3-51 1400 3-51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6-72 6-88 6-85 6-85 6-85 6-82	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0.71 0.47 0.35 0.41 0.40 0.39 0.38	(g/L) 0 171 0 178 0 247 0 235 0 241
Time DTW (feet) 1355 3-52 1400 3-52 1400 3-51 1400 3-51 1400 3-51 1400 3-51	Temp (°C) 7.72 7.57 7.21 7.35 7.04	pH (S.U.) 6.7.2 6.88 6.85 6.85 6.82 6.84	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8	(mg/L) 0 7 1 0 7 7 0 35 0 41 0 40 0 39 0 58	(g/L) 0 · 171 0 · 1/8 0 · 227 0 · 235 0 · 245 10 · 245
Time DTW (feet) 135.5 3.52 1400 3.52 1410 3.51 1415 3.51 1415 3.51 1410 3.51 1410 3.51	Temp (°C) 7.72 7.57 7.21 7.35 7.04 7.19	pH (S.U.) 6-7-2 6-98 6-85 6-85 6-82 6-84	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8 52.9 2-250 ml aml 3-40 ml via	(mg/L) 0.71 0.47 0.35 0.41 0.40 0.39 0.58	(g/L) 0 171 0 171 0 1/8 0 227 0 245 0 245
Time DTW (feet) 1355 3-52 1400 3-52 1410 3-51 1415 3-51 1415 3-51 1410 3-51 1415 3-51 1410 3-51 EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA Method 335.4	Temp (°C) 7.72 7.57 7.21 7.35 7.04 7.19 7.38 SVOC F	pH (S.U.) 6-7-2 6-88 6-85 6-84 6-84	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 1 35.3 92 74.6 69.3 64.3 55.8 5 2.9 2 - 250 ml aml 3 - 40 ml vial 1 - 250 ml plas	(mg/L) 0 7 1 0 47 0 35 0 41 0 39 0 38	(g/L) 0 171 0 178 0 247 0 245 0 245
Time DTW (feet) 1355 3.52 1400 3.51 1400 3.51 1415 3.51 1415 3.51 1410 3.51 1410 3.51 1410 3.51 EPA SW-846 Method 8270 EPA SW-846 Method 8260	Temp (°C) 7.72 7.77 7.21 7.35 7.04 7.19 7.38	pH (S.U.) 6-7-2 6-88 6-85 6-84 6-84	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0=176 0-175 0-221 0-230 0-237 0-244	(NTU) 135.3 92 74.6 69.2 64.3 55.8 52.9 2-250 ml aml 3-40 ml via	(mg/L) 0 7 1 0 47 0 35 0 41 0 39 0 38	(g/L) 0 171 0 171 0 1/8 0 227 0 245 0 245
Time DTW (feet) 1355 3 5 3 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 5 1400 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Temp (°C) 7-72 7-21 7-35 7-21 7-35 7-21 7-35 7-21 7-35 7-21 7-21 7-35 7-21 7-21 7-21 7-21 7-21 7-21 7-21 7-21	pH (S.U.) 6.73 6.85 6.85 6.84 PAH's BTEX ide	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6	(mS/cm) 0 = 176 0 - 175 0 - 221 0 - 230 0 - 237 0 - 244 0 - 350	(NTU) 1 35.3 92 74.6 69.3 64.3 55.8 5 2.9 2 - 250 ml aml 3 - 40 ml vial 1 - 250 ml plas	(mg/L) 0 7 1 0 47 0 35 0 41 0 39 0 38 per Yestic Yestic Yestic Yestic	(g/L) (g/L) (
Time DTW (feet) 1355 3-52 1400 3-52 1410 3-51 1415 3-51 1410 3-51 1410 3-51 1410 3-51 1410 3-51 EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA Method 335.4	Temp (°C) 7.72 7.57 7.21 7.35 7.04 7.19 7.19 VOC's I	pH (S.U.) 6.7.) 6.85 6.84 PAH's BTEX ide als	ORP (mV) -59.8 -60.5 -62.5 -59.6 -57.6 -59.8	(mS/cm) 0 = 176 0 - 175 0 - 221 0 - 230 0 - 237 0 - 244 0 - 350	(NTU) 1 3 5 3 9 2 14.6 69.3 55.8 5 3.9 2 - 250 ml aml 3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas	(mg/L) 0 7 1 0 47 0 35 0 41 0 39 0 38 per Yestic Yestic Yestic Yestic	(g/L) (g/L) (17) (3) (3) (4) (4) (5) (4) (5) (4) (5) (6) (7) (7) (7) (7) (7) (7) (8) (8

Sampling Personnel:	Date: 3/8/17
Job Number: 06-02882-134400-160	Weather: PC 50°
Well ld. LTMW-D04	Time In: 15:00 Time Out: 16:00
Well Information TOC Other Depth to Water: (feet) 9 00 Depth to Bottom: (feet) 46.36 Depth to Product: (feet) 100 Length of Water Column: (feet) 37.30 Volume of Water in Well: (gal) 5.93 Three Well Volumes: (gal) 7.93	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No Well Material: PVC SS Other: Uther: Comments:
Purging Information Purging Method: Tubing/Bailer Material: Sampling Method: Bailer Sampling Method: Bailer Peristaltic Grundfos Feristaltic Grundfos Feristaltic Grundfos Forundfos Feristaltic Grundfos Forundfos For	othylene of
(feet) (°C) (S.U.) (mV) 15:05 9.75 9.90 8.77 -49.60 15:10 10:15 9.90 9.57 -33.3 (15:15 10:17 9.96 9.42 -33.0 (15:15 10:19 9.96 8.36 -52.1 (15:15 10:21 9.96 8.36 -47.5 (15:30 10:27 10:00 9.35 -57.0 (Conductivity Turbidity DO TDS (mS/cm) (NTU) (mg/L) (g/L) (mS/cm) (NTU) (mg/L) (g/L) (26.74 52.1 6.26 0.62) (26.35 3.2 1.52 0.584 (26.35 3.2 1.52 0.684 (26.35 2.5 0.23 0.653 (27.15 -2.5 0.23 0.653 (27.17 -461 0.22 0.661
Sampling Information: EPA SW-846 Method 8270 SVOC PAH's EPA SW-846 Method 8260 VOC's BTEX EPA Method 335.4 Cyanide EPA Method 200.7 Metals Sample ID: LTMW-D04-0317 Sample Time: 15: 45 MS/MSD? Yes No No Comments/Notes:	2 - 250 ml amber Yes No 3 - 40 ml vials Yes No 1 - 250 ml plastic Yes No 1 - 250 ml plastic Yes No Shipped: Drop-off Syracuse Service Center Pick-up by Syracuse Courier Laboratory: PACE Analytical

Kingsiey Aveni	·							
Sampling Pers	onnel:		. 67		Date: 깇	8/17		
Job Number: (06-02882-1344	00-160			Weather:	Cloudy	500	
Well Id. L	TMW-S04				Time In:	1500	Time Out:	1610
Well Info	rmation		~~~	A11 - 3	Mol Tupo	Fire	hmount S	Stick-Up
Dooth to Wate		(feet)	TOC 8, 79	Other	Well Type: Well Locke		Yes	No No
Depth to Wate Depth to Botto		(feet)	17.26			Point Marked:	Yes	No
Depth to Produ			Quan NP		Well Mate		⊠ssOth	
Length of Wat		(feet)	5-47		Well Diam		2" _Oth	ier:
Volume of Wa		(gal)	1.36		Comments	3:		
Three Well Vo	lumes:	(gal)						
Purging In	formation						Conversion F	actors
Purging Metho	od:	Bailer	Peristaltic	Grundfo	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer	****	Teflon		· ·	ethylene	of		
Sampling Met		Bailer	Peristaltic	Grundfo	os Pump	water	0.04 0.16	
Average Pump		(ml/min)				7 gallo	on=3.785L=3785m	L=1337cu. reet
Duration of Pu Total Volume		(min) (gal)	Die	d well go dry?	Yes No	Image: second control of the control		
					7	-		
YSI 6920 or Hot	riba U-52 Water	Quality Meter u	Jsed? resi	NINO				
			w					
				ORP	Conductivity	Turbidity	DO	TDS
Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	(NTU)	(mg/L)	(g/L)
	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV) (63 f	(mS/cm) 0=i16	(NTU) んしょう	(mg/L) 3. 7 0	(g/L) 0 / 173
Time (515	DTW (feet)	Temp (°C) 7.4(0) 6.086	pH (S.U.) (5.94	ORP (mV) (63 8	(mS/cm) 0=176 0=168	(NTU) 12,3 Q,	(mg/L) 3. 7 0 3.56	(g/L) 0=173 0=166
Time (515) 1520	DTW (feet) 9,75 3,75	Temp (°C) 7.40 6.26 6.71	pH (S.U.) (5.94 (5.35	ORP (mV) [63 8 [49.1]	(mS/cm) 0°176 0°168 0°165	(NTU) 12.3 9.1	(mg/L) 3. 7 0 3.56 3.38	(g/L) 0:173 0:166 0:165
Time (515) 1525	DTW (feet) 8.75 8.75 2.77	Temp (°C) 7.40 6.86 6.71	pH (S.U.) 6.94 6.35	ORP (mV) 168 8 199 1 251 7	(mS/cm) 0°176 0°168 0°165	(NTU) 12,3 Q,	(mg/L) 3. 7 0 3.56	(g/L) 0=173 0=166
Time (515)	DTW (feet) 9.75 2.77 2.79	Temp (°C) 7.40 6.26 6.71	pH (S.U.) (5.94 (5.35	ORP (mV) [63 8 [49.1]	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 4.1	(mg/L) 3. 7 0 3.56 3.38 3.35	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (515) 1525	DTW (feet) 8.75 8.75 2.77	Temp (°C) 7.40 6.86 6.71 7.05	pH (S.U.) 6-94 6-35 6-39 8-46 0,28	ORP (mV) 163 8 199 1 253 1 253 1	(mS/cm) 0 176 0 168 0 165 0 165	(NTU) 12.3 9.1 5.7 4.9 4.7	(mg/L) 3.70 3.56 3.38 3.35 3.4\	(g/L) 0.173 0.166 0.165 0.169 0.169
Time (515) 1520 1525 1535 1535 1540	DTW (feet) \$.75 \$.77 \$.77	Temp (°C) 7-10 6-86 6-71 7-05	pH (S.U.) 6.94 6.35 6.39 8.96 0.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 9.1 557 4.7 4.7 4.0	(mg/L) 3.70 3.56 3.38 3.35 3.41	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (515) 1520 1525 1535 1535 1540	DTW (feet) \$.75 \$.77 \$.77	Temp (°C) 7-10 6-86 6-71 7-05	pH (S.U.) 6.94 6.35 6.39 8.96 0.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 9.1 557 4.7 4.7 4.0	(mg/L) 3.70 3.56 3.38 3.35 3.41	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (515) 1520 1525 1535 1535 1540	DTW (feet) \$.75 \$.77 \$.77	Temp (°C) 7-10 6-86 6-71 7-05	pH (S.U.) 6.94 6.35 6.39 8.96 0.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 9.1 557 4.7 4.7 4.0	(mg/L) 3.70 3.56 3.38 3.35 3.41	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (515) 1520 1525 1535 1535 1540	DTW (feet) \$.75 \$.77 \$.77	Temp (°C) 7-10 6-86 6-71 7-05	pH (S.U.) 6.94 6.35 6.39 8.96 0.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 9.1 557 4.7 4.7 4.0	(mg/L) 3.70 3.56 3.38 3.35 3.41	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (515) 1520 1525 1535 1535 1540	DTW (feet) 9.75 8.77 9.78 9.18	Temp (°C) 7-10 6-86 6-71 7-05	pH (S.U.) 6.94 6.35 6.39 8.96 0.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 9.1 557 4.7 4.7 4.0	(mg/L) 3.70 3.56 3.38 3.35 3.41	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time 1515 1520 1525 1530 1535 1530 1535 1540 1545	DTW (feet) 9.75 8.75 8.77 9.78 9.77	Temp (°C) 7.00 6.70 7.05 7.18 1.32 6.79	pH (S.U.) 6.94 6.35 6.39 5.46 6.28 6.28	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 4.1 4.0 3.1	(mg/L) 3.70 3.56 3.38 3.35 3.40 3.35	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173
Time (15)(5) (15)(5) (15)(5) (15)(6) (15)(7	DTW (feet) 8.75 8.77 8.77 9.78 9.78 pormation:	Temp (°C) 7.40 6.71 7.65 7.18 7.18 7.18 7.79	pH (S.U.) (-94 (-35) (-38) (-28) (-28) (-29)	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) (Q) (Q) (Q) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	(mg/L) 3.70 3.56 3.35 3.35 3.40 3.35	(g/L) 0.166 0.165 0.169 0.169 0.177
Time (515) 1525 1535 1535 1540 1545 Sampling Info EPA SW-84 EPA SW-84	DTW (feet) \$.75	Temp (°C) 7.10 6.71 7.05 7.18 7.18 6.79 SVOC F	pH (S.U.) (-94 (-35) (-35) (-36) (-38) (-28) (-28) (-28) (-28) (-28) (-28)	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) 12.3 4.1 4.0 3.1	(mg/L) 3.70 3.56 3.38 3.35 3.40 3.40 3.79 per Yes s Yes	(g/L) 0.173 0.166 0.165 0.169 0.169 0.171
Sampling Info	DTW (feet) 8.75 8.77 8.77 9.78 9.78 pormation:	Temp (°C) 7.40 6.71 7.65 7.18 7.18 7.18 7.79	pH (S.U.) (-94 (-35) (-35) (-36) (-38) (-38) (-38) (-38) (-38)	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0.176 0.168 0.165 0.165 0.171	(NTU) (2.3 (4.4 4.7 4.0 3.1	(mg/L) 3.70 3.56 3.38 3.35 3.40 3.40 3.40 Yes Stic Yes	(g/L) 0.173 0.166 0.165 0.169 0.169 0.177
Sampling Info EPA SW-84 EPA SW-84 EPA Me EPA Me	DTW (feet) 9.75 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.77 2.78 2.78	Temp (°C) 7.10 6.71 7.05 7.18 7.18 7.18 7.18 7.18 7.18 7.18 7.18	PAH's BTEX ide pH (S.U.) 6.94 6.35 6.38 6.38	ORP (mV) 168 8 199 1 251 7 258 1 257 1	(mS/cm) 0 176 0 168 0 165 0 165 0 171 0 171	(NTU) (2-3) (3-4-0) (3-40 ml vial) (1-250 ml plas)	mg/L) 3.70 3.56 3.38 3.40 3.40 3.40 Yes stic Yes stic Yes	(g/L) 0.173 0.166 0.165 0.169 0.169 0.173 0.171
Sampling Info EPA SW-84 EPA Me EPA Me	DTW (feet) 9.75 2.77 2.77 2.77 2.77 2.77 2.77 2.77 2	Temp (°C) 7-10 6-86 6-71 7-18 7-18 7-18 7-18 7-18 7-18 7-18 7	PAH's BTEX ide als	ORP (mV) 16\$ \$ 199.1 258.1 257.1 261.6	(mS/cm) 0 166 0 165 0 165 0 165 0 171 0 175	(NTU) (2-3) (3-4) (4-0) (3-1) (3-40 ml vial) (1-250 ml plas) (1-250 ml plas)	mg/L) 3.70 3.56 3.38 3.40 3.40 3.40 Yes stic Yes stic Yes	(g/L) 0.173 0.165 0.165 0.165 0.167 0.177 No.177 No.177 Re Center Courier

Sampling Personnel:	Date: 3/9/17
Job Number: 06-02882-134400-160	Weather: 30°F, light snow
Well ld. LTMW-D05	Time In: 0 925 Time Out: 10, 40
Well Information	
TOC Other	Well Type: Flushmount Stick-Up Well Locked: Yes No
Depth to Water: (feet) 8,26 Depth to Bottom: (feet) 46.53	Measuring Point Marked: Yes No
Depth to Product: (feet)	Well Material: PVC SS Other:
Length of Water Column: (feet) 38,27	Well Diameter: 1" 2" Other:
Volume of Water in Well: (gal) 6,12	Comments:
Three Well Volumes: (gal) 18591	
Purging Information	Conversion Footors
Purging Method: Bailer Peristaltic Grund	Conversion Factors
	yethylene of
	fos Pump water 0.04 0.16 0.66 1.47
Average Pumping Rate: (ml/min) 2.50	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: (min) 30	r
Total Volume Removed: (gal) 5 Did well go dry?	Yes No No
YSI 6920 or Horiba U-52 Water Quality Meter Used? Yes No	
- I - I ODD	The I
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS (mS/cm) (NTLI) (mg/L) (g/L)
(feet) (°C) (S.U.) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (S.U.) (mV) /00.5 /1.2 8,40 8.46 57.2	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407
(feet) (°C) (S.U.) (mV) /00.5 /1.26 8.40 8.46 57.2 1010 /2.13 8.18 8.63 56.5	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.428 -23 1.79 6.41 6.426 -3.1 1.43 0.413
(feet) (°C) (S.U.) (mV) /005 /126 8,40 8.46 57.2 1010 /2.13 8.18 8.23 565 1015 12.35 844769 8.41 57.5 1020 12.41 7.80 8.58 58.2	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.428 -23 / 35 0.4/0 6.426 -3.1 / 93 0.4/3 6.423 -3.4 / 93 0.4/0
(feet) (°C) (S.U.) (mV) 1005 1120 8.40 8.46 57.2 1010 12.13 8.18 8.03 56.5 1015 12.35 8.44.69 8.61 57.5 1020 12.41 7.80 8.58 58.2 1025 13.51 8.65 8.58 73.6	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.423 -23 / 29 0.4/0 6.426 -3.1 / 93 0.4/3 6.425 -3.4 1.93 0.4/0 6.425 -4.1 1.80 6.409
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.428 -23 1.29 0.4/0 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
(feet) (°C) (S.U.) (mV) 1005 1120 8.40 8.46 57.2 1010 12.13 8.18 8.03 56.5 1015 12.35 8.44.69 8.61 57.5 1020 12.41 7.80 8.58 58.2 1025 13.51 8.65 8.58 73.6	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.423 -23 / 29 0.4/0 6.426 -3.1 / 93 0.4/3 6.425 -3.4 1.93 0.4/0 6.425 -4.1 1.80 6.409
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.428 -23 1.29 0.4/0 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/3 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/3 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
(feet) (°C) (S.U.) (mV) /0.5 /1.26 8.40 8.46 57.2 1010 /2.13 8.18 8.53 5.65 1015 12.35 84476 8.61 57.5 1020 12.41 7.80 8.58 58.2 1025 12.51 8.65 8.58 73,6 1030 12.62 8.23 8.58 70.7 1035 12.71 \$.13 8.56 69.5	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/3 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/3 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409
(feet) (°C) (S.U.) (mV) 100	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/3 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.425 -4.1 1.50 6.409 6.425 -4.1 1.57 6.409 6.425 -4.1 1.57 6.408
(feet) (°C) (S.U.) (mV) /00.5 //20 S.HO 8.40 57.2 /010 /2.13 8.18 8.23 5.45 /015 /2.35 8.44 6.8 58.2 /025 /3.5) 8.65 8.58 73.6 /020 /2.41 7.80 8.58 58.2 /025 /3.5) 8.65 8.58 73.6 /020 /2.41 7.80 8.58 73.6 /020 /2.41 7.80 8.58 70.7 /020 /2.41 7.80 8.58 70.7 /020 /2.41 7.80 8.58 70.7 /025 /3.5) 8.65 8.58 70.7 /025 /3.5 /3.6 /3.5 /4 /3.5 /	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/0 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409 6.439 -4.1 1.57 6.408
(feet) (°C) (S.U.) (mV) /80.5 /1.20 8.40 8.40 57.2 /1.20 12.17 8.18 8.47 5.45 57.5 /1.20 12.41 7.80 8.58 58.2 /1.20 12.41 7.80 8.58 73.6 /1.20 12.41 7.80 8.58 73.6 /1.20 12.41 7.80 8.58 73.6 /1.20 12.41 7.80 8.58 73.6 /1.20 12.51 8.55 8.58 73.6 /1.20 12.51 8.55 8.58 70.7 /1.25 12.71 8.17 8.54 6.45 6.4	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 6.407 6.426 -3.1 1.93 6.4/6 6.426 -3.1 1.93 6.4/6 6.425 -4.1 1.80 6.409 6.429 -4.1 1.57 6.409 6.429 -4.1 1.57 6.409 6.429 -4.1 1.57 6.409 6.409 6.409 6.4130 -4.1 1.57 6.408
(feet) (°C) (S.U.) (mV) /80.5 /1.20 S.HO 8.40 57.2 1010 /2.13 8.18 8.23 5.45 1015 /2.35 8.44 6.8 58.2 1020 /2.41 7.80 8.58 58.2 1025 /3.5) 8.65 8.58 73.6 1030 /2.02 8.23 8.58 70.7 1035 /2.71 \$.15 \$.50 \$.50 \$.50 1035 /2.71 \$.15 \$.50 \$.50 \$.50 EPA SW-846 Method 8270 SVOC PAH's EPA SW-846 Method 8260 VOC's BTEX	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.4/0 6.426 -3.1 1.93 0.4/0 6.425 -4.1 1.80 6.409 6.425 -4.1 1.80 6.409 6.429 -4.1 1.54 6.409 6.439 -4.1 1.57 6.408
(feet) (°C) (S.U.) (mV) /005	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.40 6.426 -3.1 1.80 6.409 6.425 -4.1 1.80 6.409 6.429 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.409 6.439 -4.1 1.57 6.408
(feet) (°C) (S.U.) (mV) 1005 1.26 8.40 8.46 57.2 1010 12.17 8.18 8.47 56.5 1015 12.35 8.44 57.5 1020 12.41 7.80 8.58 58.2 1020 12.41 7.80 8.58 73.6 1030 12.62 8.23 8.58 70.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 6.58 73.6 6.7 1035 12.71 8.43 8.56 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6 6.7 1035 73.6	(mS/cm) (NTU) (mg/L) (g/L) 6.429 -29 2.02 0.407 6.426 -3.1 1.93 0.40 6.425 -4.1 1.80 6.409 6.425 -4.1 1.80 6.409 6.425 -4.1 1.57 6.409 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.57 6.408 6.425 -4.1 1.50 6.409 6.425 -4.1 1.50 6.4

Greensburg, PA

A Marie Control

Sampling Per	rsonnel: 👫	Miser So.	Dan		Date:	3/9/17		
Job Number:	06-02882-13				Weather:	30°F /	shrsno	W
	MW-D06				Time In:	1110	•	ıt:/2/0
	And the second second					·		
Well Inf	formation		,		***************************************			
			TOC	Other	Well Type		shmount	Stick-Up
Depth to Wat		(feet)	11.52		Well Lock		Yes	No
Depth to Bott		(feet)	52.22		=	Point Marked:	Yes	No
Depth to Prod		(feet)	NP		Well Mate		<u> </u>	other:
Length of Wa		(feet)	40.70		Well Diam		2" 🔀 0	ther:
Volume of W		(gal)	6.5 100		Comment	S:		
Three Well V	olumes.	(gal)	19.5				· · · · · · · · · · · · · · · · · · ·	
						······································		
Purging I	nformation						· · · · · · · · · · · · · · · · · · ·	
1 თვიაუ	HUIHABOT	-					Conversion	Factors
Purging Meth	ioq.	Bailer	r Peristaltio	Grundf	os Pump	gal/ft.	1" ID 2" ID	
Tubing/Bailer		Teflon	 	F-1	ethylene	gai/it.	 	
Sampling Me		Bailer			os Pump	water	0.04 0.16	0.66 1.47
Average Pum	***************************************		250	<u> </u>				5mL=1337cu. feet
Duration of P	· · · · · · · · · · · · · · · · · · ·		30		<u></u>	<u> </u>		
Total Volume	<u> </u>	(gal)		oid well go dry?	Yes No			
		er Quality Meter		s No No				
TOI UULU UI ,	JIDA U-U	# Quanty moto.	Useu:	<u>'''''</u>		· · · · · · · · · · · · · · · · · · ·		
							-	
Time	T DTW	T _{Emp}	T nH	1 ORP	Conductivity	Turbidity	I DO	TDS
Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
	(feet)	Temp (°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	TDS (g/L)
Time / 120	(feet)	1 '	(S.U.) 8.Ce/	f :	1 1	(NTU) -3.2	1	(g/L) 0-500
	(feet)	1 '	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L) 0-500
	(feet) 12.19 12.35	(°C) 8/7/ 727	(S.U.) 8.U.1 2.58	(mV) 60.8 47.2	(mS/cm) 0.533 0.578	(NTU) -3.2 -4.2 -4.9 -5.0	(mg/L) 2.01 0.83	(g/L) 0-500
1120	(feet) / 2 - 1 9	(°C) 871 929 891	(S.U.) \$.U.1 \$.58 8.40	(mV) (067 60.8	(mS/cm) 0-533 0-578 0-571	(NTU) -3.2 -4.2 -4.9	(mg/L) 2.01 0.83	(g/L) 0.500 0.481 6.479
1120 1125 1130 1135	(feet) 12.19 2.35	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8	(mS/cm) 0.533 0.578 0.511 0.512	(NTU) -3.2 -4.2 -4.9 -5.0	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479
120 125 130 135 140	(feet) 12.19 12.35	(°C) 871 929 851 855	(S.U.) 8.U.) 8.38 8.40 8.41 8.37	(mV) 60.8 47.2 18.8 -23.5	(mS/cm) 0.533 0.578 0.571 0.572 0.552	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479
120 125 130 135 140 145	(feet) 12.19 2.35	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:591
120 125 130 135 140 145	(feet) 12.19 2.35	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:591
120 125 130 135 140 145	(feet) 12.19 2.35	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:572
120 125 130 135 140 145	(feet) 12.19 2.35	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:591
1120 1125 1130 1135 1140 1145 1150	(feet) 2.19 2.35 2.39 2.41	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:591
120 125 130 135 140 145	(feet) 2.19 2.35 2.39 2.41	(°C) 8.71 9.29 8.51 8.55 9.46 9.89	(S.U.) 8.U.1 2.58 8.40 8.41 8.37 8.34	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9	(mg/L) 2.01 0.83 0.35 0.23	(g/L) 0:500 0:481 6:479 0:479 0:572 0:591
1/20 1/25 1/30 1/35 1/40 1/45 1/50 Sampling Inf	(feet) 12.19 12.35 12.39 12.41	(°C) 8-71 7-27 8-51 8-55 9-76 9-8-5 7-8-5	(S.U.) 8.U.) 8.U.) 8.Y.) 8.Y.) 8.37 9.34 8.31	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9 -5.2	(mg/L) 2.01 0.83 0.35 0.23 0.20 0.17	(g/L) 0:500 0:481 6:479 0:479 0:572 0:572 0:557
1/20 1/25 1/30 1/35 1/40 1/45 1/50 Sampling Inf	(feet) 12.19 2.35 2.39 12.41	(°C) 871 927 837 835 940 989 9.86	(S.U.) \$.U! \$.58 \$.40 \$.41 \$.37 \$.37 \$.34 \$.37	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -7.2 -4.9 -5.0 -4.5 -5.2	(mg/L) 2.01 0.83 0.35 0.23 0.23 0.17 017	(g/L) 0.500 0.481 6.479 0.479 0.572 0.572 0.5591
1120 1125 1136 1135 1146 1145 1150 1150 EPA SW-84 EPA SW-84	(feet) /2 .19 /2 .39 /2 .39 /2 .4/ /2 .4/ formation: 46 Method 8270 46 Method 8260	(°C) 871 927 851 855 976 985 976 985 985 985 985 985 985 985 985	(S.U.) \$.U! \$.58 8.40 8.41 8.37 9.34 8.37	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -9.2 -9.2 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5	(mg/L) 2.01 0.83 0.35 0.23 0.27 0.17	(g/L) 0:500 0:481 6:479 0:475 0:572 0:557 0:557
1/20 1/25 1/30 1/35 1/40 1/45 1/50 1/50 Sampling Inf	(feet) 12.19 12.39 12.41 12.41 12.41 12.41 12.41	(°C) 8-71 7-27 8-51 8-55 9-76 9-8-5 9-8-5 SVOC VOC's Cyan	(S.U.) \$.U.) \$.U.) \$.S8 8.Y.0 \$.Y.0 \$.37 \$.37 \$.37 \$.37 \$.37 \$.37	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -4.9 -5.0 -4.9 -5.0 -4.5 -5.2 2-250 ml aml 3-40 ml vial 1-250 ml plas	(mg/L)	(g/L) 0.500 0.481 6.479 0.572 0.572 0.557
1/20 1/25 1/30 1/35 1/40 1/45 1/50 1/50 Sampling Inf	(feet) /2 .19 /2 .39 /2 .39 /2 .4/ /2 .4/ formation: 46 Method 8270 46 Method 8260	(°C) 871 927 851 855 976 985 976 985 985 985 985 985 985 985 985	(S.U.) \$.U.) \$.U.) \$.S8 8.Y.0 \$.Y.0 \$.37 \$.37 \$.37 \$.37 \$.37 \$.37	(mV) 60.8 47.2 18.8 -23.5 -75.6	(mS/cm) 0.533 0.578 0.511 0.512 0.552 0.587	(NTU) -3.2 -9.2 -9.2 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5	(mg/L)	(g/L) 0:500 0:481 6:479 0:475 0:572 0:557 0:557
1/20 1/25 1/30 1/35 1/45 1/45 1/50 1/45 1/50 1/45 1/50 1/45 1/4 1/45 1	(feet) 12.19 12.35 12.39 12.41	(°C) 877 927 837 946 985 946 985 985 985 985 985 985 985 985	(S.U.) \$.41 \$.58 \$.70 \$.37 \$.37 \$.37 PAH's BTEX Bide als	(mV) 60.8 47.2 18.8 -33.5 -45.6 -46.5	(mS/cm) 0.533 0.578 0.571 0.572 0.552 0.587 0.608	2 - 250 ml aml 3 - 40 ml via: 1 - 250 ml plas:	(mg/L)	(g/L) 0.500 0.481 0.475 0.475 0.572 0.572 0.555
1/20 1/25 1/30 1/35 1/40 1/45 1/50 	(feet) /2.19 /2.39 /2.4/ /2.4/ /2.4/ formation: 46 Method 8270 46 Method 8260 ethod 335.4 ethod 200.7 LTMW-D06-0	(°C) 8-7/ 9-37 8-5/ 8-5/ 9-7/6 9-8-5 9-8-5 O VOC's Cyan Meta	PAH's BTEX nide als	(mV) (00.7 (00.8 47.2 18.8 -23.5 -45.10 -46.5	(mS/cm) 0.533 0.578 0.571 0.572 0.552 0.587 0.608	(NTU) -3.2 -7.2 -7.5	mg/L) 2.01 0.83 0.35 0.23 0.17 0.17 0.17 def Syracuse Servi	(g/L) 0.500 0.481 0.479 0.479 0.572 0.572 0.559 0.555
1/20 1/25 1/30 1/35 1/45 1/45 1/50 1/45 1/50 1/45 1/50 1/45 1/4 1/45 1	(feet) 12.19 12.35 12.39 12.41	(°C) 8-7/ 9-37 8-5/ 8-5/ 9-7/6 9-8-5 9-8-5 O VOC's Cyan Meta	PAH's BTEX nide als	(mV) 60.8 47.2 18.8 -33.5 -45.6 -46.5	(mS/cm) 0.533 0.578 0.571 0.572 0.552 0.587 0.608	(NTU) -3.2 -7.2 -7.5	(mg/L)	(g/L) 0.500 0.481 0.479 0.479 0.572 0.572 0.559 0.555
1/20 1/25 1/30 1/35 1/40 1/45 1/50 	(feet) /2 .19 /2 .39 /2 .39 /2 .39 /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /2 .4/ /4 Method 8270 /4 Method 8260 /4 ethod 200.7 /4 Company of the company of t	(°C) 8-7/ 9-37 8-5/ 8-5/ 9-7/6 9-8-5 9-8-5 O VOC's Cyan Meta	PAH's BTEX nide als	(mV) (00.7 (00.8 47.2 18.8 -23.5 -45.10 -46.5	(mS/cm) 0.533 0.578 0.571 0.572 0.552 0.587 0.608	(NTU) -3.2 -7.2 -7.5	mg/L) 2.01 0.83 0.35 0.23 0.17 0.17 0.17 def Syracuse Servi	(g/L) 0.500 0.781 6.477 0.572 0.571 0.555

22344011 7			Straight and the second					***************************************
Sampling Per	rsonnel:				Date: 📑	19/17		
Job Number:	06-02882-134	400-160			Weather:	Shul 15	newy 30°	
Well ld.	LTMW-S06				Time In:	ii i 5	Time Out	
							. "	
Well Inf	ormation							W
			TOC	Other	Well Type		K7	Stick-Up
Depth to Wat	····	(feet)	17.60		Well Lock		Yes	No
Depth to Bott Depth to Prod		(feet)	17.60		Measuring I Well Mate	Point Marked:	Yes X Ot	No her:
Length of Wa	·	(feet)	2.80		Well Diam		2" Ot	····
Volume of Wa		(gal) /	743		Comments			**************************************
Three Well V	olumes:	(gal)			·		·	
<u> </u>								Marin Ca
Purging Ir	nformation						O	
Purging Meth	·^4·	Baile	r Peristaltio	. Crundi	os Pump	1/54	Conversion I	
Tubing/Bailer		Teflor	 	<u> </u>	yethylene	gal/ft. of	יו או עור ו	4 10 0 10
Sampling Met		Baile		<u> </u>	os Pump	water	0.04 0.16	0.66 1.47
Average Pum		(ml/min)	160		·			mL=1337cu. feet
Duration of Po		(min)	30		,	- Address of the same of the s		
Total Volume	Removed:	(gal)	1 D	id well go dry?	YesNo	Y		
YSI 6920 or Ho	oriba U-52 Water	Quality Meter	Used? Yes	No No				
<u> </u>								
		· · · <u> </u>			<u> </u>			
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
11.32		•	(S.U.)	(mV) ⊇8.6	(mS/cm) 0-554	(NTU) 114.	(mg/L) 3 - 5 O	(g/L) 0. 604
	(feet)	(°C)	(S.U.)	(mV) 28.6 14.a	(mS/cm) 0.554 0:735	(NTU) ↓14↓ ↓6↓3	(mg/L) 3-50	(g/L) 0, 604 0, 723
11 35 11 30 11 3 F	(feet)	(°C)	(S.U.) 6.61 6.53 6.53	(mV) 28.6 14.a 10.0	(mS/cm) 0.554 0.735	(NTU) 14. j 26. 3	(mg/L) 3 - 5 O	(g/L) 0. 604
11 3 5 11 30	(feet)	(°C)	(S.U.)	(mV) 28.6 14.a	(mS/cm) 0.554 0:735	(NTU) 14.1 26.8 15.2	(mg/L) 3-50 1-6-1 1-1-2	(g/L) 0.604 0.723 0.736
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.76 11.71 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 0.61 6.58 6.57	(mV) 28.6 14.2 10.0 9.8	(mS/cm) 0.554 0.735 0.758	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 /./2	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
11 35 11 30 11 37 1140 1145	(feet) 11.78 11.76 11.71	(°C) 7.66 7.67 7.83	(S.U.) 6.61 6.53 6.57 6.57	(mV) 28.6 14.2 10.0 9.8 11.0	(mS/cm) 0.735 0.735 0.758 0.760 0.764	(NTU) 14.1 26.8 15.2	(mg/L) 3-50 1-6-1 1-12 1-12 0-95	(g/L) 0.604 0.723 0.736 0.739 0.739
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.76 11.71 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.76 11.71 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.76 11.71 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.76 11.71 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1135 1130 1137 1140 1145 1150 1155	(feet) 11.78 11.76 11.77 11.76 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1135 1130 1137 1140 1145 1150	(feet) 11.78 11.76 11.77 11.76 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 9.61 6.58 6.57 6.57 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3.50 1.64 1.12 1.12 0.95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
1130 1130 1140 1145 1150 1155	(feet) 11.78 11.76 11.77 11.76 11.76	(°C) 7.66 7.77 7.83 7.43	(S.U.) 6.61 6.58 6.57 6.56 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 114. 1 26. 3 15. 2 16. 0 8. 9 5. 4	(mg/L) 3-50 1-6-1 1-12 1-12 0-95	(g/L) 0.604 0.723 0.736 0.739 0.739 0.741
N 30 N 36 N 36 N 36 N 36 N 36 N 36 N 36 N 36	(feet) (1.78 (1.76	(°C) 7.66 7.67 7.83 7.99	(S.U.) 6 61 6.58 6.57 6.56 6.56 6.56	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 14. 15. 2 16. 0 8. 9 5. 4 7. 1 2 - 250 ml amb 3 - 40 ml viale	(mg/L) 3.50 1.61 1.12 7.72 0.95 1.05 per Yes s Yes	(g/L) 0.604 0.723 0.739 0.739 0.739 0.738
Sampling Info EPA SW-84 EPA SW-84 EPA Me	(feet) 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	(°C) 7.66 7.77 7.83 7.94 SVOC VOC's Cyar	(S.U.) 0.61 6.53 6.57 6.56 6.56 PAH's BTEX nide	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 14. 15. 2 16. 0 8. 9 5. 4 7. 1 2 - 250 ml amb 3 - 40 ml vial 1 - 250 ml plas	er Yes	(g/L) 0.604 0.723 0.736 0.739 0.739 0.739 0.738
Sampling Info EPA SW-84 EPA SW-84 EPA Me	(feet) (1.78 (1.76	(°C) 7.67 7.67 7.83 7.94 SVOC VOC's	(S.U.) 0.61 6.53 6.57 6.56 6.56 PAH's BTEX nide	(mV) 28.6 14.2 10.0 9.8 11.0 10.6	(mS/cm) 0.554 0.735 0.758 0.760 0.764 0.764	(NTU) 14. 15. 2 16. 0 8. 9 5. 4 7. 1 2 - 250 ml amb 3 - 40 ml viale	er Yes	(g/L) 0.604 0.723 0.736 0.739 0.739 0.739 0.738
Sampling Info EPA SW-84 EPA SW-84 EPA Me	(feet) (1.78 (1.76	(°C) 7.67 7.67 7.83 7.94 SVOC VOC's Cyar Meta	(S.U.) 6.51 6.57 6.56 6.56 6.56 PAH's BTEX nide als	(mV) 08.6 14.8 10.0 9.8 11.0 10.6 11.1	(mS/cm) 0.554 0.735 0.75% 0.760 0.764 0.764 0.766	(NTU) 14. 15.2 16.0 8.9 5.4 7.1 2 - 250 ml amb 3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas	er Yes tic Yes tic Yes	(g/L) 0.604 0.723 0.739 0.739 0.739 0.739 0.738
Sampling Info EPA SW-84 EPA Me EPA Me Sample ID:	(feet) (1.78 (1.76	(°C) 7.67 7.67 7.83 7.94 SVOC VOC's Cyan Meta	PAH's BTEX nide als	(mV) 08.6 14.8 10.0 9.8 11.0 10.6 11.0	(mS/cm) 0.554 0.735 0.75% 0.760 0.764 0.764 0.766	(NTU) 15.2 16.0 8.9 5.4 7.1 2 - 250 ml amb 3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas pped: Drop-off	er Yes tic Yes Syracuse Service	(g/L) 0.604 0.723 0.739 0.739 0.739 0.739 0.738
Sampling Info EPA SW-84 EPA SW-84 EPA Me	(feet) (1.78 11.76	(°C) 7.67 7.67 7.83 7.94 SVOC VOC's Cyan Meta	PAH's BTEX nide als	(mV) 08.6 14.8 10.0 9.8 11.0 10.6 11.1	(mS/cm) () - 5 4 () - 7 3 5 () - 7 5 8 () - 760 () - 764 () - 764 () - 766	(NTU) 15.2 16.0 8.9 5.4 7.1 2 - 250 ml amb 3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas pped: Drop-off	er Yes tic Yes tic Yes	(g/L) 0.604 0.723 0.739 0.739 0.739 0.739 0.739 0.738

	the second second second second				The Control of the Co			
Sampling Per	rsonnel:	11/15011 J	orday		Date:	3/9/17		
Job Number:	06-02882-134	400-160			Weather:	370F 0	adly su	my wind
Well Id.	LTMW-S07				Time In:	1450		: 1545
1								
Well Inf	ormation	 •					 1	N
			TOC	Other	Well Type			Stick-Up
Depth to Wat	······································	(feet)	17.89		Well Lock	ed: Point Marked:	Yes Yes	No No
Depth to Bott Depth to Prod		(feet)	17.82 NP		Well Mate		~~~~	her:
Length of Wa		(feet)	7.43		Well Diam		2" X Ot	
Volume of W	ater in Well:	(gal)	1.18		Comment			" ,
Three Well V	olumes:	(gal)	3,0		,			
			****		***************************************			······································
Purging ii	nformation	ı					Conversion I	Factors
Purging Meth	od.	Bailer	Peristaltic	Grundf	fos Pump	gal/ft.	1" ID 2" ID	
Tubing/Bailer		Teflon			yethylene	of		
Sampling Me		Bailer			fos Pump	water	0.04 0.16	0.66 1.47
Average Pum		(ml/min)	200		_	1 gallo	n=3.785L=3785ı	mL=1337cu. feet
Duration of P		(min)	30		[7].,	H		
Total Volume		(gai)		id well go dry?	YesNo	(4)		
YSI 6920 or Ho	oriba U-52 Water	r Quality Meter	Used? Yes	No .				
<u> </u>								
Time	DTW	Temp	pH	ORP	Conductivity	Turbidity	DO (ma/l)	TDS
	(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	Turbidity (NTU)	(mg/L)	(g/L)
1500	(feet)	(°C) -7.9')	(S.U.) 8-08	(mV) 85.5	(mS/cm) 0.801	(NTU) 21.9	(mg/L) /. 0 ⁻ /	(g/L) 0,723
1500 1505	(feet) // .1 9 // 5 ⁻¹ 7	(°C)	(S.U.)	(mV)	(mS/cm)	1 -	(mg/L) /. <i>O ^L/</i>	(g/L)
1500 1505 1510	(feet)	(°C) 7.91 7.51 7.77 7.45	(S.U.) 8.08 7.70	(mV) 85.5 8-7.0 79.5 75.6	(mS/cm) 0.801 0.821	(NTU) 21.9 14.8 12.1 15.8	(mg/L) 1. 0 4 0.4/2	(g/L) 0,723 0,754
1500 1505 1510 1515 1520	(feet) 11.19 11.59 11.65 11.69	(°C) 7.97 7.81 7.77 7.75 7,20	(S.U.) 8,08 7,70 7,60 7,53 7,50	(mV) 85.5 8-7.0 79.5 75.6 72.4	(mS/cm) 0.801 0.821 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8	(mg/L) 1.04 0.42 0.47 0.47 0.43	(g/L) 0,773 0,754 0,805
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.55 11.65 11.65 11.70 11.73	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8:08 7:70 7:40 7:53 7:50 7:44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520	(feet) 11.19 11.59 11.65 11.69	(°C) 7.97 7.81 7.77 7.75 7,20	(S.U.) 8,08 7,70 7,60 7,53 7,50	(mV) 85.5 8-7.0 79.5 75.6 72.4	(mS/cm) 0.801 0.821 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8	(mg/L) 1.04 0.42 0.47 0.47 0.43	(g/L) 0,773 0,754 0,805
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.55 11.65 11.65 11.70 11.73	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8:08 7:70 7:40 7:53 7:50 7:44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.55 11.65 11.65 11.70 11.73	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8:08 7:70 7:40 7:53 7:50 7:44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.55 11.65 11.65 11.70 11.73	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8:08 7:70 7:40 7:53 7:50 7:44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.55 11.65 11.65 11.70 11.73	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520 1525	(feet) 11.19 11.65 11.65 11.70 11.73 11.75	(°C) 7.97 7.81 7.77 7.75 7,20 7,01	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5	(mg/L) 1.04 0.42 0.47 0.47 0.43 0.40	(g/L) 0,773 0,794 0,805 0,807 0,795
1500 1505 1510 1515 1520 1525 1530	(feet) 11.19 11.65 11.65 11.70 11.73 11.75	(°C) 7.91 7.81 7.77 7.75 7,20 7,01	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5 0.5	(mg/L) 1.04 0:42 0.47 0.43 0.43 0.34	(g/L) 0:773 0:784 0:805 0:805 0:795
	(feet) // 19 // 57 // 65 // 7 6 // 7 7 /	(°C) 7.97 7.91 7.77 7.75 7,20 7,01 7,18	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44 7.40	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21.9 14.8 12.1 15.8 3.8 7.5 0.5	(mg/L) 1.04 0.42 0.43 0.43 0.34 or Yes	(g/L) O:773 O:754 O:705 O:805 O:807 O:795 O:795
1500 1505 1510 1515 1525 1525 1530 Sampling Inf	(feet) // 19 // 25 // 75 // 75 // 75 // 75 formation: 46 Method 8270 46 Method 8260	(°C) 7.9') 7.9' 7.77 7.75 7,20 7.01 7.18	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44 7.40	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21. 9 14.8 12.1 15.8 3.8 7.5 0.5 2-250 ml aml 3-40 ml vial	(mg/L) 1.04 0.42 0.43 0.43 0.43 0.34 oer Yes	(g/L) O: 773 O:754 O:705 O:805 O:807 O:795 O:795
1500 1505 1510 1515 1525 1525 1530 Sampling Inf	(feet) //. 19 //. 25 //. 25 //. 27 //. 7 20 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 46 Method 8270 46 Method 8260 dethod 335.4	(°C) 7.91 7.51 7.77 7.75 7.20 7.01 7.18 SVOC VOC's Cyan	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44 7.40 PAH's BTEX	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21. 9 14.8 12.1 15.8 3.8 7.5 0,5 2-250 ml aml 3-40 ml vial 1-250 ml plas	(mg/L) 1.04 0.42 0.43 0.34 or Yestic Yes	(g/L) 0:723 0:754 0:765 0:805 0:807 0:795 0:795
1500 1505 1510 1515 1525 1530 1535 1530 Sampling Inf	(feet) // 19 // 25 // 75 // 75 // 75 // 75 formation: 46 Method 8270 46 Method 8260	(°C) 7.9') 7.9' 7.77 7.75 7,20 7.01 7.18	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44 7.40 PAH's BTEX	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.821 0.83/ 0.83/ 0.83 0.83	(NTU) 21. 9 14.8 12.1 15.8 3.8 7.5 0.5 2-250 ml aml 3-40 ml vial	(mg/L) 1.04 0.42 0.43 0.34 or Yestic Yes	(g/L) 0,723 0,754 0,805 0,807 0,795 0,795
1500 1505 1510 1515 1525 1525 1530 1545 1545 	(feet) //. 19 //. 25 //. 7 0 //. 7 0 //. 7 0 //. 7 9 formation: 46 Method 8270 46 Method 8260 ethod 335.4 ethod 200.7	(°C) 7.91 7.91 7.77 7.75 7,20 7,01 7.18 SVOC VOC's Cyan Meta	(S.U.) 8.08 7.70 7.60 7.53 7.50 7.44 7.40 PAH's BTEX hide als	(mV) 85.5 8-7.0 79.5 75.6 72.4 71.6	(mS/cm) 0.801 0.831 0.83 0.83 0.83 0.803	(NTU) 21. 9 14.8 12.1 15.8 3.8 7.5 0,5 2-250 ml aml 3-40 ml vial 1-250 ml plas	mg/L) l. 0 - l l. 0 - l	(g/L) O: 773 O:754 O:754 O:705 O:805 O:805 O:755 O:755 O:755
1500 1505 1510 1515 1525 1525 1530 1545 1545 	(feet) //. 19 //. 25 //. 25 //. 27 //. 7 20 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 30 //. 7 46 Method 8270 46 Method 8260 dethod 335.4	(°C) 7.91 7.91 7.77 7.75 7,20 7,01 7,18 SVOC VOC's Cyan Meta	(S.U.) 8.08 7.70 7.60 7.53 2.50 7.44 2.40 PAH's BTEX nide als	(mV) 85.5 87.0 79.5 73.6 72.7 71.6 71.5	(mS/cm) 0.801 0.831 0.83 0.83 0.83 0.803	(NTU) 21. 9 14.8 7.5.8 3.8 7.5 0.5 2-250 ml aml 3-40 ml vial 1-250 ml plas 1-250 ml plas	mg/L) l. 0 - l l. 0 - l	(g/L) (3/7)
1500 1505 1510 1515 1525 1525 1530 1525 1530 1525 1530 1540 1540 	(feet) // // // // // // // // // // // //	(°C) 7.91 7.91 7.77 7.75 7,20 7,01 7,18 SVOC VOC's Cyan Meta	(S.U.) 8.08 7.70 7.60 7.53 2.50 7.44 2.40 PAH's BTEX nide als	(mV) 85.5 87.0 79.5 73.6 77.6 71.5	(mS/cm) 0.801 0.831 0.83 0.83 0.83 0.803	(NTU) 21. 9 14.8 7.5.8 3.8 7.5 0.5 2-250 ml aml 3-40 ml vial 1-250 ml plas 1-250 ml plas	(mg/L) 1.04 0.43 0.43 0.34 oer Yestic Yestic Yestic Yestic	(g/L) (g/L) (3/7/3 (3/7/5/4 (3/7)) (3/7/5/4 (3/7)) (3/7/5/4 (3/7))

Sampling Pe	rsonnel: 🌾	111:07	So-dan		Date:	3/9/17		
	06-02882-134				Weather	: 37°F, 4	indu	
80.00	LTMW-S08				Time In:	1300	Time Ou	t:
Well Inf	formation	•			n ==			
			TOC 14.69	Other	Well Typ Well Loc		shmount Yes	Stick-Up No
Depth to Wat Depth to Bott		(feet)	17.39			neu. Point Marked:	Yes	No
Depth to Pro		(feet)	NP		Well Mat	•		ther:
Length of Wa		(feet)	2.70		Well Dia	meter: 1"	2" 🔲 0	ther:
Volume of W		(gal)	0-4		Commer	nts:		
Three Well V	/olumes:	(gal)	i,2 1		·····	<u> </u>		·
<u> </u>								
Puraina I	nformation				· · · · · · · · · · · · · · · · · · ·			
1 diging r	Mormation						Conversion	Factors
Purging Meth	nod:	Baile	r Peristalti	c Grund	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflor	Stainless S	t. Pol	yethylene X	of		
Sampling Me	···	Baile		c Grund	fos Pump	water	0.04 0.16	
Average Pun			200			1 gall	on=3.785L=3785	imL=1337cu. feet
Duration of P		(min)	<u>30 </u>	Did well go dry?	Yes N			
Total Volume		(gal)			162			
YSI 6920 or He	oriba U-52 Wate	r Quality Meter	Used? Ye	s No				
<u> </u>								
[f] DMA		1 7	1	i voon	1 Conductivity	Turbidity		ו אורכ ו
Time	DTW (feet)	Temp (°C)	pH (S.I.)	ORP (m\/)	Conductivity (mS/cm)	1	DO (mg/L)	TDS (g/L)
	(feet)	(°C)	(S.U.)	(mV)	Conductivity (mS/cm)	(NTU)	DO (mg/L)	(g/L)
1310 1315	(feet)	1	(S.U.) 8.12 7.02	(mV) 75.3 \$1:0	(mS/cm)	1 -	(mg/L) 0095	(g/L) (37// (0.577
13,10	(feet) 14.75 14.78 14.78	(°C) 3° 02 771 7.84	(S.U.) 8.12 7.07 7.50	(mV) 75.3 \$1.0 \$3.5	(mS/cm) 0.747 0.598 6.783	(NTU) 38.9 8.0	(mg/L) 079 0,95 0.87	(g/L) 6.777 0.577 0.573
1310 1315 1320 1325	(feet) 14.75 14.78 14.78	(°C) 8 02 7 11 7 84 7 57	(S.U.) 8.12 7.07 7.50 7.36	(mV) 75.3 \$1.0 \$3.5	(mS/cm) 0.747 0.558 6.783 6.638	(NTU) 38.9 8.6 1.1 -1.8	(mg/L) 0.75 0.95 0.87	(g/L) 6711 0.577 0.573
1310 1315 1320 1325 1330	(feet) 14.75 14.78 14.78 14.78 14.78	(°C) 3 02 7 11 7 84 7 51 7 84	(S.U.) 8.12 7.07 7.50 7.36 7.31	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3	(mS/cm) 0.747 0.598 6.783 6.638	(NTU) 38.9 8.6 1.1 -1.8 -2.7	(mg/L) 075 095 0.87 0.85	(g/L) 6.711 0.577 0.533 0.621 0.630
1310 1315 1320 1325 1336 1335	(feet) 14.78 14.78 14.78 14.78	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.573 0.621 0.630 0.684
1310 1315 1320 1325 1330	(feet) 14.75 14.78 14.78 14.78 14.78	(°C) 3 02 7 11 7 84 7 51 7 84	(S.U.) 8.12 7.07 7.50 7.36 7.31	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3	(mS/cm) 0.747 0.598 6.783 6.638	(NTU) 38.9 8.6 1.1 -1.8 -2.7	(mg/L) 075 095 0.87 0.85	(g/L) 6711 0:577 0:533 0:621 0:630
1310 1315 1320 1325 1336 1335	(feet) 14.78 14.78 14.78 14.78	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.573 0.621 0.630 0.684
1310 1315 1320 1325 1336 1335	(feet) 14.78 14.78 14.78 14.78	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.583 0.621 0.630 0.684
1310 1315 1320 1325 1336 1335	(feet) 14.78 14.78 14.78 14.78	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.573 0.621 0.630 0.684
1310 1315 1325 1325 1335 1340	(feet) 19.75 19.78 19.78 19.78 19.78 19.79	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.573 0.621 0.630 0.684
1310 1315 1320 1325 1336 1335	(feet) 19.75 19.78 19.78 19.78 19.78 19.79	(°C) 8 02 7 71 7 54 7 57 7 58 7 78	(S.U.) 8.12 7.07 7.50 7.36 7.36 7.31 7.23	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0	(mg/L) 079 0,95 0.87 0.85 0.91	(g/L) 6711 0.577 0.583 0.621 0.630 0.684
1310 1315 1325 1325 1335 1370 Sampling In	(feet) 19.75 19.78 19.78 19.78 19.78 19.78	(°C) \$ 02 7 71 7 84 7 57 7 88 7 82	(S.U.) 8.12 7.07 7.30 7.36 7.37 7.23 7.19	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.6 -1.8 -2.7 -4.0 -4.3	(mg/L) 079 095 085 0.87 0.97 0.97	(g/L) 6711 0:577 0:583 0:621 0:630 0:684 0:706
1310 1315 1325 1325 1335 1340 Sampling In	(feet) 19.75 19.75 19.78 19.78 19.78 19.78 19.78 19.79 19.79	(°C) \$ 02 7.71 7.84 7.57 7.88 7.82 Svoc	(S.U.) 8.12 7.77 7.30 7.36 7.31 7.23 7.19	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.0 1.1 -1.8 -2.7 -4.0 -4.3 2-250 ml am	(mg/L) 0.75 0.95 0.85 0.91 0.94 0.92	(g/L) (371) 0.577 0.533 0.621 0.630 0.684 0.706
13 0 13 5 13 5 	(feet) 14.75 14.78 14.78 14.78 14.78 14.78 14.78 14.79 14.79 14.79 14.79 14.79	(°C) \$ 02 7.71 7.84 7.57 7.86 7.88 7.82 SVOC VOC's	(S.U.) 8.12 7.07 7.36 7.36 7.31 7.23 7.17	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.0 1.1 -1.8 -2.7 -4.0 -4.3 2-250 ml am 3-40 ml via	(mg/L) 075 075 075 0.87 0.97 0.97 0.72	(g/L) (371) 0.577 0.533 0.621 0.630 0.684 0.706
3 0 3 5 	(feet) 19.75 19.75 19.78 19.78 19.78 19.78 19.78 19.79 19.79	(°C) \$ 02 7.71 7.84 7.57 7.88 7.82 Svoc	(S.U.) 8.12 7.07 7.36 7.36 7.31 7.23 7.17	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.0 1.1 -1.8 -2.7 -4.0 -4.3 2-250 ml am	(mg/L) 075 075 075 0.87 0.97 0.97 0.72	(g/L) (371) 0.577 0.533 0.621 0.630 0.684 0.706
3 0 3 5 	(feet) 19.75 19.78	(°C) 8 02 7 71 7 54 7 57 7 56 7 78 7 78 7 82 SVOC VOC's Cyar	(S.U.) 8.12 7.07 7.36 7.36 7.31 7.23 7.17	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.598 6.783 6.678 0.651	(NTU) 38.9 8.0 1.1 -1.8 -2.7 -4.0 -4.3 2-250 ml am 3-40 ml via 1-250 ml plat	(mg/L) 075 075 075 0.87 0.97 0.97 0.72	(g/L) (37/) (0.577 (0.533 (0.02) (0.030 (0.084 (0.704) (0.704)
3 0 3 5 	(feet) 14.75	(°C) \$ 02 7 71 7 84 7 57 7 58 7 78 7 82 SVOC VOC's Cyar Met	(S.U.) 8.12 7.07 7.36 7.36 7.31 7.23 7.17	(mV) 75.3 \$1.0 \$3.5 \$4.7 \$6.3 \$9.7	(mS/cm) 0.747 0.568 6.783 6.628 0.038 0.710 0.730	2 - 250 ml am 3 - 40 ml via 1 - 250 ml pla: 1 - 250 ml pla: hipped: Drop-of	ber Yestic Yestic Yestic Yes	(g/L) (37/) 0.577 0.533 0.021 0.030 0.084 0.700 sNo
3 0 13 5 13 13	(feet) 14.75	(°C) \$ 02 7 71 7 84 7 57 7 58 7 78 7 82 SVOC VOC's Cyar Met	(S.U.) 8.12 7.36 7.36 7.31 7.23 7.17 PAH's BTEX hide als	(mV) 75.3 \$1.0 \$3,5 \$4.7 \$6.3 \$9.7 93.1	(mS/cm) 0.747 0.568 6.783 6.628 0.038 0.710 0.730	2 - 250 ml am 3 - 40 ml via 1 - 250 ml pla: 1 - 250 ml pla: hipped: Drop-of	ber Yestic Yestic Yestic Yestic Syracuse Servise	(g/L) (37/) 0.577 0.533 0.621 0.630 0.706 sNo

Sampling Personnel:			ing a same and program and the contract of the	90		
<u> </u>			Date:	3/9/17		
Job Number: 06-02882-134400-160			Weather:	Cloudy	1 300	
Well ld. LTMW-S09			Time In:	1330	Time Out:	: 1445
Well Information	тос	Other	Well Type	· Flus	hmount	Stick-Up
Depth to Water: (feet)	9-21		Well Lock		Yes	No No
Depth to Bottom: (feet)	16.92		=	Point Marked:	Yes	No
Depth to Product: (feet) Length of Water Column: (feet)	NY .		Well Mate Well Diam		SS Oth	ner:
Volume of Water in Well: (gal)	之为		Comment		L., " K.) ~ "	IGt.
Three Well Volumes: (gal)	3					
, , , , , , , , , , , , , , , , , , ,						
Purging Information				**************************************	· · · · · · · · · · · · · · · · · · ·	······································
					Conversion F	
Purging Method: Bailer	Peristaltic	- 1	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material: Teflon Sampling Method: Bailer	Stainless St. Peristaltic	· ·	vethylene	of water	0.04 0.16	0.66 1.47
Average Pumping Rate: (ml/min)	Peristanic	Oruna.	os Punip		on=3.785L=3785m	
Duration of Pumping: (min)					**************************************	
Total Volume Removed: (gal)	Di	d well go dry?	Yes No			
YSI 6920 or Horiba U-52 Water Quality Meter U:	sed? Yes	No				
		M				
Time DTW Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
(feet) (°C)	(S.U.)	(mV)	(mS/cm)	(NTU) (\$\$.\$	(mg/L)	(g/L) 0-374
1335 9.25 8.44	7.03 7.07	23.1	0398		8.01	
# 1 2 1 A C A A C A			= 1 1 × 14 3A	\ A		1 1/4 1/4 Sand 1
1340 9.22 8.50		47.6	0.384	253.7	8.10	0.369
1345 9.22 8.90	7,09	56.8	0.413	253.7	6.16	0.416
1345 9.22 8.99 1355 9.22 8.94	7.09 7.11 7.13	56.8	0.413 0.469 0.440	253.7 166.7 104.4	6011	0.416
1345 9.22 8.89 1355 9.22 8.99 1400 9.22 9.02	7.09 7.11 7.13 7.15	56.8 60.7 61.8	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 9.90 1350 9.22 9.89 1355 9.22 8.94	7.09 7.11 7.13	56.8 60.7 61.8	0.413 0.469 0.440	253.7 166.7 104.4	6°11 6,53 6,31	0.416
1345 9.22 8.89 1355 9.22 8.99 1400 9.22 9.02	7.09 7.11 7.13 7.15	56.8 60.7 61.8	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 8.89 1355 9.22 8.99 1400 9.22 9.02	7.09 7.11 7.13 7.15	56.8 60.7 61.8 63.9	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 8.89 1355 9.22 8.99 1400 9.22 9.02	7.09 7.11 7.13 7.15	56.8 60.7 61.8 63.9	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 8.99 1355 9.22 8.94 1400 9.22 9.02 1405 9.22 9.15	7.09 7.11 7.13 7.15	56.8 60.7 61.8 63.9	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 8.89 1355 9.22 8.99 1400 9.22 9.02	7.09 7.11 7.13 7.15	56.8 60.7 61.8 63.9	0.413	253.7 166.6 104.8	6:11	0.416
1345 9.22 9.89 1355 9.22 8.94 1400 9.23 9.02 1405 9.22 9.15	7.09	56.8 60.7 61.8 63.9	0.413	253.7 166.6 104.8	6 2 / 1 6 2 / 3 6 3 / 3 6 2 / 5 5 2 7	0.416 0.45 0.45 0.472 0.480
1345 9.22 8.99 1355 9.22 8.94 1400 9.22 9.02 1405 9.22 9.15	7.09 7.11 7.15 7.15	56.8 60.7 61.8 63.9	0.413	253.7 166.7 104.4 118.6 39.3	6 2 / 1 6 2 / 3 6 3 / 5 5 . 6 7	0.416
1345 9.32 8.99 1355 9.22 8.94 1400 9.23 9.02 9.02 9.05 9.23 9.15 9.15 9.23 9.25 9.23 9.25 9.23 9.25	7,09 7,11 7,15 7,15 7,15	56.8 60.7 61.8 63.9	0.413	253.7 166.7 104.4 118.6 59.3	6 // 6 / 3 / 4 6 / 8 / 7 5 / 6 / 7	0.416 0.439 0.465 0.472 0.480
1345 9-32 9-90 1350 9-32 9-90 1355 9-32	7,09 7.11 7.13 7.15 7.15 AH's STEX de s	\$6.8 60.7 61.8 63.9 65.3	0.413 0.469 0.410 0.506 0.514	253.7 166.7 107.8 118.6 59.3 4-250 ml amb 6-40 ml vial	er Yes Yes Stic Yes	0 - 4 6 0 - 4 7 0 - 4 7 0 - 472 0 - 430
1345 9.32 9.89 1355 9.22 8.94 1400 9.22 9.62 9.62 9.62 9.62 9.62 9.62 9.65 9.62 9.65	7.09 7.17 7.15 7.15 7.15 AH's STEX de s dd Duplicate-03	\$6.8 60.7 61.8 62.9 65.3	0.413 0.469 0.410 0.50 0.514	4 - 250 ml amb 6 - 40 ml vial 2 - 250 ml plas 2 - 250 ml plas	per Yes s Yes tic Yes	No No No No No
Sampling Information: Sampling Information: SVOC PA	AH's STEX de s d Duplicate-03 licate?	\$6.8 60.7 61.8 63.9 65.3	0.413 0.469 0.410 0.50 0.514	4-250 ml amb 6-40 ml vial: 2-250 ml plas 2-250 ml plas	per Yes s Yes tic Yes	No No No No Ce Center

Sampling Personnel:	<u> </u>	2		Date:	3/9/17		
Job Number: 06-02882-134	100-160			Weather:	Cloudy	70°	
Well Id. LTMW-S10				Time In:	1520	Time Ou	t: 1645

Well Information							
		TOC	Other	Well Type		shmount	Stick-Up
Depth to Water: Depth to Bottom:	(feet)	17.18		Well Lock		Yes	No
Depth to Product:	(feet)	17.10		Well Mate	Point Marked:	Yes Xo	No ther:
Length of Water Column:	(feet)		. •	Well Dian			
Volume of Water in Well:	(gal)	1 9/7 6		Comment	s:		
Three Well Volumes:	(gal)	<u> </u>					
		V\$					
Division Left							
Purging Information				4			
Purging Method:	Bailer	Peristaltic	Grund	fos Pump	1.00	Conversion 1" ID 2" ID	
Tubing/Bailer Material:	Teflor			yethylene X	gal/ft. of	1 10 2 10	4 10 6 10
Sampling Method:	Bailer	—	K	fos Pump	water	0.04 0.16	0.66 1.47
Average Pumping Rate:	(ml/min)			· 	1 gallo		mL=1337cu, feet
Duration of Pumping:	(min)			1		***************************************	
Total Volume Removed:	(gal)	Di	d well go dry?	YesNo			
YSI 6920 or Horiba U-52 Water	Quality Meter	Used? Yes	No.				
Time DTW	Temp	pH	ORP	Conductivity	Turbidity	DO	TDS
(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
625 9699	7,415	6.56	60.3	0.63	610.8	3 06	0 627
10 9.99	7,91	6.45	444	0.657	355.3	2.36	0.657
5-35 9,99	\$ 00	6.41	d4.3	0.674	ə4 4 .1	1. 38	0.60
1540 9.98	7.4-9	6.42	19.3	0.676	-20 }. I	- 60	0.654
:545 9.98	7. 47	6.44	5.4	0.683	134.4	0-97	0.659
150 4.96	7.94_	6.44	3.4	Veryo	127.7	0.74	0.658
	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	
	**			·			
	<u> </u>				··		
							·
Sampling Information:							
EPA SW-846 Method 8270	SVOC I	PAH's			6 - 250 ml amb	er Yes	No
EPA SW-846 Method 8260	VOC's				9 - 40 ml vials		No
EPA Method 335.4	Cyan	te.			3 - 250 ml plas		No
	Meta	ilS			3 - 250 ml plas	tic Yes	XNo.
EPA Method 200.7	217 Camula	Time:	noutle-	to Matrice Outl-	~ 0247 C	Time	
Matrix Spike-0				te Matrix Spik	•		o Center
·	<u>7</u> Dur	olicate?	Duplica (es No No No		pped: Drop-off		

Greensburg, PA

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

	Sace Analytical	www.pacerabs.com
Sidney	ace	
	7	}

Section A Required Client Information:	rformation:	Section B Required Project Information:		Section C												_ <u>_</u>	Page: 1	1 of 2	
Company: GES - Syracuse	Syracuse	Report To: Mark Boorady (GES)		Attention: Accounts Payable via email at ges-invoices@gesonline.com	yable via ema	il at ges-invoic	es@geson	ne.com						BE	SIII AT	 	λON		
Address: 5 Techn	Address: 5 Technology Place, Suite 4	Copy To:		Company Name: Groundwater & Environmental Services, Inc.	ıdwater & Env	vironmental Se	rvices, Inc.					SHORN	ORP	GROF D.WATER		NAME OF THE PARTER	MATER		
East Syracuse, New York 13057	sw York 13057			Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	Place, Suite 4	I, East Syracus	e, NY 1305				Т	TSI.	100 B	<u>.</u>) James	Í		
Email To: mboorac	Email To: mboorady@gesonline.com	Purchase Order No.:		Pace Quote Reference:									STITE		Ę.		L	LAI T	Т
Phone: 800.220.3069, x4065		Project Name: National Grid - Rome Kingsley Pace Ave. Site, Rome, NY	me Kingsle	y Pace Project Manager: Rachel Christner	Rachel Christi	ner						LOCATION	Z			. S	_	α	
Requested Due D	Requested Due Date/TAT: Standard	Project Number: 06-02882-134400-221-1106		Pace Profile #:							<u> </u>	Filtered (Y/N)					L.		$\overline{}$
Section D	Required Client Information	Valid Matrix Codes MATRIX CODE PRINCIPLE OF THE ORDER PRINCIPLE OF THE ORD	-	COFF	COLLECTED				Prese	Preservatives	Ī	Requested			1	*	*	*	
	SAMPLE ID One Character per box. (A-Z, 0-91, -) Samples IDs MUST BE UNIQUE	Control of the contro	/B C=COWb	COMPOSITE STARY	Grae						<u> </u>	Analysis:							
					rots									\	<u> </u>	\	\ \ '		
			MATRIX CC				AMPLE TEMP AT CC							100 SEC.	(1005) (11 (100 (10 (10 (10 (10 (10 (10 (10 (1				
# M∋T!			MAS	DATE TIME	DATE	T TANK	/s	npreserved	CI NO ² SO ⁴	HOs ¿Os2s	guet egnano)		GOORD XI	(305.6) 20 (30.6) (30.6				Pace Project Number	<u> </u>
	LTMW-D01-0317P	317 R	WT		1	25.50		-	Н		+-		0/0/0	W .	+			Cab Lab	á l
۲,	LTMW-S01-0317	317 P	WT		-	258			1	-	T					1			_
3	LTMW-D02-0317	317 R	WT			(0%)					-								
	LTMW-S02-0317	317 🖔	W			1030							-			-			
2	LTMW-D03-0317	317	ΑΥ			38					-								DESCRIPTION OF THE PERSON OF T
Ç	LTMW-S03-0317 R	317 R	WT G			1300				-	1				1				***************************************
7	LTMW-D04-0317	317 R	ν. Ω			1135				-			, ·						omprance:
8	LTMW-S04-0317	317 R	WT		>	1135							-			-	-		1
Ę.		A CHARLES OF THE PARTY OF THE P	ω Γ]
01	eline de la complete	ari de com de ca de perpare escada que com acam acam de companya que que como de como de como de como de c	WT										-						_
		er yynne gyfriddi eildyn lâthau ann ach ann y pepydyn y pedig ni ynn y gan yn ar ach	WT G										_						1
	Andrew Company of the San San San San Spring to the San	45 000 100 000 000 000 000 000 000 000 00	WTG										_						T
Additional Comments:	nents:	тисти	RELINCUISHEI	JISHED DY / AFFILIATION		Evine	nane NC	ACCEPTED BY		METHATION:			() V()		S	AMPLE	SAMPLE CONDITIONS	SNS	
SAMPLES WILL ARRIVE IN	LL ARRIVE IN #	COOLERS.	9	N. M. A.	052	1 21/10/2	085										-	N/A	_
																-	N/A N/A	N/A	τ
Please send re	Please send reports to: mboorady@gesonline.com,	.com,		SELANDING THE ENGINEERING TO STREET, AND ASSESSMENT OF THE SELECTION OF TH													N/A N/A	N/A	Τ-
Syracuselabs	Syracuselabs@gesonline.com, ges@equisonline.com	ne.com					_							_				N/A	
SPECIFIC EDD NAME:	D NAME:			SAMIT I IN NAME PRINT Name of SAMPLER	SAMETER MARY AND SIGNATURE PRINT Name of SAMPLER:	SICNATURE											Apo 6	ionaci	
NGRome-lab	NGRome-labnumber.28351.EQEDD.zip			SIGNATURE of SAMPLER	SAMPLER:					DATE Signe	DATE Signed (MM / DD / YY)	(AA)			T	Temp	lce Dustr	səldwi	
				September Septem	TANDAMENT COLUMN TO THE PARTY OF THE PARTY O												,		

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

Kingsley Avenue, Rome, Ne							
Sampling Personnel:	-J/65			Date:	3/31/17		
Job Number: 06-02882-134	400-160			Weather:	32°F, 50	ain	
Well Id. LTMW-D01				Time In:	0850	Time Out:	0940
Well Information							
	. 1	TOC	Other	Well Type		 	Stick-Up
Depth to Water:		7, 7 7 46.84		Well Lock	ed: Point Marked:	Yes Yes	No No
Depth to Bottom: Depth to Product:	(feet)	40.04 NP		Well Mate		SSOth	
Length of Water Column:		39.06		Well Diam		2" Oth	ier:
Volume of Water in Well:	(gal)	6.2		Comment	s:		
Three Well Volumes:	(gal)	18.7				····	
Purging Information							
						Conversion F	
Purging Method:	Bailer	Peristaltic	<u> </u>	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflon	Stainless St.	k	yethylene	of	0.04 0.16	0.66 1.47
Sampling Method:	Bailer	Peristaltic	Grundt	fos Pump	water 1 gallo	0.04 0.16 on=3.785L=3785m	
Average Pumping Rate: Duration of Pumping:		50 30			1 90.00	AI-0.100E-0.00	12-1007-00.700.
Total Volume Removed:	(gal)		id well go dry?	Yes No	X		
YSI 6920 or Horiba U-52 Water			No	L	<u> </u>		
YSI 0920 OF HOLIDA U-02 WAG	(Quanty Meter C	iseu: 100				···	<u> </u>
Time DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS/
(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/b)
405 4084	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	
432 11.99	4.26	<i>\$-30</i>	-10-0	0.425	10-4	₩ V * V ·	
							\longrightarrow
							$\vdash\leftarrow$
							$\vdash \geq \vdash$
	<u></u>		<u> </u>				
Sampling Information:		***************************************					
							······································
							N
EPA SW-846 Method 8270	SVOC F	² AH's			2 - 250 ml amb		
) VOC's E	BTEX			3 - 40 ml vial	ls Yes	No C
EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA Method 335.4) VOC's E Cyani	BTEX ide			3 - 40 ml vial 1 - 250 ml plas	ls Yes stic Yes	No No
EPA SW-846 Method 8270 EPA SW-846 Method 8260) VOC's E	BTEX ide			3 - 40 ml vial	ls Yes stic Yes	No Z
EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA Method 335.4 EPA Method 200.7) VOC's E Cyani Meta	BTEX ide als	Yes∏No X	1 sr	3 - 40 ml vial 1 - 250 ml plas	ls Yes stic Yes stic Yes	No No No
EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA Method 335.4	VOC's E Cyani Meta	BTEX ide als plicate?	Yes No Yes No	S t	3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas nipped: Drop-off	ls Yes stic Yes stic Yes	No No No C

Kingsiey Aver	, , , , , , , , , , , , , , , , , , , ,							
Sampling Per	rsonnel: AS	5/65			Date:	3/31/17		
	06-02882-1344	1			Weathe	r: 32°F,	rain	
	LTMW-S01				Time In	00	Time Out:	0940
Well Info	ormation				\^/_U T.			itick-Up
Depth to Wate	- Art	(feet)	TOC 7.51	Other	Well Ty Well Lo	•	hmount S	No No
Depth to Botto		(feet)	16.92			ng Point Marked:	Yes X	No
Depth to Prod		(feet)	NP		Well Ma		⊠ssOth	****
Length of Wa		(feet)	9.41		Well Dia		2" X Oth	er:
Volume of Wa		(gal)	1.5		Comme	ents:		
Three Well Vo	olumes:	(gal)	7,>					
Purging In	nformation					<u> </u>	Conversion F	actors
Purging Metho	od:	Bailer	Peristaltic	Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon	Stainless St.	·	yethylene X	of		2 22 4 47
Sampling Met		Bailer	Peristaltic	Grundf	os Pump	water	0.04 0.16	
Average Pum			250			1 gand	on=3.785L=3785m	L=1337cu, reet
Duration of Pu Total Volume		(min) (gal)	<u>多0</u> <u>多</u> Di	id well go dry?	Yes	No.		
	oriba U-52 Water			No C		رين		
151 0920 01 HO	Jilba O-Jz Water	Quanty Meter C	Jseu: res		<u></u>			
Time	DTW	Temp	pH	ORP	Conductivi	- 1	DO	ŽĐS/
Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	(mS/cm)	(NTU)	(mg/L)	TPS/
Time	DTW (feet)	Temp (°C) 6.47	pH (S.U.) <i>\$</i> .79	ORP (mV)	(mS/cm) <i>O ∈ 788</i>	(NTU) 1 2-1	(mg/L) 0.70	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet)	Temp (°C) 6.47	pH (S.U.) <i>\$</i> .79	ORP (mV)	(mS/cm) <i>O ∈ 788</i>	(NTU) 1 2-1	(mg/L) 0.70	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time 905	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 12/2016	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet) 7.55	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time 905 920 935	DTW (feet) 7.55 7.53 7.53	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time	DTW (feet) 7.55 7.53 7.53	Temp (°C) 6.47 6.53	pH (S.U.) よって フ・ソフ	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 2 2.1 2 1,2	(mg/L) <i>O.</i> 70 0. 3 4	
Time 905 920 935 Sampling Inf	DTW (feet) 7.55 7.53 7.53	Temp (°C) 6.47 6.53 6.53	pH (S.U.) 8,79 7.47 7-36	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 7 201 9 1,2 8.0	(mg/L) 0.70 0.34 0.24	
Time 905 920 935 Sampling Inf	DTW (feet) 7.55 7.53 7.53 6ormation:	Temp (°C) 6.47 6.53 6.53	pH (S.U.) 3.79 7.47 7-36	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 2 2.1 2 1,2	(mg/L)	
Sampling Inf	DTW (feet) 7.55 7.53 7.53	Temp (°C) 6.47 6.53 6.53	pH (S.U.) 8.79 7.47 7-36	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 12.1 11.2 8.0 2-250 ml aml	(mg/L) O:70 O:34 O:34	No X
Sampling Info	DTW (feet) 7.55 7.53 7.53 6 Ormation: 46 Method 8270 46 Method 8260	Temp (°C) 6.47 6.53 6.53 8.53	pH (S.U.) \$. 79 7.47 7- 36 PAH's	ORP (mV) -55.6	(mS/cm) 0 : 788 0.18 1 22216	(NTU) 2 - 1 2 - 250 ml aml 3 - 40 ml vial	er Yes	No X No X
Sampling Info	DTW (feet) 7.55 7.53 7.53 6 Method 8270 46 Method 8260 lethod 335.4 lethod 200.7	Temp (°C) 6.47 6.53 6.53 SVOC F VOC's E Cyani Meta	pH (S.U.) \$.79 7.47 7-36 PAH's BTEX ide	ORP (mV) -55.6 -67.1 -73.4	(mS/cm) 0 : 788 0.789 0.789	2 - 250 ml aml 3 - 40 ml vial 1 - 250 ml plas	mg/L) O: 70 O: 3 4 O: >4 O: stic Yes stic Yes stic Yes	
Sampling Info	DTW (feet) 7.55 7.53 7.53 6 Method 8270 46 Method 8260 lethod 335.4	Temp (°C) 6.47 6.53 6.53 SVOC F VOC's E Cyani Meta	pH (S.U.) \$3.79 7.47 7-36 PAH's BTEX ide als	ORP (mV) -55.6 -67.1 -73.4	(mS/cm) 0 : 788 0.789 0.789	2 - 250 ml aml 3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas	mg/L) O: 70 O: 3 4 O: >4 O: stic Yes stic Yes stic Yes	No X No X No X

National Grid Kingsley Ave	d enue, Rome, Ne	ıw York						
Sampling Per	rsonnel:				Date:	3/31//7		
	: 06-02882-1344	400-160			Weather:	35 m	in	
10 (dis.	LTMW-S02					950	Time Out:	
Well Inf	formation		тос	Other	Well Type	· Flus	shmount S	Stick-Up
Depth to Wat Depth to Bott Depth to Prod Length of Wat Volume of Wat Three Well V	tom: duct: ater Column: /ater in Well:	(gal) j	7.55 17.98 NP 8.43 1.3	One	Well Locke	ed: Point Marked: erial: PVC neter: 1"	Yes Yes South Yes Oth	No N
Purging Meth Tubing/Bailer Sampling Me Average Pum Duration of P Total Volume	r Material: ethod: nping Rate: Pumping:	(gal)		Polye	os Pump ethylene os Pump Yes No		Conversion F 1" ID 2" ID 0.04 0.16 on=3.785L=3785m	4" ID 6" ID 0.66 1.47
Time	DTW	Toma	nu T	ORP	Conductivity	Turbidity	DO	TDŞ 📗
line	(feet)	Temp (°C)	pH (S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(S (L)
955	9.38	5.65	7071	-53.1	0,439	129	0.64	
1010	9.34	5.21	7,20	-68,2	0.658	2 2.0	0,23	
1025	1.35	5,37	7. (2	-68.9	0.407	23-1	0-31	
								\longrightarrow
	-							$+\leftarrow$
					:	·		
								3
			1					
EPA SW-84 EPA Me EPA Me	formation: 46 Method 8270 46 Method 8260 lethod 335.4 lethod 200.7 LTMW-S02-03	SVOC PF VOC's B1 Cyanid Metals B17 Dupl	TEX de s	′es∏No⊠	Sh	2 - 250 ml amb 3 - 40 ml vials 1 - 250 ml plast 1 - 250 ml plast ipped: Drop-off	s Yes stic Yes stic Yes	No X No X No X No X
Sample Time:	1030	··············		es No			p by Syracuse C	

Comments/Notes:

Laboratory:

PACE Analytical Greensburg, PA

		and an experience of the second secon	and the second section of the second sections.		Service and the service of the servi	***************************************
Sampling Personnel:			Date:	3/31/17		
Job Number: 06-02882-134400-160		· · · · · · · · · · · · · · · · · · ·	Weather:	35°, ra	in	
Well Id. LTMW-D02			Time In:	950	Time Out:	
Well Information			- A-A-M	· · · · · · · · · · · · · · · · · · ·		
7700 Intornacion	TOC	Other	Well Type	: Flus	hmount S	Stick-Up
Depth to Water: (feet)	0,51		Well Lock		Yes	No
Depth to Bottom: (feet)	40.29		Measuring Well Mate	Point Marked:	Yes X Oth	No.
Depth to Product: (feet) Length of Water Column: (feet)	NP 29.78		Well Diam		SS Oth	
Volume of Water in Well: (gal)	4.7		Comment		L_ '	IOI.
Three Well Volumes: (gal)	14.2		<u> </u>			
Purging Information					***************************************	
					Conversion F	
	ailer Peristaltic		os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
	flon Stainless St.	K	ethylene	of	0.04 0.16	0.66 1.47
Sampling Method: Ba Average Pumping Rate: (ml/min)	ailer Peristaltic	Grunato	os Pump	water	0.04 0.16 on=3.785L=3785m	L
Duration of Pumping: (min)	30			1 9500	//	1E 1007 0d. 1001
Total Volume Removed: (gal)		id well go dry?	Yes No	V		
YSI 6920 or Horiba U-52 Water Quality Met	ter Used? Yes	No	<u></u> -			
Time DTW Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
(feet) (°C)	(S.U.) 7.70	(mV)	(mS/cm) 0 = 436;	(NTU) えるし	(mg/L) ()∗99	(g/J _r)
1010 11.21 4.07	7,37	2.4	n 691	13.3	0.76	
1025 11.37 4.77	7.36	- 20.3	6,707	12.6	0.38	
		.				
Sampling Information:						
Sampling Information:						
,	C PAH's			2 - 250 ml amk	per Yes	No X
EPA SW-846 Method 8270 SVOC	's BTEX			3 - 40 ml vial	s Yes	No Z
EPA SW-846 Method 8270 SVOC EPA SW-846 Method 8260 VOC EPA Method 335.4 Cy	's BTEX yanide			3 - 40 ml vial 1 - 250 ml plas	s Yes stic Yes	No Z
EPA SW-846 Method 8270 SVOC EPA SW-846 Method 8260 VOC EPA Method 335.4 Cy	's BTEX			3 - 40 ml vial	s Yes stic Yes	No Z
EPA SW-846 Method 8270 SVOC EPA SW-846 Method 8260 VOC EPA Method 335.4 Cy EPA Method 200.7 M	's BTEX vanide letals	Yes No X	Shi	3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas	s Yes stic Yes	No X
EPA SW-846 Method 8270 SVOC EPA SW-846 Method 8260 VOC EPA Method 335.4 Cy EPA Method 200.7 M	's BTEX vanide letals Duplicate?	Yes No Yes No	Shi	3 - 40 ml vial 1 - 250 ml plas 1 - 250 ml plas pped: Drop-off	s Yes stic Yes stic Yes	No No No Center

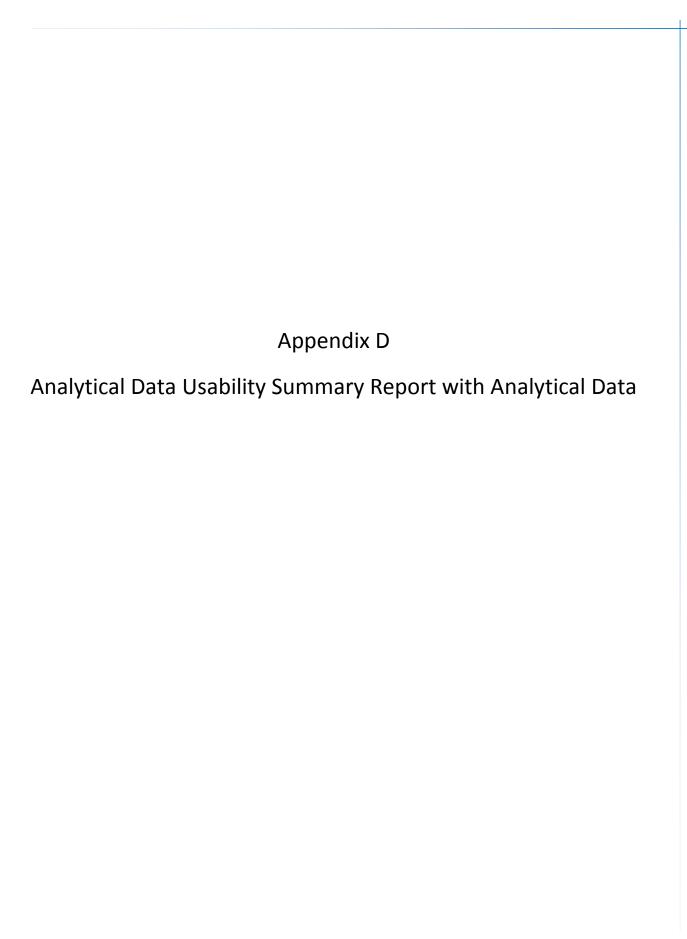
Sampling Per	sonnel: A	5/65			Date:	3/3//17		
Job Number:					Weathe	· · · · · · · · · · · · · · · · · · ·	sid1	······································
	LTMW-S03	7700 100			Time In	¥ 1	Time Out	•
weiria.	F138188-202	<u> </u>			Inno iii	. 10-	11110 000	
Well Info	ormation							
			TOC	Other	Well Ty	•	hmount	Stick-Up
Depth to Wate		(feet)	2.83		Well Lo		Yes	No
Depth to Botto		(feet)	13.70			ng Point Marked:	Yes	No
Depth to Prod		(feet)	NP		Well Ma Well Dia		<u> </u>	her:
Length of War Volume of War		(feet)	10.87		Comme		2" X Ott	ner:
Three Well Vo		(gal) (gal)	5.2		Commo	ii ito.		
IIIICO VVON T	Marios.	(941)						
Purging In	nformation				<u></u>	····		
			 	K71			Conversion I	
Purging Metho		Bailer	······································	K	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer	····	Teflon			ethylene	of	0.04 0.16	0.66 1.47
Sampling Met		Bailer	Peristaltic	Grunato	os Pump	water	n=3.785L=3785n	·
Average Pum Duration of Pu	`	(ml/min)	<u> </u>			1 yan)N=3.700L=3700i:	IL-133700. 1661
Total Volume		(min) (gal)		d well go dry?	Yes	No 🔽		
			1,000		, ~~	<u>г. э</u>		
YSI 6920 or Ho	riba U-52 wate	r Quality Meter t	Used? Yes	∑ No □				

II Time I	חדוא/	Tomp	l n⊔	I Ago	Conductivi	ty Turbidity	I DO	TD\$ I
Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivi (mS/cm)	1	DO (mg/L)	TDS (g/L/
	(feet)	Temp (°C)	pH (S.U.)	ORP (mV) - 36.4	Conductivi (mS/cm)	ty Turbidity (NTU)	DO (mg/L)	1 1
Time 1325		(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	1 1
1332	(feet) ১১১১	(°C)	(S.U.) 6. 9 <u></u>	(mV) −38.4	(mS/cm) ().359	(NTU)	(mg/L) 0.61	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325) - ধুট ১- ধুট ১- ধুট	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325	(feet) 3.85 2.84	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	1 1
1325	(feet) 3.85 2.84	(°C)	(S.U.) 6. 95 6. 83	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39	
1925 1240 1255	(feet) 3.85 2.84	(°C) 1.19 1.05 1.05	(S.U.) 6.95 6.83 6.78	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61.5 19.1	(mg/L) 0.67 0.39 0.31	(g/lx)
1925 1240 1255 Sampling Info	(feet)	(°C) 1.19 1.105 1.105	(S.U.) 6.95 6.83 6.78	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61. 5 19.1 11, 2 2 - 250 ml aml 3 - 40 ml via	(mg/L) 0.67 0.39 0.31 per Yes s Yes	(g/lx)
Sampling Info EPA SW-84 EPA SW-84	(feet) 3.45 2.84 cormation:	(°C) 1.19 1.105 1.105	(S.U.) 6.95 6.83 6.78 PAH'S BTEX	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	2 - 250 ml aml 3 - 40 ml via 1 - 250 ml plat	oer Yes	(9/X) No
Sampling Info EPA SW-84 EPA SW-84 EPA Me	ormation: 6 Method 8270 6 Method 8260	(°C) 	(S.U.) 6.95 6.83 6.78 PAH's BTEX	(mV) -38.4 -31.1	(mS/cm) 0-351 0-394	(NTU) 61. 5 19.1 11, 2 2 - 250 ml aml 3 - 40 ml via	oer Yes	(g/lx)
Sampling Info EPA SW-84 EPA SW-84 EPA Me EPA Me	ormation: 6 Method 8270 6 Method 8260 ethod 335.4 ethod 200.7	SVOC VOC's Cyan Meta	(S.U.) 6.95 6.83 7.78 PAH's BTEX side als	(mV) -38.4 -31.1 -32.0	(mS/cm) 0.359 0.314 0.411	2 - 250 ml aml 3 - 40 ml via 1 - 250 ml plas	o. 67 o. 39 o. 39 o. 31 oer Yes stic Yes stic Yes	(9/x) No XX No Xo No X
Sampling Info EPA SW-84 EPA Me EPA Me Sample ID:	(feet) 2.84 2.84 cormation: 6 Method 8270 6 Method 8260 ethod 335.4 ethod 200.7 LTMW-S03-0	SVOC VOC's Cyan Meta	PAH's BTEX side als	(mV) - 3 € 4 - 31 · 1 - 32 · O	(mS/cm) 0.359 0.314 0.411	2 - 250 ml am 3 - 40 ml via 1 - 250 ml plas 1 - 250 ml plas	oer Yes stic Yes f Syracuse Service	No X No X No
Sampling Info EPA SW-84 EPA SW-84 EPA Me EPA Me	ormation: 6 Method 8270 46 Method 8260 ethod 335.4 ethod 200.7	SVOC VOC's Cyan Meta	PAH's BTEX side als	(mV) -38.4 -31.1 -32.0	(mS/cm) 0.359 0.314 0.411	2 - 250 ml am 3 - 40 ml via 1 - 250 ml plas 1 - 250 ml plas	o. 67 o. 39 o. 39 o. 31 oer Yes stic Yes stic Yes	No No No No No No Courier

Mingsley Avenue, IN	.o., 140W 101K	2.4					2000
Sampling Personne	1: A5/C5			_Date: _⊰	131/17		
Job Number: 06-02	882-134400-160			Weather:	36°F, 10	7:07	
Well Id. LTMW	-D03			Time In:	1200	Time Out:	
		<u> </u>					
Well Informati	on	estates.				**************************************	5-7
		TOC	Other	Well Type			tick-Up
Depth to Water:	(feet)	4.35		Well Lock		Yes	No
Depth to Bottom: Depth to Product:	(feet)	40.73 NP		Measuring Well Mate	Point Marked:	Yes X Oth	No
Length of Water Co	(feet)	36.38		Well Diam		2" \ Oth	
Volume of Water in		5.8		Comment			
Three Well Volume		17-4					
						······································	
	-						
Purging Informa	tion						····
				—		Conversion F	actors 4" ID 6" ID
Purging Method:		iler Peristalti		fos Pump yethylene	gal/ft. of	1" ID 2" ID	4 10 6 10
Tubing/Bailer Mater Sampling Method:		lon Stainless S iler Peristalti	_	fos Pump	water	0.04 0.16	0.66 1.47
Average Pumping F		2 <i>5</i> 0	O Commo	ios i dinp	<u> </u>	on=3.785L=3785m	
Duration of Pumpin		70			<u> </u>		
Total Volume Remo			Did well go dry?	Yes No	区		
YSI 6920 or Horiba U-	52 Water Quality Met	er Used? Ye	s No				
			<u> </u>				
Time D	TW Temp	рН	ORP	Conductivity	Turbidity	DO	TDS:
11 1	eet) (°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	
	·56 6.98	9.37	918Cl **	0.955	29.4	7.44	
	96 7.26	10.72	119.3	0,371	15.9	5,49	~
1310 6.	48 7-70	7.56	-111.3	0.663	7.4	5.74	\rightarrow
							- 5-1
			<u> </u>				
Sampling Informati	on:						
55 3 0 4 0 4 0 A A - 1 h	10070	O DALU.			2 - 250 ml aml	oor Yes	X No X
EPA SW-846 Meth EPA SW-846 Meth		C PAH's 's BTEX			3 - 40 ml vial		No &
EPA SW-846 Metr		/anide			1 - 250 ml plas		No
EPA Method 2	-	letals			1 - 250 ml plas		№ №
= ,							·
1[-
Sample ID: LTMV	V-D03-0317	Ouplicate?	Yes No X	Sh	• •	f Syracuse Service	1
i ' 		Ouplicate? MS/MSD?	Yes No No No	Sh	• •	f Syracuse Service ip by Syracuse (

Kingsley Avenue, Rome, New York	
Sampling Personnel:	Date: ^{'3} /3\/ 7
Job Number: 06-02882-134400-160	Weather: 35 Ruin
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:
Tubing/Bailer Material: Teflon Stainless St.	
Time DTW Temp pH ORP (feet) (°C) (S.U.) (mV) 11.00 8.23 4.05 6.64 389. 11.15 8.23 4.16 6.37 335.5 11.30 8.23 4.16 6.35 342.3	5 0.331 -2.4 6.25
Sampling Information: EPA SW-846 Method 8270 SVOC PAH's EPA SW-846 Method 8260 VOC's BTEX EPA Method 335.4 Cyanide EPA Method 200.7 Metals Sample ID: LTMW-S04-0317 Duplicate? Yes No Sample Time: 135 MS/MSD? Yes No	2 - 250 ml amber Yes No 3 - 40 ml vials Yes No 1 - 250 ml plastic Yes No 1 - 250 ml plastic Yes No Shipped: Drop-off Syracuse Service Center Pick-up by Syracuse Courier Laboratory: PACE Analytical

						m 1. 2 f.		<u>a ta este de la Cita de la comitación d</u>
Sampling Per	rsonnel:				Date:	3/31/17		
Job Number.	06-02882-134	400-160			Weathe	r. 35 rain	· · · · · · · · · · · · · · · · · · ·	
Well Id.	LTMW-D04				Time In	: 1050	Time Out:	1140
Well Info	ormation							K 7
			TOC	Other	Well Ty			Stick-Up
Depth to Wat		(feet)	4 6.36		Well Lo	скеа: ng Point Marked:	Yes Yes	No No
Depth to Botte Depth to Proc		(feet)	40.36		Well Ma		SS Oth	
Length of Wa		(feet)	36-43		Well Dia		2" \ Oth	
Volume of Wa		(gal)	5.82		Comme		······	
Three Well Vo		(gal)	Ó,44			<u>,</u>		
Purging Ir	nformation					<u> </u>	Conversion F	actore
Purging Meth	- A.	Bailer	Peristaltic	. Grundfi	os Pump	~01/ft	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon	Peristaltic Stainless St.	F	ethylene	gal/ft. of	1 10 2 1-	
Sampling Met		Bailer		[]	os Pump	water	0.04 0.16	0.66 1.47
Average Pum			250	********	•	1 gallo	n=3.785L=3785m	L=1337cu. feet
Duration of P	'umping:		30					
Total Volume	Removed:	(gal)	<u>る</u> Di	id well go dry?	YesN	10 📈		
YSI 6920 or Ho	oriba U-52 Water	Quality Meter l	Jsed? Yes	No.				
<u>L</u>								
Time	. DTW	Temp	рН	ORP	Conductivit	1 5	DO	TDS
	(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
(100	10,46	7.23	7.09	-700	0.397	26.2	0.26 Dolo	
2005 1115	10.25	6.12	7.7/	-70.1× -72.4	0.562		0.52	
1130	10.21	6.13	7,72	-86.5	056	2 2 2	0.49	
	 	- 1 0		100° No.P				
								-
	1							
	<u> </u>							$-\leftarrow$
			<u>é</u>					· · · · · · · · · · · · · · · · · · ·
	<u> </u>							
Sampling Inf	formation:							
Sampling Inf	formation:							
	formation: 46 Method 8270	SVOC I	PAH's			2 - 250 ml amb	· ·	
EPA SW-84		SVOC I				2 - 250 ml amb 3 - 40 ml vials		No X
EPA SW-84 EPA SW-84	46 Method 8270		BTEX			3 - 40 ml vials 1 - 250 ml plas	s Yes tic Yes	No X No
EPA SW-84 EPA SW-84 EPA M	46 Method 8270 46 Method 8260	VOC's	BTEX nide			3 - 40 ml vials	s Yes tic Yes	No X
EPA SW-84 EPA SW-84 EPA M EPA M	46 Method 8270 46 Method 8260 lethod 335.4 lethod 200.7	VOC's Cyan Meta	BTEX nide als			3 - 40 ml vials 1 - 250 ml plas 1 - 250 ml plas	s Yes tic Yes tic Yes	No X No No
EPA SW-84 EPA SW-84 EPA M EPA M Sample ID:	46 Method 8270 46 Method 8260 lethod 335.4 lethod 200.7	VOC's Cyan Meta 317 Duj	BTEX aide als plicate?	Yes No		3 - 40 ml vials 1 - 250 ml plas 1 - 250 ml plas Shipped: Drop-off	s Yes tic Yes tic Yes Syracuse Service	No X No X No X
EPA SW-84 EPA SW-84 EPA Me	46 Method 8270 46 Method 8260 lethod 335.4 lethod 200.7	VOC's Cyan Meta 317 Duj	BTEX aide als plicate?	Yes No Yes No		3 - 40 ml vials 1 - 250 ml plas 1 - 250 ml plas Shipped: Drop-off	s Yes tic Yes tic Yes	No No No No Center Courier







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 μ g/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

fartwick >

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

(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,

Pachel & Christman

Rachel Christner rachel.christner@pacelabs.com
Project Manager

Enclosures

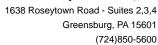
cc: GES Reports - Syracuse, Groundwater & Environmental Services, Inc.

Mr. Mark Boorady, Groundwater & Environmental Services,

Ms. Cheryl Golden-Walts, Groundwater & Environmental

Services, Inc.







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 lowa 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



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

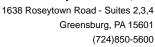


SAMPLE ANALYTE COUNT

Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

TMW-01-0117 EPA 8270D by SIM TMK 19 PASI-PA	Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
1	30207893001	LTMW-01-0117	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C			EPA 8260C	JAS	10	PASI-PA
30207893003	30207893002	LTMW-02-0117	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C			EPA 8260C	JAS	10	PASI-PA
\$\begin{align***2007a*** \$\begin{align***2007a***2007a***} align***2007a***2	30207893003	LTMW-03-0117	EPA 8270D by SIM	TMK	19	PASI-PA
PASI-PA PASI			EPA 8260C	JAS	10	PASI-PA
\$\begin{align***2007893005} \end{align***2007893005} \end{align***2007893005} \end{align***2007893006} \end{align***2007893006} \end{align***2007893006} \end{align***2007893006} \end{align***2007893006} \end{align***2007893007} \end{align**2007893007} \end{align***2007893007} \end{align***2007893007} \end{align***2007893007} \end{align***2007893007} align***200	30207893004	LTMW-04-0117	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C			EPA 8260C	JAS	10	PASI-PA
30207893006	30207893005	LTMW-05-0117	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 30207893008 LTMW-13-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893009 LTMW-14-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893009 LTMW-14-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893010 LTMW-15-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893011 ORS-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893012 MH-1-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893013 Field Duplicate-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893014 LTMW-04-0117 MS EPA 8270D by SIM TMK 19 PASI-PA 30207893015 LTMW-04-0117 MS EPA 8270D by SIM TMK 19 PASI-PA 30207893016 EPA 8260C JAS 10 PASI-PA 30207893017 EPA 8260C JAS 10 PASI-PA 30207893018 EPA 8260C JAS 10 PASI-PA 40207893019 EPA 8260C JAS 1			EPA 8260C	JAS	10	PASI-PA
TMW-12-0117 EPA 8270D by SIM TMK 19 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA	30207893006	LTMW-6A-0117	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C			EPA 8260C	JAS	10	PASI-PA
30207893008 LTMW-13-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893009 LTMW-14-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893010 LTMW-15-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893011 DRS-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893012 MH-1-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893013 MH-1-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893014 MH-1-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893013 Field Duplicate-0117 EPA 8270D by SIM TMK 19 PASI-PA 30207893014 LTMW-04-0117 MS EPA 8270D by SIM TMK 19 PASI-PA 30207893015 LTMW-04-0117 DMS EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8260C	30207893007	LTMW-12-0117	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C JAS 10 PASI-PA			EPA 8260C	JAS	10	PASI-PA
BPA 8270D by SIM	30207893008	LTMW-13-0117	EPA 8270D by SIM	TMK	19	PASI-PA
BPA 8260C JAS 10 PASI-PA 30207893010 LTMW-15-0117 EPA 8270D by SIM TMK 19 PASI-PA BPA 8260C JAS 10 PASI-PA BPA 8270D by SIM TMK 19 PASI-PA BPA 8270D by SIM TMK 19 PASI-PA BPA 8270D by SIM TMK 19 PASI-PA BPA 8260C JAS 10 PASI-PA BPA 8260C JAS 10 PASI-PA BPA 8270D by SIM TMK 19 PASI-PA BPA 8260C JAS 10 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 BPA 8260C JAS 10 PASI-PA BPA 8270D by SIM TMK 19 PASI-PA BPA 8260C JAS 10 PASI-PA BPA 8260C	30207893009	LTMW-14-0117	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 EPA 8270D by SIM TMK 19 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA BEPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 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 EPA 8260C JAS 10 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 EPA 8260C JAS 10 PASI-PA 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 30207893012 MH-1-0117 EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 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 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 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 EPA 8260C JAS 10 PASI-PA	30207893011	ORS-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 EPA 8260C JAS 10 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 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	30207893012	MH-1-0117	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 EPA 8260C JAS 10 PASI-PA EPA 8270D by SIM TMK 19 PASI-PA EPA 8260C JAS 10 PASI-PA EPA 8260C JAS 10 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	30207893013	Field Duplicate-0117	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			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	30207893014	LTMW-04-0117 MS	EPA 8270D by SIM	TMK	19	PASI-PA
EPA 8260C JAS 10 PASI-PA			EPA 8260C	JAS	10	PASI-PA
	30207893015	LTMW-04-0117 DMS	EPA 8270D by SIM	TMK	19	PASI-PA
30207893016 Trip Blank EPA 8260C JAS 10 PASI-PA			EPA 8260C	JAS	10	PASI-PA
	30207893016	Trip Blank	EPA 8260C	JAS	10	PASI-PA





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.

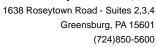
Laboratory Control Spike:

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:





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.



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-01-0117	Lab ID: 302	207893001	Collected:	01/11/17	13:20	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results I	Jnits	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
3270D MSSV PAH by SIM	Analytical Met	hod: EPA 8	270D by SIM	l Preparat	ion Met	hod: 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		ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:24	120-12-7	
Benzo(a)anthracene		ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 21:24	56-55-3	
Benzo(a)pyrene		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	
ndeno(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	
3260C MSV	Analytical Met	hod: EPA 8	260C						
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 18:21	71-43-2	
Ethylbenzene		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		
4-Bromofluorobenzene (S)	109	%	81-119		1		01/17/17 18:21		
1,2-Dichloroethane-d4 (S)	92	%	77-126		1		01/17/17 18:21		
Dibromofluoromethane (S)	94	%	70-130		1		01/17/17 18:21	1868-53-7	
Sample: LTMW-02-0117	Lab ID: 302	207893002	Collected:	01/11/17	10:50	Received: 01/	13/17 09·40 Ms	atrix: Water	
Jampio. Elimit V2-VIII	Lab 10. 302	.0.00002		01/11/17	10.00	110001100. 01/	10, 17 00.70 1016	Zuiz. VValoi	
Parameters	Results	Jnits	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
3270D MSSV PAH by SIM	Analytical Met	hod: EPA 8	 270D by SIM	Preparat	ion Met	hod: 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		ug/L	0.098	0.014	1	01/18/17 11:16	01/18/17 21:41		
Anthracene		ug/L	0.098	0.014	1	01/18/17 11:16	01/18/17 21:41		
		-		0.012		01/18/17 11:16			
Benzo(a)anthracene	ND	ug/L	0.098	()(114	1	()1/18/1/ 11116	01/18/17 21:41	5h-55-3	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-02-0117	Lab ID: 30	207893002	Collected	l: 01/11/17	10:50	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8270D MSSV PAH by SIM	Analytical Me	thod: EPA 82	270D by SI	M Preparat	ion Met	hod: 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		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 Me	thod: EPA 82	260C						
Benzene	ND	ug/L	1.0	0.16	1		01/17/17 18:48	71-43-2	
Ethylbenzene		ug/L	1.0	0.23	1		01/17/17 18:48	100-41-4	
Toluene		ug/L	1.0	0.13	1		01/17/17 18:48		
Xylene (Total)		ug/L	3.0	0.55	1		01/17/17 18:48		
m&p-Xylene		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		
Surrogates		Ü							
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: 30	207893003	Collected	l: 01/11/17	11:55	Received: 01/	13/17 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Propared	Analyzod	CAS No.	Qua
Faiameters					DF	Prepared	Analyzed	CAS NO.	Qua
8270D MSSV PAH by SIM	Analytical Me	thod: EPA 82	270D by SI	M Preparat	ion Met	hod: EPA 3510C			
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58		
Acenaphthylene	ND	ug/L	0.10	0.014	1	01/18/17 11:16	01/18/17 21:58		
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 21:58		
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/18/17 21:58		
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16			
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 21:58		
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/18/17 21:58		
Benzo(k)fluoranthene	ND	ug/L	0.10	0.011	1	01/18/17 11:16	01/18/17 21:58		
Chrysene	ND	ug/L	0.10	0.0076	1	01/18/17 11:16	01/18/17 21:58		
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	04/40/47 04 50	FO 70 0	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-03-0117	Lab ID: 3	0207893003	Collected:	01/11/17	11:55	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical M	lethod: EPA 8	270D by SIM	1 Preparat	ion Met	thod: 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		J							
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 M	lethod: EPA 8	260C						
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		3							
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	
			0 !! !	04/44/4		D : 1 04/	10/17 00 10 11		
Sample: LTMW-04-0117	Lab ID: 3	0207893004	Collected:	01/11/17	12:45	Received: 01/	13/17 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical M	lethod: EPA 8	270D by SIM	1 Preparat	ion Met	thod: 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		
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/18/17 22:16		
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1	01/18/17 11:16			
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1		01/18/17 22:16		
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/18/17 22:16		
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16			
Benzo(k)fluoranthene	ND ND	ug/L ug/L	0.10	0.013	1		01/18/17 22:16		
Chrysene	ND	ug/L ug/L	0.10	0.0076	1		01/18/17 22:16		
Dibenz(a,h)anthracene	ND ND	ug/L ug/L	0.10	0.0076	1		01/18/17 22:16		
	ND ND	ug/L ug/L	0.10	0.020	1	01/18/17 11:16			
		-		0.011	1		01/18/17 22:16		
Fluoranthene		ua/l	0.10			V1/10/1/11.10			
Fluoranthene Fluorene	ND	ug/L	0.10						
Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene	ND ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 22:16	193-39-5	
Fluoranthene Fluorene	ND	-				01/18/17 11:16 01/18/17 11:16		193-39-5 91-57-6	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-04-0117	Lab ID:	30207893004	Collected	d: 01/11/17	12:45	Received: 01/	13/17 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
1 drameters						Ticparcu	Analyzed	- OAO NO.	
3270D MSSV PAH by SIM	Analytical	Method: EPA 8	270D by SI	M Preparat	tion Met	thod: 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	FO	0/	10 100		4	04/40/47 44.46	04/49/47 22:46	204 60 9	
2-Fluorobiphenyl (S) Terphenyl-d14 (S)	52 64	% %	19-123		1 1	01/18/17 11:16	01/18/17 22:16 01/18/17 22:16		
rerprienyi-d14 (S)	04	70	58-130		ı	01/16/17 11:16	01/16/17 22:16	1716-51-0	
3260C MSV	Analytical	Method: EPA 8	260C						
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	
1-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	d: 01/11/17	13:55	Received: 01/	13/17 09:40 Ma	atrix: Water	
Sample: LTMW-05-0117			Report			Received: 01/	13/17 09:40 Ma		
Sample: LTMW-05-0117 Parameters	Lab ID:	30207893005 Units		d: 01/11/17 MDL	' 13:55 DF	Received: 01/	13/17 09:40 Ma	etrix: Water CAS No.	Qua
Parameters	Results	Units	Report Limit	MDL .	DF		Analyzed		Qua
Parameters 3270D MSSV PAH by SIM	Results	Units	Report Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
Parameters 2270D MSSV PAH by SIM Acenaphthene	Results Analytical	Units	Report Limit 270D by SI	MDL M Preparat	DF tion Me	Prepared thod: EPA 3510C	Analyzed	CAS No. 83-32-9	Qua
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene	Results Analytical	Units Method: EPA 8 ug/L ug/L	Report Limit 270D by SI 0.10	MDL M Preparat 0.016	DF tion Met	Prepared thod: EPA 3510C	Analyzed 01/18/17 22:33	CAS No. 83-32-9 208-96-8	Qua
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene	Results Analytical ND ND	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10	MDL M Preparat 0.016 0.014	DF tion Met 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7	Qua
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene	Results Analytical ND ND ND ND	Units Method: EPA 8 ug/L ug/L ug/L	Report Limit 270D by SI 0.10 0.10 0.10	MDL M Preparat 0.016 0.014 0.013	DF tion Met 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3	Qua
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene	Results Analytical ND ND ND ND Onlo	Units Method: EPA 8 ug/L ug/L ug/L ug/L ug/L ug/L ug/L	Report Limit	MDL M Preparat 0.016 0.014 0.013 0.015	DF tion Met 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8	Qua
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	Analytical ND ND ND O.10 0.13	Units Method: EPA 8 ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	Report Limit	MDL O.016 0.014 0.013 0.015 0.0072	DF tion Met 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2	
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	Analytical ND ND ND O.10 0.13 0.26	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10	MDL 0.016 0.014 0.013 0.015 0.0072 0.016	DF tion Met 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2	ip
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	Analytical ND ND ND O.10 0.13 0.26 0.14	Units Method: EPA 8 ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019	DF tion Met 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene	Results Analytical ND ND O.10 0.13 0.26 0.14 0.23	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9	ip
Parameters 2270D MSSV PAH by SIM Acenaphthene Acenaphthylene Acenaphthylene Acenaphthylene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene	Results Analytical ND ND O.10 0.13 0.26 0.14 0.23 0.13	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3	ip
Parameters 3270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	Results Analytical ND ND O.10 0.13 0.26 0.14 0.23 0.13 ND	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0	ip
Parameters 3270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene	Results Analytical ND ND O.10 0.13 0.26 0.14 0.23 0.13 ND 0.18	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7	ip
Parameters 3270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5	ip
Parameters 2270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene P-Methylnaphthalene	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND ND	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6	ip
Parameters 2270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene PMethylnaphthalene Naphthalene	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.028 0.021	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3	ip
Parameters 3270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene ndeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL Output O	DF tion Met 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8	ip
Parameters 3270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene ndeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene Pyrene	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL Output M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.021 0.018	DF tion Met 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8	ip
Parameters B270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene Pyrene Surrogates 2-Fluorobiphenyl (S)	Results Analytical ND ND 0.10 0.13 0.26 0.14 0.23 0.13 ND 0.18 ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L ug/L	Report Limit 270D by SI 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	MDL Output O	DF tion Met 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33 01/18/17 22:33	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8 129-00-0	ip



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-05-0117	Lab ID:	30207893005	Collected:	01/11/17	13:55	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytica	l Method: EPA 8	260C						
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		
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 Ma	atrix: Water	
odinpie. Eriitt on orri	Lub ID.	00207030000		01/11/17	11.10	reconved. 01/	10/17 00.40 Wit	atrix. Water	
5	5	11.2	Report	MDI	55			0404	0 1
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytica	Method: EPA 8	270D by SIM	Preparat	ion Met	thod: 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 22:51		
Surrogates		5	-						
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	Analytica	Method: EPA 8	260C						
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		
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 20:38		
-		-							
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 20:38	1330-20-7	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-6A-0117	Lab ID:	30207893006	Collected	01/11/17	7 11:15	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical	Method: EPA 8	260C						
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		
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	7 09:50	Received: 01/	13/17 09:40 Ma	atrix: Water	
•			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical	Method: EPA 8	270D by SIM	1 Prepara	tion Me	hod: 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	
ndeno(1,2,3-cd)pyrene	ND	ug/L	0.096	0.026	1	01/18/17 11:16	01/18/17 23:08		
2-Methylnaphthalene	ND	ug/L	0.096	0.020	1	01/18/17 11:16	01/18/17 23:08		
Naphthalene	ND	ug/L	0.096	0.017	1	01/18/17 11:16	01/18/17 23:08		
Phenanthrene	ND	ug/L	0.096	0.015	1	01/18/17 11:16	01/18/17 23:08		
Pyrene	ND	ug/L	0.096	0.012	1	01/18/17 11:16	01/18/17 23:08		
Surrogates	.,,5	~ ₃ , –	0.000	5.01 <u>L</u>	•	2.7.07.17.110	2.7.13,77.20.00		
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		
8260C MSV	Analytical	Method: EPA 8	260C						
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		
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	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-12-0117	Lab ID:	30207893007	Collected	: 01/11/17	7 09:50	Received: 01/	/13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
3260C MSV	Analytical	l Method: EPA 8	3260C						
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	7 09:05	Received: 01/	/13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
270D MSSV PAH by SIM	Analytical	l Method: EPA 8	3270D by SIM	1 Prepara	tion Me	thod: 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		
Fluoranthene	ND	ug/L	0.097	0.010	1	01/18/17 11:16	01/18/17 23:25		
Fluorene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25		
ndeno(1,2,3-cd)pyrene	ND	ug/L	0.097	0.026	1	01/18/17 11:16	01/18/17 23:25		
2-Methylnaphthalene	ND	ug/L	0.097	0.020	1	01/18/17 11:16	01/18/17 23:25		
Naphthalene	ND	ug/L	0.097	0.017	1	01/18/17 11:16	01/18/17 23:25		
Phenanthrene	ND	ug/L	0.097	0.015	1	01/18/17 11:16	01/18/17 23:25		
Pyrene	ND	ug/L	0.097	0.012	1	01/18/17 11:16	01/18/17 23:25		
Surrogates	115	ug/ L	0.001	0.012		01/10/17 11:10	01/10/11 20:20	120 00 0	
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		
3260C MSV	Analytical	l Method: EPA 8	3260C						
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	
Kylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 21:33	1330-20-7	
n&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		
Surrogates		3	-					-	
Toluene-d8 (S)	99	%	84-115		1		01/17/17 21:33	2037-26-5	
1-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		
Dibromofluoromethane (S)	95	%	70-130		1		01/17/17 21:33		

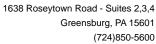


Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-14-0117	Lab ID: 3	0207893009	Collected:	01/11/17	10:30	Received: 01/	13/17 09:40 Ma	atrix: Water	
Demonstrat	Describe	11-26-	Report	MDI	DE	Donor	A b l	040 N	0
Parameters	Results —	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
3270D MSSV PAH by SIM	Analytical M	lethod: EPA 8	270D by SIM	1 Preparat	ion Met	hod: 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		
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	
ndeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.028	1	01/18/17 11:16	01/18/17 23:43		
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	221 60 9	
Terphenyl-d14 (S)	76	%	58-130		1		01/18/17 23:43		
3260C MSV	-	lethod: EPA 8							
Benzene	, ND	ug/L	1.0	0.16	1		01/17/17 22:01	71 /2 2	
Ethylbenzene	ND ND	ug/L ug/L	1.0	0.10	1		01/17/17 22:01		
Toluene	ND	ug/L	1.0	0.23	1		01/17/17 22:01		
Xylene (Total)	ND	ug/L	3.0	0.15	1		01/17/17 22:01		
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 22:01		
o-Xylene	ND	ug/L	1.0	0.32	1		01/17/17 22:01		
Surrogates	ND	ug/L	1.0	0.22	'		01/17/17 22.01	33-47-0	
Toluene-d8 (S)	105	%	84-115		1		01/17/17 22:01	2037-26-5	
1-Bromofluorobenzene (S)	102	%	81-119		1		01/17/17 22:01		
1,2-Dichloroethane-d4 (S)	99	%	77-126		1		01/17/17 22:01		
Dibromofluoromethane (S)	101	%	70-130		1		01/17/17 22:01		
Sample: LTMW-15-0117	l ah ID: 3	0207893010	Collected:	01/11/17	12:00	Received: 01/	13/17 09:40 Ma	atriv: Water	
Jumpie. Elimit-15-0117	Lab ID. 3	0201033010		. 01/11/1/	12.00	NOOCIVEU. 01/	10, 17 00.40 1016	atiin. VValGI	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
3270D MSSV PAH by SIM	Analytical M	lethod: EPA 8	270D by SIM	1 Preparat	ion Met	hod: 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		
Anthracene	ND	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:00		
Benzo(a)anthracene	ND	ug/L	0.10	0.015	1		01/19/17 00:00		
Benzo(a)pyrene	ND	ug/L	0.10	0.0072	1	01/18/17 11:16			





Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-15-0117	Lab ID:	30207893010	Collected	d: 01/11/17	12:00	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report					0.0.1	
Parameters	Results -	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
8270D MSSV PAH by SIM	Analytical	Method: EPA 82	270D by SII	M Prepara	tion Met	hod: 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		
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 82	260C						
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	I ah ID:	30207893011	Collected	d: 01/11/17	7 13:50	Received: 01/	13/17 00·40 M	atrix: Water	
Cample: ORG-0117	Lab ID.	30207033011		2. 01/11/17	10.00	received. 01/	13/17 03.40 100	atrix. Water	
Doromotoro	Populto	Units	Report Limit	MDL	DF	Dropored	Analyzad	CAS No.	Ouo
Parameters	Results	——————————————————————————————————————		MDL .	DΓ	Prepared	Analyzed		Qua
8270D MSSV PAH by SIM	Analytical	Method: EPA 82	270D by SII	M Prepara	tion Met	hod: 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		
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		01/19/17 00:17		
Benzo(a)pyrene	ND	ug/L	0.10	0.0073	1	01/18/17 11:16			
Benzo(b)fluoranthene	ND	ug/L	0.10	0.016	1		01/19/17 00:17		
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 00:17		
		-							
(0 //)	ND	ua/l	() 1()	().012	1	()1/18/17 11:16	()1/19/17 ()()17	207-08-9	
Benzo(k)fluoranthene Chrysene	ND ND	ug/L ug/L	0.10 0.10	0.012 0.0077	1 1	01/18/17 11:16 01/18/17 11:16	01/19/17 00:17 01/19/17 00:17		



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: ORS-0117	Lab ID: 30	207893011	Collected:	01/11/17	13:50	Received: 01/	13/17 09:40 Ma	trix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
3270D MSSV PAH by SIM	Analytical Me	thod: EPA 8	270D by SIM	l Preparat	ion Met	hod: 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	
ndeno(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	
henanthrene	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		
Surrogates		~g/ =	00	0.0.0	•	0.1, 1.0, 1.1	0.7.107.11.001.11	0 00 0	
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		
3260C MSV	Analytical Me	thod: EPA 8	260C						
Benzene	ND		1.0	0.16	1		01/17/17 22:56	71_//3_2	
		ug/L			1				
Ethylbenzene	ND	ug/L	1.0	0.23	1		01/17/17 22:56		
Toluene	ND	ug/L	1.0	0.13	1		01/17/17 22:56		
Xylene (Total)	ND	ug/L	3.0	0.55	1		01/17/17 22:56		
n&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 22:56		
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		
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: 30	207893012	Collected:	01/11/17	12:20	Received: 01/	13/17 09:40 Ma	trix: Water	
Doromotoro	Results	Units	Report Limit	MDL	DF	Droporod	Applyzod	CAS No.	Ougl
Parameters		<u> </u>			DF	Prepared	Analyzed	CAS NO.	Qual
8270D MSSV PAH by SIM	Analytical Me	thod: EPA 8	270D by SIM	l Preparat	ion Met	hod: EPA 3510C			
Acenaphthene	ND	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 00:35	83-32-9	
						04/40/47 44 40	01/19/17 00:35	208-96-8	
Acenaphthylene	ND	ug/L	0.10	0.015	1	01/18/17 11:16	01/13/11 00.33		
· •	ND ND	ug/L ug/L	0.10 0.10	0.015 0.013	1 1	01/18/17 11:16 01/18/17 11:16	01/19/17 00:35	120-12-7	
Anthracene		-							
Anthracene Benzo(a)anthracene	ND	ug/L ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 00:35	56-55-3	
Anthracene Benzo(a)anthracene Benzo(a)pyrene	ND ND ND	ug/L ug/L ug/L	0.10 0.10 0.10	0.013 0.015 0.0073	1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	ND ND ND ND	ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016	1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	ND ND ND ND ND	ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019	1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	ND ND ND ND ND ND	ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012	1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene	ND ND ND ND ND ND	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077	1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene	ND ND ND ND ND ND ND	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077 0.029	1 1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	ND ND ND ND ND ND ND ND	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077 0.029 0.011	1 1 1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	ND N	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077 0.029 0.011 0.016	1 1 1 1 1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7	
Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene	ND N	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077 0.029 0.011 0.016 0.028	1 1 1 1 1 1 1 1 1 1	01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5	
Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	ND N	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.013 0.015 0.0073 0.016 0.019 0.012 0.0077 0.029 0.011 0.016	1 1 1 1 1 1 1 1 1	01/18/17 11:16 01/18/17 11:16	01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35 01/19/17 00:35	56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: MH-1-0117	Lab ID:	30207893012	Collected	d: 01/11/17	12:20	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical	Method: EPA 8	270D by SII	M Preparat	ion Me	thod: 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 8	260C						
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		
m&p-Xylene	ND	ug/L	2.0	0.32	1		01/17/17 23:23		
o-Xylene	ND	ug/L	1.0	0.22	1		01/17/17 23:23		
Surrogates	ND	ug/L	1.0	0.22	•		01/11/11 25.25	33 47 0	
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		
1,2-Dichloroethane-d4 (S)	94	%	77-126		1		01/17/17 23:23		
Dibromofluoromethane (S)	92	%	70-120		1		01/17/17 23:23		
Complex Field Dumlicate 0447	Lab ID.	20207002042	Callage	-l. O4/44/4	7.40.50	Described: 04/	(40/47.00:40 M	-t \\/-t	
Sample: Field Duplicate-0117	Lab ID:	30207893013		d: 01/11/17	10:50	Received: 01/	/13/17 09:40 Ma	atrix: Water	
Sample: Field Duplicate-0117 Parameters	Lab ID:	30207893013 Units	Collected Report Limit	d: 01/11/17 MDL	' 10:50 DF	Received: 01/	13/17 09:40 Ma	atrix: Water CAS No.	Qual
·	Results	Units	Report Limit	MDL .	DF				Qual
Parameters 8270D MSSV PAH by SIM	Results Analytical	Units	Report Limit 270D by SI	MDL M Prepara	DF tion Me	Prepared thod: EPA 3510C	Analyzed	CAS No.	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene	Results Analytical	Units	Report Limit 270D by SII	MDL M Preparat	DF ion Met	Prepared thod: EPA 3510C	Analyzed 01/19/17 00:52	CAS No. 83-32-9	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene	Results Analytical ND ND	Units	Report Limit = 270D by SII 0.10 0.10	MDL M Preparat 0.016 0.014	DF tion Met 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene	Results Analytical ND ND ND ND	Units – – – – – – – – – – – – – – – – – – –	Report Limit 270D by SII 0.10 0.10 0.10	MDL M Preparat 0.016 0.014 0.013	DF tion Met 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene	Results Analytical ND ND ND ND ND ND ND	Units – – – – – – – – – – – – – – – – – – –	Report Limit – 270D by SII 0.10 0.10 0.10 0.10	MDL M Preparat 0.016 0.014 0.013 0.015	DF tion Met 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units — — — — — — — — — — — — — — — — — — —	Report Limit – 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10	MDL 0.016 0.014 0.013 0.015 0.0072	DF tion Met 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10	MDL 0.016 0.014 0.013 0.015 0.0072 0.016	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.015 0.0072 0.016 0.019 0.011	DF tion Met 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.013 0.015 0.0072 0.016 0.019	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028	DF tion Met 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL O.016 0.014 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.021 0.018	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.021 0.018 0.016	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene Pyrene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L	Report Limit	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.021 0.018	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8	Qual
Parameters 8270D MSSV PAH by SIM Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene	Results Analytical ND ND ND ND ND ND ND ND ND N	Units Method: EPA 8 ug/L ug/L	Report Limit 270D by SII 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.	MDL M Preparat 0.016 0.014 0.013 0.015 0.0072 0.016 0.019 0.011 0.0076 0.028 0.011 0.016 0.028 0.021 0.018 0.016	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared thod: EPA 3510C 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16 01/18/17 11:16	Analyzed 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52 01/19/17 00:52	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7 193-39-5 91-57-6 91-20-3 85-01-8 129-00-0	Qual



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: Field Duplicate-0117	Lab ID:	30207893013	Collected:	01/11/17	10:50	0 Received: 01/13/17 09:40 Matrix: Water				
			Report							
Parameters	Results	Units	Limit	MDL -	DF	Prepared	Analyzed	CAS No.	Qual	
8260C MSV	Analytical	Method: EPA 8	260C							
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			
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 Ma	atrix: Water		
				• .,						
Danie sa danie	Daniella	L La Sta	Report	MDI	D E	D	A l	040 N	0	
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
3270D MSSV PAH by SIM	Analytical	Method: EPA 8	270D by SIM	1 Preparat	ion Met	hod: 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 8	260C							
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		
		-	2.0	0.32			01/18/17 00:46			

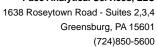


Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-04-0117 MS	Lab ID:	30207893014	Collected	01/11/17	12:45	Received: 01/	13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical I	Method: EPA 8	260C						
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		
4-Bromofluorobenzene (S)	101	%	81-119		1		01/18/17 00:46		
1,2-Dichloroethane-d4 (S)	93	%	77-126		1		01/18/17 00:46		
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 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical I	Method: EPA 8	270D by SIM	l Preparat	ion Met	thod: 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		
Benzo(a)pyrene	1.6	ug/L	0.10	0.0072	1	01/18/17 11:16	01/19/17 01:27		
Benzo(b)fluoranthene	1.7	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27		
Benzo(g,h,i)perylene	1.5	ug/L	0.10	0.019	1	01/18/17 11:16	01/19/17 01:27		
Benzo(k)fluoranthene	1.4	ug/L	0.10	0.011	1	01/18/17 11:16	01/19/17 01:27		
Chrysene	1.6	ug/L	0.10	0.0076	1	01/18/17 11:16	01/19/17 01:27		
Dibenz(a,h)anthracene	1.4	ug/L	0.10	0.0070	1	01/18/17 11:16	01/19/17 01:27		
Fluoranthene	1.6	•	0.10	0.028	1	01/18/17 11:16	01/19/17 01:27		
		ug/L							
Fluorene	1.3	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27		
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		
2-Methylnaphthalene	1.1	ug/L	0.10	0.021	1	01/18/17 11:16	01/19/17 01:27		
Naphthalene	1.2	ug/L	0.10	0.018	1	01/18/17 11:16	01/19/17 01:27		
Phenanthrene	1.4	ug/L	0.10	0.016	1	01/18/17 11:16	01/19/17 01:27		
Pyrene Surrogates	1.6	ug/L	0.10	0.013	1	01/18/17 11:16	01/19/17 01:27	129-00-0	
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		
8260C MSV		Method: EPA 8			•	01/10/17 11.10	01/15/11 01.21	1710-51-0	
	•							-	
Benzene	18.7	ug/L	1.0	0.16	1		01/18/17 01:13		
Ethylbenzene	19.0	ug/L	1.0	0.23	1		01/18/17 01:13		
Toluene	19.3	ug/L	1.0	0.13	1		01/18/17 01:13		
Xylene (Total)	58.2	ug/L	3.0	0.55	1		01/18/17 01:13		
m&p-Xylene	38.8	ug/L	2.0	0.32	1		01/18/17 01:13		
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		
4-Bromofluorobenzene (S)	106	%	81-119		1		01/18/17 01:13		
1,2-Dichloroethane-d4 (S)	100	%	77-126		1		01/18/17 01:13	17060-07-0	





Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

Sample: LTMW-04-0117 DMS	Lab ID:	30207893015	Collecte	d: 01/11/1	7 12:45	Received: 01	/13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical	Method: EPA 8	260C						
Surrogates Dibromofluoromethane (S)	102	%	70-130		1		01/18/17 01:13	1868-53-7	
Sample: Trip Blank	Lab ID:	30207893016	Collecte	d: 01/11/1	7 00:01	Received: 01	/13/17 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical	Method: EPA 8	260C						
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	



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

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,

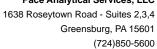
30207893015, 30207893016

		Blank	Reporting			
Parameter	Units	Result	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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L		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 S	PIKE DUPLICA	ATE: 121296	66		1212967							
Parameter	3 Units	0207893004 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.





Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

MATRIX SPIKE & MATRIX SPI	KE DUPLICA	ATE: 12129	66		1212967							
	3	0207893004	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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.



Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

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

		Blank	Reporting			
Parameter	Units	Result	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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
2-Methylnaphthalene	ug/L		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.



65

74

19-123

58-130

Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

2-Fluorobiphenyl (S)

Date: 01/20/2017 12:37 PM

Terphenyl-d14 (S)

LABORATORY CONTROL SAMPLE: 1213268 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Indeno(1,2,3-cd)pyrene 2 54-125 ug/L 1.4 68 2 69 42-107 Naphthalene ug/L 1.4 2 Phenanthrene ug/L 1.4 69 50-109 Pyrene ug/L 2 1.4 72 64-109

%

%

MATRIX SPIKE & MATRIX SI	PIKE DUPLICA	TE: 12132	69		1213270							
			MS	MSD								
	3	0207893004	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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.



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

ip

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

Date: 01/20/2017 12:37 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Saratoga Sprin

Pace Project No.: 30207893

Date: 01/20/2017 12:37 PM

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		
80207893010	LTMW-15-0117	EPA 8260C	246663		
80207893011	ORS-0117	EPA 8260C	246663		
80207893012	MH-1-0117	EPA 8260C	246663		
80207893013	Field Duplicate-0117	EPA 8260C	246663		
80207893014	LTMW-04-0117 MS	EPA 8260C	246663		
30207893015	LTMW-04-0117 DMS	EPA 8260C	246663		
30207893016	Trip Blank	EPA 8260C	246663		

CHAIN The Chain-c

Face Analytical

ent rtely.

WO#:30207893

Pace Project Number N/A 88888 8 2 4 3 1 of 2 OTHER 00/ 000 S D SAMPLE CONDITIONS 900 ₹ $\bar{\circ}$ N/A N/Z DRINKING WATER REGULATORY AGENCY ≶ Z N/A ပ္တ ┙ 5 ᆼ ĞΑ ê. T GROUND WATER 3°50 TIME Elselis -13-17 RCRA DATE SITE 7 2 LOCATION 3 NPDES Filtered (Y/N) Requested UST Analysis: Jeher lethanol ¿Ossa ACCEPTED BY / AFFILIATION HOs IOI ²ON FOS? pevieserved Attention: Accounts Payable via email at ges-invoices@gesonline.com Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057 #ОF СОИТАІИЕРЗ Company Name: Groundwater & Environmental Services, Inc. SAMPLE TEMP AT COLLECTION SAMPLER NAME AND SIGNATURE 12/12/13 1355 0000 R 200 535 5 8 \<u>\</u> SU.00 DATE TIME Pace Project Manager: Rachel Christner DATE COLLECTED LLL DACE LILLE ace Quote Reference: RELINQUISHED BY / AFFILIATION Section C L Invoice Information TIME Section C Pace Profile #: DATE Ø O ပ O WT G WT G+GRAB C=COMP SAMPLE TYPE ഗ ഗ Ø WT × ž Ž Ϋ́ M Ž ¥ Ž ¥ MATRIX CODE Report To: Robert N. Sickler (GES) rsickler@gesonline.com Required Project Information: COOLERS. urchase Order No. Section B Copy To: Syracuselabs@gesonline.com, ges@equisonline.com LTMW-03-0117 LTMW-04-0117 LTMW-05-0117 LTMW-6A-0117 LTMW-12-0117 LTMW-02-0117 LTMW-13-0117 LTMW-14-0117 LTMW-01-0117 LTMW-15-0117 Please send reports to: rsickler@gesonline.com, ORS-0117 MH-1-0117 Section D Required Client Information One Character per box. (A-Z, 0-9 / ;-) Samples IDs MUST BE UNIQUE SAMPLE ID equested Due Date/TAT: Standard ddress: 5 Technology Place, Suite SAMPLES WILL ARRIVE IN nail To: rsickler@gesonline.com ast Syracuse, New York 13057 Section A Required Client Information: Company: GES - Syracuse Additional Comments: 100.220.3069 x4052

samples Intact

sealed Cooler

Received on Ice

Temp in °C

DATE Signed (MM / DD / YY)

IGNATURE of SAMPLER:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical

10 O) 00 C 0 M

Pace Project Number 0 Samples Intact N/A 9 SAMPLE CONDITIONS 2 of 2) E \overline{N} OTHER sealed Coole Ξ N/A DRINKING WATER REGULATORY AGENCY Received on lce ₹ Page: NA Z N/A N/A OTHER_ () 2) ပ္တ O° ni qmaT <u>....l</u> 17 P 0 ĞΑ R TIME GROUND WATER 15-17 112/12 DATE RCRA SITE n LOCATION iltered (Y/N) NPDES Requested UST Analysis: ひなが lethanol 182S2O3 ACCEPTED BY / AFFILIATION 19OH 101 ^EONF os²l Jnpreserved Attention: Accounts Payable via email at ges-invoices@gesonline.com 8A∃N!ATNO⊃ 9O# S Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057 Company Name: Groundwater & Environmental Services, Inc. TIME 17:00 SAMPLE ТЕМР АТ СОLLECTION SAMPLER NAME AND SIGNATURE 112/12 クイン ンプス DATE 050 TIME Pace Project Manager: Rachel Christner STATE OF THE PARTY DATE COLLECTED 200 LLL RELINQUISHED BY / AFFILIATION ace Quote Reference: TIME Section C L Pace Profile #: MPOSITE START DATE Lab SAMPLE TYPE ტ WT е+ек∀в с=сомь Υ Ž Project Name: National Grid - Saratoga Springs-Excelsior Avenue Site Project Number: 06-02882-128660-221-1106 ۲ ЗООЭ ХІЯТАМ ₹ Report To: Robert N. Sickler (GES) rsickler@gesonline.com Copy To: Required Project Information: COOLERS urchase Order No.: Valid Mathy Codes
Valid Mathy Codes
MATRY
MATRY Section B --END OF RECORD---LTMW-04-0117 DMS Field Duplicate-0117 LTMW-04-0117 MS Please send reports to: rsickler@gesonline.com, Trip Blank Section D Required Client Information One Character per box. (A-Z, 0-9 / .-)
Samples IDs MUST BE UNIQUE SAMPLE ID Requested Due Date/TAT: Standard Address: 5 Technology Place, Suite 4 SAMPLES WILL ARRIVE IN Fax: None Email To: rsickler@gesonline.com East Syracuse, New York 13057 Required Client Information: Company: GES - Syracuse Additional Comments: 800,220,3069 x4052 ITEM #

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

DATE Signed (MM / DD / YY)

Sample Condition Upon Receipt Pittsburgh Project # 3 0 2 0 7 8 9 3 Pace Analytical Client Name: Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: 778 6223 3634 Custody Seal on Cooler/Box Present: Ves ☐ no Seals intact: Type of Ice: (Wet) Blue None Thermometer Used Correction Factor: "O(C **Cooler Temperature** Observed Temp Temp should be above freezing to 6°C Date and Initials of person examining contents: MC 1-13-17 MC Yes No Comments: Chain of Custody Present: Chain of Custody Filled Out: 3. Chain of Custody Relinquished: Sampler Name & Signature on COC: Sample Labels match COC: Matrix: -Includes date/time/ID Samples Arrived within Hold Time: Short Hold Time Analysis (<72hr remaining): 8. Rush Turn Around Time Requested: 9. Sufficient Volume: 10. Correct Containers Used: -Pace Containers Used: 2 tip blanks broke. There are 2 left. Containers Intact: Orthophosphate field filtered 13. Organic Samples checked for dechlorination: Filtered volume received for Dissolved tests All containers have been checked for preservation. 15. All containers needing preservation are found to be in compliance with EPA recommendation. Date/time of Initial when exceptions: (VOA,) coliform, TOC, O&G, Phenolics completed preservation Lot # of added preservative 16. Headspace in VOA Vials (>6mm): 17. Trip Blank Present: Trip Blank Custody Seals Present Initial when Rad Aqueous Samples Screened > 0.5 mrem/hr Client Notification/ Resolution: Contacted By: Date/Time: Person Contacted: 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.