

February 5, 2016

Mr. Amen Omorogbe
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
2015 4th Quarter OM&M Report***

Dear Mr. Omorogbe:

Enclosed for your review is the 2015 4th 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 awaiting approval from NYSDEC on the SMP/OM&M Plan.

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
- Periodic mowing/herbicide application 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.

Mr. Amen Omorogbe

February 5, 2016

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: Brian Stearns – National Grid
Matt Millias – CDM Smith



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

**2015 4th Quarter Operation, Maintenance, and Monitoring
Report**



Prepared by:



6800 Old Collamer Road
East Syracuse, NY 13057

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Section 1

Introduction

1.1 Introduction

CDM Smith Inc. (CDM Smith) has prepared this 2015 4th Quarter Operation, Maintenance, and Monitoring Report (OM&M) on behalf of National Grid. This report compiles the OM&M activities completed in the 4th quarter of 2015 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 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 October, November, and December 2015.

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 plan. 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 5 to 10 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

CDM Smith conducted the 2015 4th quarter site inspection on December 8, 2015. 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 December 1-3, 2015. **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 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 2015 4th quarter groundwater monitoring event was conducted December 1-3, 2015. 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 TestAmerica Laboratories, Inc. (TestAmerica) of Amherst, New York 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, cyanide, lead, and zinc. 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-D05, LTMW-D06, LTMW-S07 and LTMW-09.

The analytical data report was validated by Data Validation Services of North Creek, New York. The primary objective of the data validation is to identify any questionable or invalid laboratory processes or data. The data validation company reviewed the summary form information, the raw sample data, and a limited review of associated raw QC data. A full validation was not performed. The review completed by Data Validation Services stated that field sample analyte values/reporting limits were usable as reported with the exception of the PAH analytes being qualified as estimated due to non-compliant holding time exceedance. 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 from December 1-3, 2015. 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 two site wells: MW-OU2-1 and MW-OU2-4. Strong odors were noted in all five OU-2 wells (MW-OU2-1, MW-OU2-2, MW-OU2-3, MW-OU2-4, and MW-OU2-5). A slight amount of DNAPL was noted on the probe following the measurement collected in well DNAPL-03.

As part of the NAPL monitoring/collection event, a total of 13 gallons of DNAPL was collected (10 gallons from MW-OU2-1 and 3 gallons from MW-OU2-4) during this quarter.

Since the start of the NAPL monitoring/collection program, a total of 380 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 December 3, 2015, and analyzed by TestAmerica for the permit-specified parameters. No detections above permit limits were noted. **Table 2-4** provides the analytical results compared to the permit limits. A letter report under separate cover was issued to the City of Rome WPCF in January 2016.

The analytical data report was validated by Data Validation Services of North Creek, New York. The primary objective of the data validation is to identify any questionable or invalid laboratory processes or data. The data validation company reviewed the summary form information, the raw sample data, and a limited review of associated raw QC data. A full validation was not performed. The review completed by Data Validation Services 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 2015 4th quarter, approximately 4,026,200 gallons (average flow ~ 30 gpm) were discharged. Since the groundwater extraction system was installed, approximately 98.5 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 1st Quarter	4,174,000
2015 2 nd Quarter	4,339,700
2015 3 rd Quarter	4,146,800
2015 4 th Quarter	4,026,200
TOTAL	98,566,700

CDM Smith 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

Minimal mowing/trimming at the Site was conducted during this quarter. Minimal to no snow removal activities were conducted in this quarter.

Section 3

Conclusions, Recommendations, and Certifications

3.1 Conclusions

Based on data collected from the 2015 4th quarter OM&M activities, the following conclusions were made:

- The overall condition of the Site is good. Routine mowing and weed spraying activities were completed during this period. Snow removal was not conducted in this 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 425 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 is contaminated with BTEX, acenaphthene, cyanide, fluorene, arsenic, lead, and zinc above the New York State regulatory maximum allowable limits. Two 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 (13 gallons) were from two wells (MW-OU2-1 and MW-OU2-4). A total of 380 gallons of DNAPL have been removed from these two wells since the inception of the program. DNAPL has not been collected at any other site wells to date. LNAPL has not been observed in any site wells to date.
- The groundwater extraction system operated continuously at approximately 30 gpm, and a quarterly total of 4,026,200 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 98.5 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.



February 2, 2016

Signature

Date

Name: Matthew D. Millias, P.E.
Title: Principal Environmental Engineer
Company: CDM Smith

Tables

Table 2-1
National Grid Kingsley Avenue Rome, New York Site
Site Monitoring Wells

Well ID	Northing	Easting	Elevation OF Ground	Elevation Top Of Outer Casing	Elevation Top of Inner Casing	Nominal Well Diameter (inches)	Well Material	Well Sump Depth (ft)	Depth To Bottom Of Well (ft)	Elevation Bottom of Well	Depth To Top Screen (ft)	Elevation Top Screen	Depth To Bottom Screen (ft)	Elevation Bottom Screen	Action
MW-OU2-1	1169964.4870	1121322.8873	433.5	435.72	435.48	4	SS	3.0	46.12	389.36	33.0	402.48	43.0	392.48	Quarterly Inspection; Quarterly Static Water Level Measurement
MW-OU2-2	1170149.8980	1121255.9363	433.9	436.40	436.06	4	SS	3.0	49.60	386.46	39.0	397.06	49.0	387.06	Quarterly Inspection; Quarterly Static Water Level Measurement
MW-OU2-3	1170101.2208	1121177.4485	430.63	433.25	432.96	4	SS	3.0	35.15	397.81	31.0	401.96	41.0	391.96	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
MW-OU2-4	1170149.6326	1121136.1811	430.63	433.05	432.88	4	SS	3.0	38.85	394.03	31.0	401.88	41.0	391.88	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
MW-OU2-5	1170167.9650	1121091.2658	431.23	433.77	433.46	4	SS	3.0	36.34	397.12	31.0	402.46	41.0	392.46	Quarterly Inspection; Quarterly Static Water Level Measurement (Surveyed in January 2014)
DNAPL-02	1169976.8400	1121338.4483	434.6	436.81	NA	6	SS	3.0	50.40	386.41	4.0	432.81	46.0	389.41	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-03	1170021.7760	1121329.2613	434.6	437.23	NA	6	SS	3.0	52.32	384.91	4.5	432.73	46.5	387.91	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-04	1170138.5720	1121289.3033	436.3	438.50	NA	6	SS	3.0	51.45	387.05	3.5	435.00	47.5	390.05	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-05	1170223.6230	1121251.9083	438.4	440.60	NA	6	SS	3.0	54.75	385.85	6.0	434.60	50.0	388.85	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-06	1170309.3920	1121212.9643	438	439.71	NA	6	SS	3.0	51.45	388.26	8.0	431.71	48.0	391.26	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-07	1170186.6060	1121522.7453	439.4	441.46	NA	6	SS	3.0	53.60	387.86	5.0	436.46	55.5	390.86	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-08	1170230.3820	1121390.3173	439.6	441.80	NA	6	SS	3.0	58.01	383.79	7.0	434.80	53.0	386.79	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
DNAPL-09	1170267.0450	1121351.1333	440.1	442.63	NA	6	SS	3.0	57.58	385.05	5.0	437.63	53.2	388.05	Quarterly Inspection; Quarterly Static Water Level Measurement; DNAPL Monitoring/Collection
VTM-1	1170393.9230	1121200.2643	437.7	439.74	NA	6	SS	NA	46.37	393.37	4.0	435.74	44.0	395.74	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-2	1170482.8870	1121229.5033	436.1	438.33	NA	6	SS	NA	49.47	388.86	5.0	433.33	47.0	391.33	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-3	1170541.8140	1121311.1743	437.1	439.44	NA	6	SS	NA	50.91	388.53	4.0	435.44	48.0	391.44	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-4	1170558.5060	1121416.3693	439.3	441.59	NA	6	SS	NA	50.62	390.97	9.0	432.59	49.0	392.59	Quarterly Inspection; Quarterly Static Water Level Measurement
VTM-5	1170616.4890	1121483.6873	439.8	441.79	NA	6	SS	NA	52.52	389.27	5.0	436.79	51.0	390.79	Quarterly Inspection; Quarterly Static Water Level Measurement
LTMW-D01	1169920.9810	1121340.1793	432.7	434.90	434.80	2	PVC	NA	46.84	387.96	34.0	400.80	44.0	390.80	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S01	1169936.2970	1121336.3233	433.2	435.52	435.10	2	PVC	NA	16.92	418.18	5.0	430.10	15.0	420.10	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D02	1170077.3450	1121296.6853	434.2	436.74	436.60	2	PVC	NA	40.29	396.31	30.0	406.60	40.0	396.60	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling

Table 2-1
National Grid Kingsley Avenue Rome, New York Site
Site Monitoring Wells

Well ID	Northing	Easting	Elevation OF Ground	Elevation Top Of Outer 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
LTMW-S02	1170087.0350	1121294.4073	434.3	436.79	436.59	2	PVC	NA	17.98	418.61	5.0	431.59	15.0	421.59	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D03	1170208.0726	1121183.8138	429.2	431.27	431.13	2	PVC	NA	40.73	390.40	29.0	402.13	39.0	392.13	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S03	1170200.4014	1121188.2719	429.3	431.43	431.29	2	PVC	NA	13.70	417.59	2.0	429.29	12.0	419.29	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D04	1170444.7690	1121162.3583	434.9	437.18	436.88	2	PVC	NA	46.36	390.52	34.0	402.88	44.0	392.88	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S04	1170434.1910	1121164.5883	435.6	437.24	437.09	2	PVC	NA	17.26	419.83	5.0	432.09	15.0	422.09	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D05	1170572.7400	1121323.4973	435.7	437.78	437.58	2	PVC	NA	46.53	391.05	35.0	402.58	45.0	392.58	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S05	1170567.9900	1121317.5703	435.9	437.92	437.77	2	PVC	NA	16.83	420.94	5.0	432.77	15.0	422.77	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-D06	1170625.7620	1121557.7643	440.2	441.70	441.55	2	PVC	NA	52.22	389.33	40.0	401.55	50.0	391.55	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S06	1170637.4230	1121564.0263	439.7	441.64	441.52	2	PVC	NA	17.60	423.92	5.0	436.52	15.0	426.52	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S07	1170113.1090	1121525.3273	438	439.94	439.70	2	PVC	NA	17.82	421.88	5.0	434.70	15.0	424.70	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S08	1170434.0830	1121518.2593	442.4	443.81	443.63	2	PVC	NA	17.39	426.24	5.0	438.63	15.0	428.63	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S09	1170469.4300	1121969.1733	437.6	439.79	439.54	2	PVC	NA	16.92	422.62	5.0	434.54	15.0	424.54	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling
LTMW-S10	1170123.6800	1121817.1213	437.4	439.67	439.42	2	PVC	NA	17.18	422.24	5.0	434.42	15.0	424.42	Quarterly Inspection; Quarterly Static Water Level Measurement; Quarterly Sampling

Notes:

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

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

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

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet

Table 2-2
Former MGP Kingsley Avenue Site
Rome, New York
Static Water Level Data

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

Notes:

TOC = Top of Inner Well Casing

DTW = Depth to Water in Feet

EL. = Elevation in Feet

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-D01

[illegible]

Table 2-3
Former Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-S01

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	29-Mar-11	14-Jun-11	26-Sep-11	05-Dec-11	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
Benzene	5	1	1	5.5	4.5	ND	1.3	2.7	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	3600	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	100	150	110	100	120	120	140	150	130	79	85	100	99	83	56 H J	94	70	68	72	79 E
Acenaphthylene	N/A	NA	4.9	6.1	7.2	6	6	6.4	6.6	6.7	6.8	5.9	ND	5.1	ND	ND	5.1	ND	ND	ND	4.7	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	20	22	25	ND	16	23	23	26	21	ND	32	16	19	28	22	ND	23	16	23	20
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	5.4	7.3	5.1	5.9	ND	5.5	ND	ND	5.4	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	27	35	32	24	30	38	49	41	31	24	29	26	ND	27	20 H J	28	18	26	25	23
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	40	40	43	43	44	56	64	47	29	27	28	17	ND	25	7.7 H J	10	ND	9.4	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	6.6	4.9	ND	ND	5.6	ND	ND	5.3	ND	ND	ND	ND	ND	ND
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND

NYSDEC AWQS are the New York State Ambient Water Quality Standards for groundwater in ug/L.

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-D02

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

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-S02

[illegible]

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-D03

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	29-Mar-11	14-Jun-11	26-Sep-11	05-Dec-11	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
Benzene	5	1	1	720	320	270	1100	480	61	99	110	28	34	25	22	16	15	11	12	6.7	9.3	9.3	10
Toluene	1000	5	1	640	260	280	1400	600	25	72	100	5.2	22	8.4	5.6	4.4	5.3	ND	4.2	2	3.4	2.2	ND
Ethylbenzene	700	5	1	580	740	710	370	350	520	220	210	1	220	210	200	120	170	150	190	73	100	87	76
Xylene (total)	10000	5	2	560	470	430	930	460	150	110	130	8.3	76	58	45	25	42	28	41	15	22	16	16
Acenaphthene	N/A	20	4.9	ND	9.3	11	7.3	ND	29	9.7	ND	ND	ND	20	13	ND	11	4.9 H J	14	10	14	16	12
Acenaphthylene	N/A	NA	4.9	190	150	130	100	24	52	31	ND	ND	ND	14	13	ND	7.3	ND	5.9	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	13	14	14	9	12	7.5	ND	ND	ND	7.1	5.7	ND	ND	ND	5.7	ND	5.6	5.4	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	120	120	89	52	83	120	98	80	77	79	86	86	76	76	ND	44	64	67	78	71
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	10	11	10	9	12	11	ND	ND	ND	9.3	7.4	ND	5.7	ND	7.1	ND	6.7	6.6	5.6
Fluorene	N/A	0.002	4.9	51	39	34	21	14	29	15	ND	ND	ND	18	12	ND	11	4.3 H J	12	6.8	11	10	9.3
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	1900	2100	1800	1700	22	740	580	420	ND	300	170	330	230	100	74 H J	150	14	47	29	24
Phenanthrene	N/A	50	4.9	110	84	72	59	31	55	34	30	ND	50	38	35	ND	27	9.6 H J	31	17	28	30	25
Pyrene	N/A	50	4.9	ND	12	13	12	9.9	15	15	ND	5.4	ND	13	10	ND	ND	ND	9.8	6	8.9	8.6	7.2
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	13	30	ND	ND	ND	ND	ND	ND	ND	0.11	0.11	ND	ND	ND	ND	0.01	ND	ND	ND	ND

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Analytical Data

Sample Well Number LTMW-S03

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

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-D04

Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	11-Dec-13	25-Mar-14	11-Jun-14	10-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	ND	ND	57	ND	ND	13	16	13	ND	15	12	ND	13	15	14	11500
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	22	ND	ND	ND	16	ND	ND	ND	ND	0.013	ND	ND	ND	490

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-S04

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

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of 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
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	ND	ND	ND	ND	10	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	0.013	ND	ND	ND	ND

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-505

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
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	340	230	270	190	61	110	99	750	ND	260	150	94	140	190	220	160
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND
Zinc	N/A	N/A	10	ND	ND	ND	58	ND	ND	23	ND	ND	ND	11	13	75	ND	27	ND

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-D06

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

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-S06

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

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-509

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
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	10000	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	N/A	20	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	N/A	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.2	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	N/A	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	N/A	0.002	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	N/A	NA	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	N/A	50	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	N/A	N/A	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	N/A	N/A	5	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	11	ND	ND	5.4	ND
Zinc	N/A	N/A	10	ND	ND	ND	ND	20	10	ND	96	ND	ND	ND	66	22	17	45	ND

Table 2-3
Fomer Manufactured Gas Plant Site
Rome, NY
Summary of Groundwater Analytical Data

Sample Well Number LTMW-S10

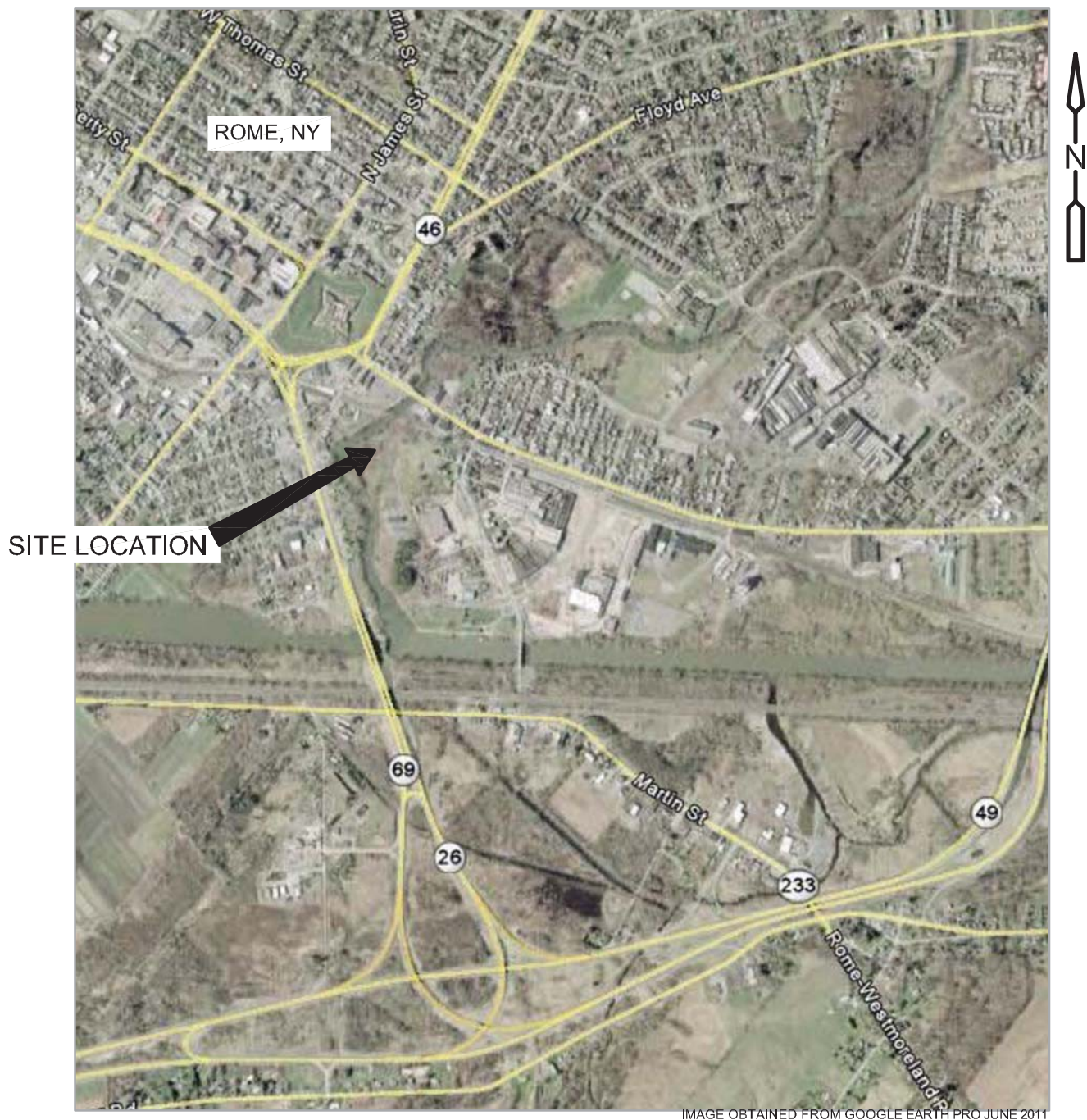
Parameter	EPA - Maximum Allowable (ug/L)	NYSDEC AWQS (ug/l)	Reporting Level (ug/L)	19-Mar-12	18-Jun-12	12-Sep-12	03-Dec-12	27-Mar-13	10-Jun-13	23-Sep-13	10-Dec-13	25-Mar-14	11-Jun-14	08-Sep-14	04-Dec-14	08-Apr-15	03-Jun-15	16-Sep-15	03-Dec-15
Benzene	5	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND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

Table 2-4
Former MGP Site
Kingsley Avenue, Rome, NY
GW Extraction System Discharge

Parameter	City of Rome WPCF Permit Max Daily Limit (mg/L)	23-Sep-13	10-Dec-13	24-Mar-14	30-Jun-14	03-Sep-14	01-Dec-14	30-Mar-15	03-Jun-15	14-Sep-15	03-Dec-15
Benzene	0.13	0.053	0.05	0.062	0.066	0.033	0.057	0.045	0.053	0.04	0.044
Ethylbenzene	1.59	0.004	0.0031	0.0049	0.00053	0.0019	0.0045	0.0021	0.0049	0.0042	0.003
Toluene	1.35	0.0011	0.0074	0.0011	0.0097	0.0031	0.0073	0.01	0.0085	0.0013	0.0011
Xylene	1.35	< 0.001	0.0011	0.0047	0.0031	< 0.001	0.002	< 0.001	0.0034	< 0.001	< 0.001
Total BETX	2.87	0.058	0.0032	0.083	0.084	0.038	0.071	0.057	0.07	0.046	0.048
Arsenic	0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	0.11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	<0.001
Chromium	2.77	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Copper	1.3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	1.2	0.086	0.12	0.083	0.088	0.091	0.073	0.081	0.074	0.075	0.075
Lead	1.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	0.2	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Nickel	1.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver	0.43	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Zinc	2.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.018
Oil & Grease	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CBOD5	250	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
pH	5.5 - 11.5 su	6.82	7.18	7.16	7.1	7.11	6.96	7.01	7.08	6.88	6.98

Results in mg/L.

Figures



SITE LOCATION
PLAN
NTS

**CDM
Smith**

NATIONAL GRID - KINGSLEY AVENUE SITE
ROME, NEW YORK
Figure 1-1
SITE LOCATION MAP

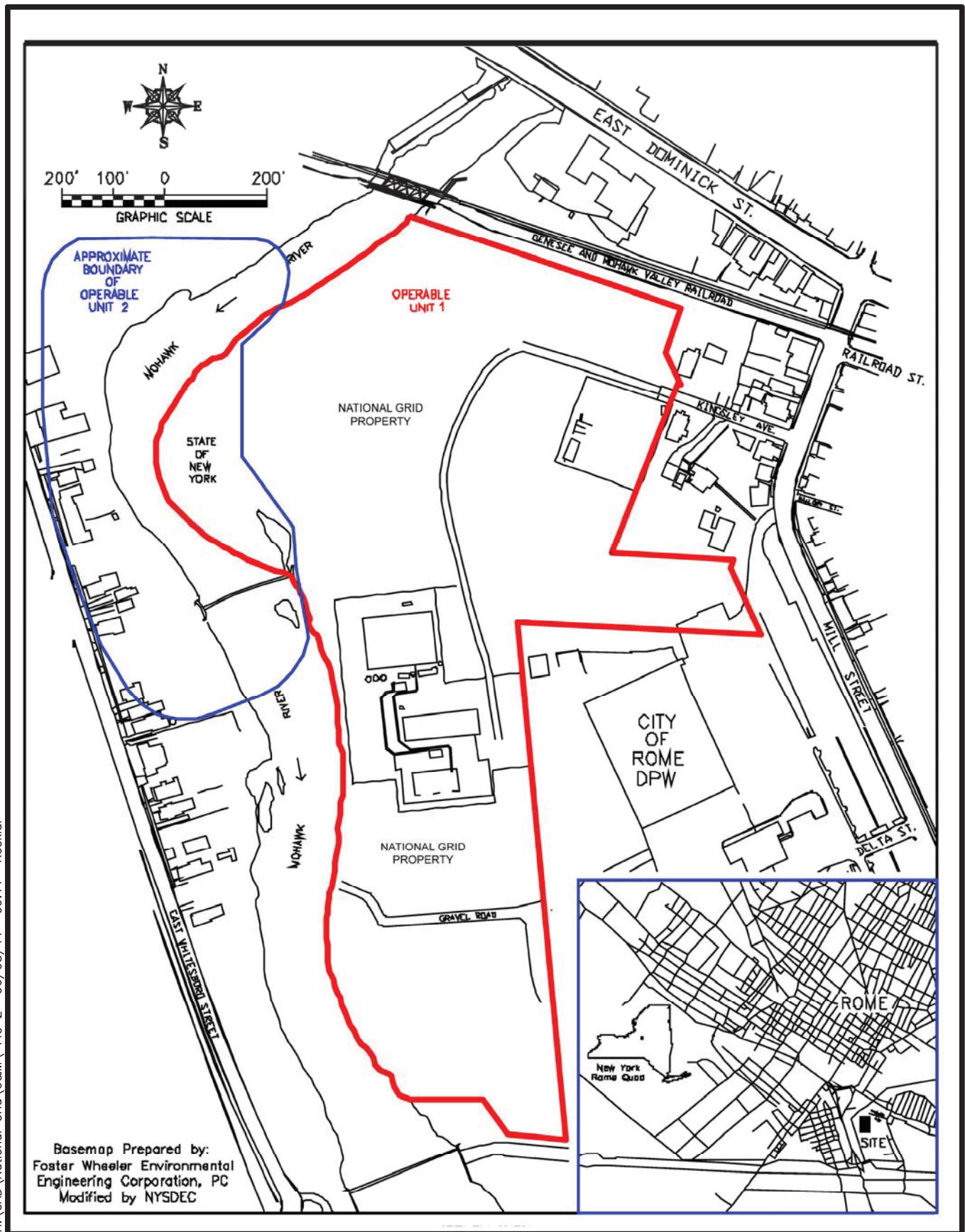
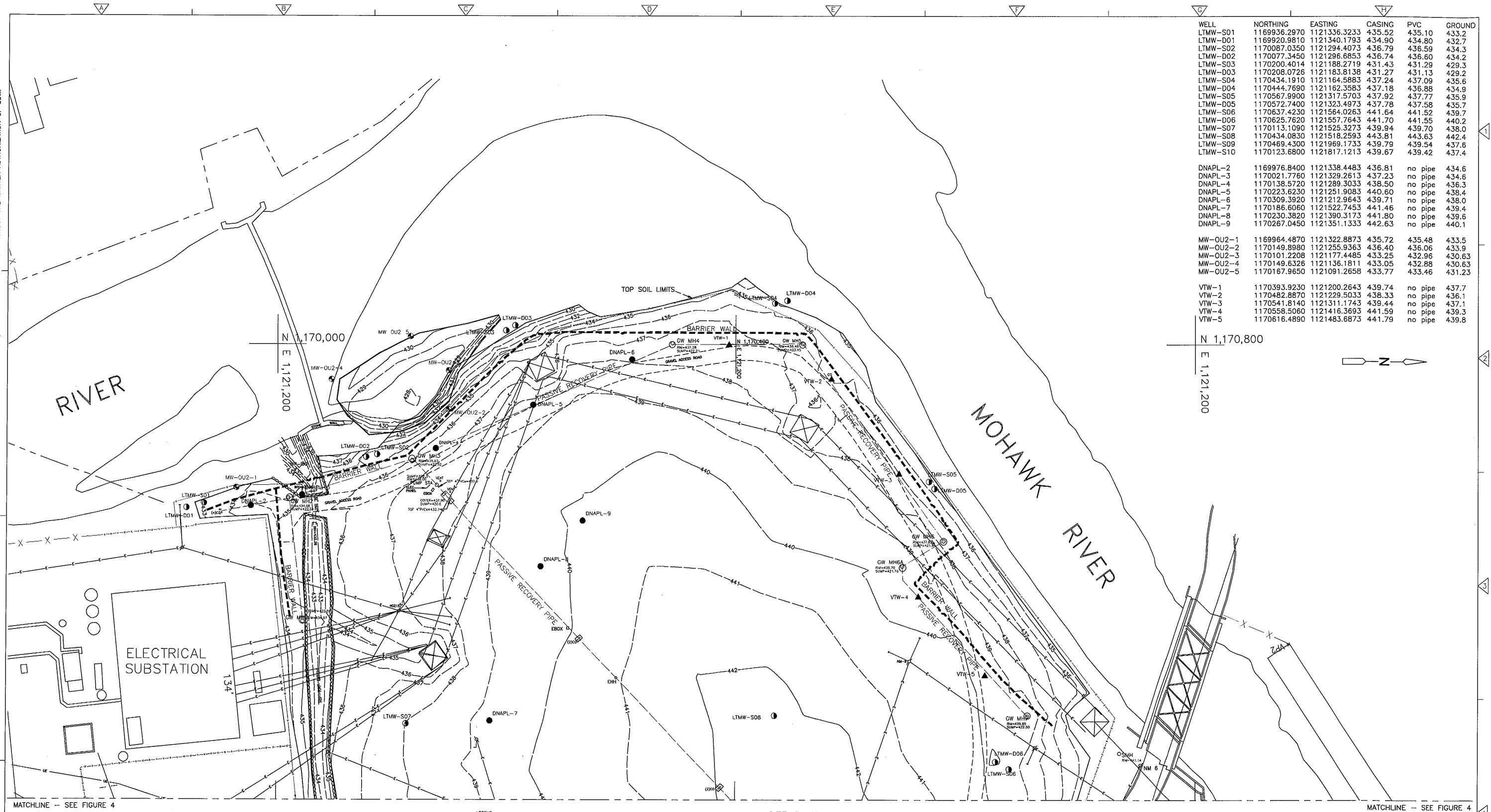


Figure 1-2
National Grid - Kingsley Avenue Site
Rome, New York
OU-1/OU-2 Location Map

\\sydev1\Projects\NG NYS O&M Rome (Kingsley)\Reports\Quarterly O&M Reports\CADD Files\ Monitoring Well Plans 04/14/14 16:44 koskiar
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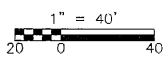
WELL	NORTHING	EASTING	CASING	PVC	GROUND
LTMW-S01	1169936.2970	1121336.3233	435.52	435.10	433.2
LTMW-D01	1169920.9810	1121340.1793	434.90	434.80	432.7
LTMW-S02	1170087.0350	1121294.4073	436.79	436.59	434.3
LTMW-D02	1170077.3450	1121296.6853	436.74	436.60	434.2
LTMW-S03	1170200.4014	1121188.2719	431.43	431.29	429.3
LTMW-D03	1170208.0726	1121183.8138	431.27	431.13	429.2
LTMW-S04	1170434.1910	1121164.5883	437.24	437.09	435.6
LTMW-D04	1170444.7690	1121162.3583	437.18	436.88	434.9
LTMW-S05	1170567.9900	1121317.5703	437.92	437.77	435.9
LTMW-D05	1170572.7400	1121323.4973	437.78	437.58	435.7
LTMW-S06	1170637.4230	1121564.0263	441.64	441.52	439.7
LTMW-D06	1170625.7620	1121557.7643	441.70	441.55	440.2
LTMW-S07	1170113.1090	1121525.3273	439.94	439.70	438.0
LTMW-D08	1170434.0830	1121518.2593	443.81	443.63	442.4
LTMW-S09	1170469.4300	1121969.1733	439.79	439.54	437.6
LTMW-S10	1170123.6800	1121817.1213	439.67	439.42	437.4
DNAPL-2	1169976.8400	1121338.4483	436.81	no pipe	434.6
DNAPL-3	1170021.7760	1121329.2613	437.23	no pipe	434.6
DNAPL-4	1170138.5720	1121289.3033	438.50	no pipe	436.3
DNAPL-5	1170223.6230	1121251.9083	440.60	no pipe	438.4
DNAPL-6	1170309.3920	1121212.9643	439.71	no pipe	438.0
DNAPL-7	1170186.6060	1121522.7453	441.46	no pipe	439.4
DNAPL-8	1170230.3820	1121390.3173	441.80	no pipe	439.6
DNAPL-9	1170267.0450	1121351.1333	442.63	no pipe	440.1
MW-OU2-1	1169964.4870	1121322.8873	435.72	435.48	433.5
MW-OU2-2	1170149.8980	1121255.9363	436.40	436.06	433.9
MW-OU2-3	1170101.2208	1121177.4485	433.25	432.96	430.63
MW-OU2-4	1170149.6326	1121136.1811	433.05	432.88	430.63
MW-OU2-5	1170167.9650	1121091.2658	433.77	433.46	431.23
VTW-1	1170393.9230	1121200.2643	439.74	no pipe	437.7
VTW-2	1170482.8870	1121229.5033	438.33	no pipe	436.1
VTW-3	1170541.8140	1121311.1743	439.44	no pipe	437.1
VTW-4	1170558.5060	1121416.3693	441.59	no pipe	439.3
VTW-5	1170616.4890	1121483.6873	441.79	no pipe	439.8

N 1,170,800
E 1,121,200



- LEGEND
- TRANS □ TRANSFORMER
 - UTILITY POLE, UP W/LIGHT
 - ELECTRICAL CONDUIT
 - TELEPHONE LINE
 - OVERHEAD ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE
 - GAS LINE
 - CHAIN LINK FENCE
 - DECIDUOUS / CONIFEROUS TREE
 - ELECTRICAL TOWER
 - DNAPL-S ○ DNAPL MONITORING WELL
 - LTMW-S03 ○ LTMW MONITORING WELL
 - VTW-3 ▲ VTM MONITORING WELL
 - MW-OU2-4 ○ OU2 MONITORING WELL
 - GW MHA ○ GROUND WATER MANHOLE
 - CLEAN OUT
 - SMH ○ SANITARY MANHOLE
 - EMH ○ ELECTRIC MANHOLE
 - EBOX ○ ELECTRIC BOX
 - BOLLARD
 - GLM ○ GAS LINE MARKER
 - GV ○ GAS VALVE

SITE PLAN
PLAN
1" = 40'



REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/15/14	JWM	MM	UPDATE WITH NEW WELL SURVEY INFORMATION

DESIGNED BY: _____
DRAWN BY: M. MILLIAS
SHEET CHK'D BY: M. KOSKI
CROSS CHK'D BY: M. MILLIAS
APPROVED BY: J. MULLEN
DATE: JUNE 2011

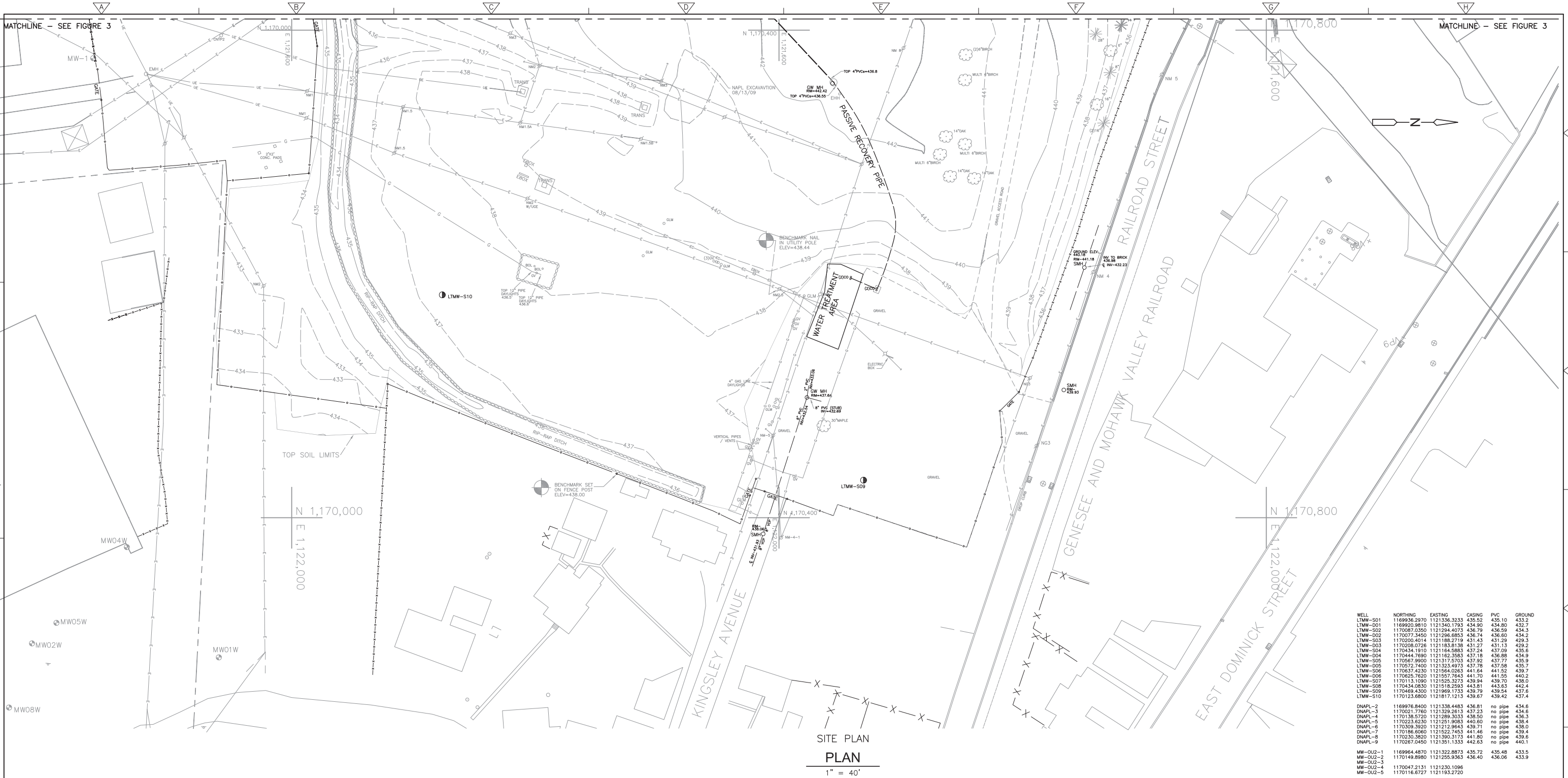


NATIONAL GRID - KINGSLEY AVENUE SITE
ROME, NEW YORK
OPERATION, MAINTENANCE AND MONITORING PLAN

SITE PLAN - WEST
MONITORING WELL LOCATIONS

SHEET NO.
FIG 1-3

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WELL	NORTHING	EASTING	CASING	PVC	GROUND
LTMW-S01	1169936.970	1121336.323	436.52	435.10	433.2
LTMW-S02	1169920.9810	1121340.1793	434.90	434.80	432.7
LTMW-S03	1170087.0350	1121294.4073	436.79	436.59	434.3
LTMW-S04	1170077.3450	1121286.6853	436.74	436.60	434.2
LTMW-S05	1170200.4014	1121188.2719	431.43	431.29	429.3
LTMW-S06	1170208.0728	1121183.8136	431.27	431.13	429.2
LTMW-S07	1170434.1910	1121164.5883	437.24	437.09	435.6
LTMW-S08	1170444.7690	1121162.3583	437.18	436.88	434.9
LTMW-S09	1170567.9920	1121117.5703	437.92	437.77	435.9
LTMW-S10	1170572.7400	1121323.4973	437.78	437.58	435.7
LTMW-S11	1170637.4230	1121564.0263	441.64	441.52	439.7
LTMW-S12	1170625.7620	1121557.7643	441.70	441.55	440.2
LTMW-S13	1170113.1090	1121525.3273	439.94	439.70	438.0
LTMW-S14	1170434.0830	1121518.2593	443.81	443.63	442.4
LTMW-S15	1170469.4300	1121969.1733	439.79	439.54	437.6
LTMW-S16	1170123.6800	1121817.1213	439.67	439.42	437.4
DNAPL-2	1169976.8400	1121338.4483	436.81	no pipe	434.6
DNAPL-3	1170021.7760	1121329.2813	437.23	no pipe	434.6
DNAPL-4	1170138.5720	1121289.3033	438.50	no pipe	436.3
DNAPL-5	1170223.6230	1121251.9083	440.60	no pipe	438.4
DNAPL-6	1170309.3920	1121212.9643	439.71	no pipe	438.0
DNAPL-7	1170186.6060	1121522.7453	441.46	no pipe	439.4
DNAPL-8	1170230.3920	1121390.3173	441.80	no pipe	439.6
DNAPL-9	1170267.0450	1121351.1333	442.63	no pipe	440.1
MW-OU2-1	1169964.4870	1121322.8873	435.72	435.48	433.5
MW-OU2-2	1170149.8980	1121255.9363	436.40	436.06	433.9
MW-OU2-3	1170047.2131	1121230.1096			
MW-OU2-4	1170116.6727	1121193.2720			
VTW-1	1170363.9230	1121200.2643	439.74	no pipe	437.7
VTW-2	1170482.8870	1121229.5033	438.33	no pipe	436.1
VTW-3	1170541.8140	1121311.1743	439.44	no pipe	437.1
VTW-4	1170568.6060	1121416.3683	441.59	no pipe	439.3
VTW-5	1170616.4890	1121483.6873	441.79	no pipe	439.8

DESIGNED BY: M. MILLIAS	CDM Smith
DRAWN BY: M. KOSKI	
SHEET CHK'D BY: M. MILLIAS	
CROSS CHK'D BY:	
APPROVED BY:	
DATE: JUNE 2011	

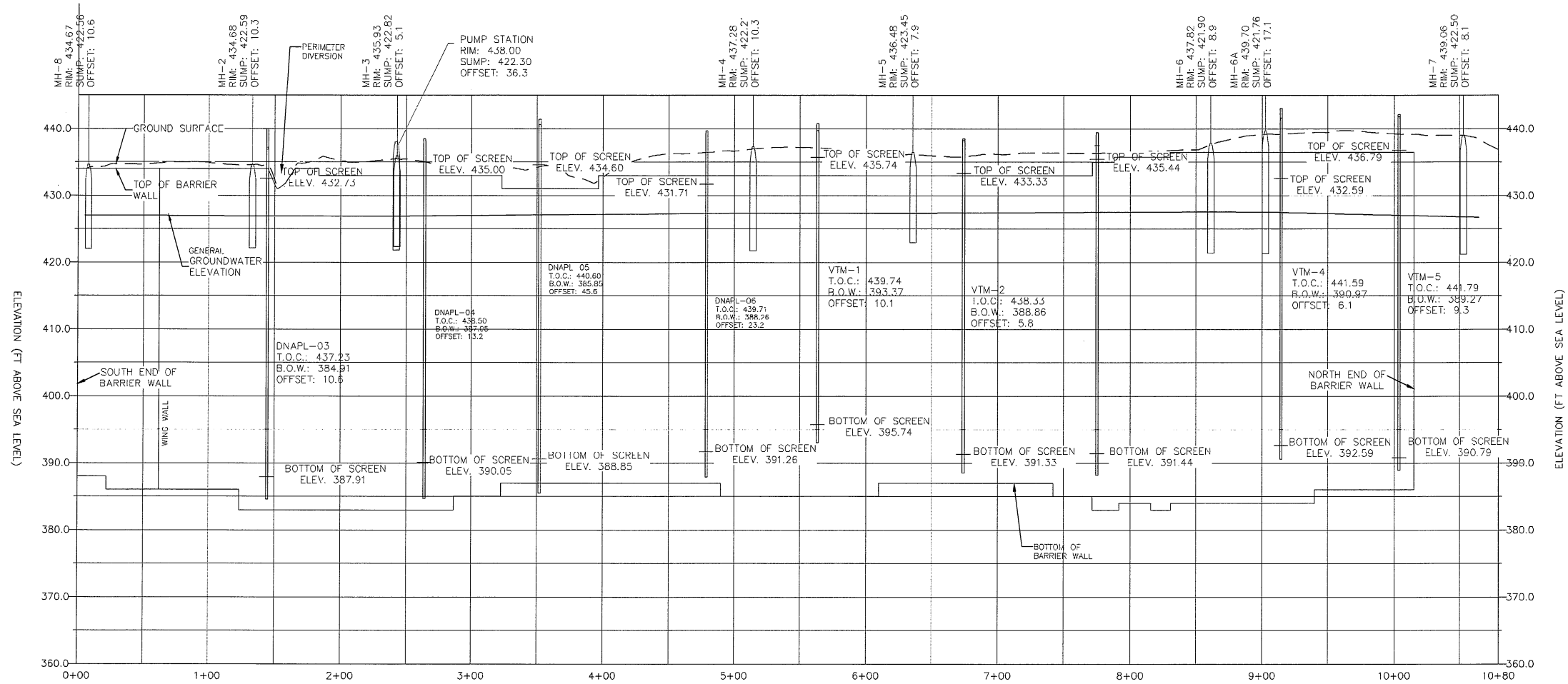
REV. NO.	DATE	DRWN	CHKD	REMARKS

NATIONAL GRID - KINGSLEY AVENUE SITE
ROME, NEW YORK
OPERATION, MAINTENANCE AND MONITORING PLAN

SITE PLAN - EAST
MONITORING WELL LOCATIONS

Figure
1-4

\\ysrv01\Projects\NG NYS O&M\Bome (Kingsley)\Reports\Quarterly OM&M Reports\CADD Files\ Profile 07/19/12 11:48 koskar



PROFILE

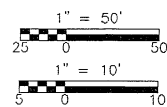
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

LEGEND

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

NOTES:

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



NATIONAL GRID, KINGSLEY AVENUE SITE
ROME, NEW YORK

OM&M PLAN

**GROUNDWATER HYDRAULIC CONTROL
PROFILE OF BARRIER WALL
AND GROUNDWATER UPGRADIENT**

PROJECT NO. 36380-09756
REV. DATE 4/15/14

FIGURE
2-1

Appendix A

Field Inspection Report

FIELD INSPECTION REPORT

Former MGP Site
Kingsley Avenue
Rome, New York

Date: 12/8/2015
Technician: Rosenzweig

Time: 12:30
Weather: Cloudy 40°

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

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

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

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

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

General Comments:

Well ID	Total in Gallons	12/8/2015	9/17/2015	6/5/2015	4/10/2015	12/4/2014	9/10/2014	6/11/2014	3/27/2014	12/12/2013	9/26/2013	6/13/2013	3/27/2013	12/5/2012	9/11/2012	6/20/2012	3/21/2012	12/5/2011	9/26/2011	6/13/2011	3/31/2011
MW-OU2-1	257	10	9	10	10	15	15	15	15	15	15	15	15	15	15	15	12	8	8	15	10
MW-OU2-2	0																				
MW-OU2-3	0																				
MW-OU2-4	123	3	4	5	5	5	5	5	5	5	5	5	5	5	5	10	5	6	9	11	15
MW-OU2-5	0																				
DNAPL-02	0																				
DNAPL-03	0																				
DNAPL-04	0																				
DNAPL-05	0																				
DNAPL-06	0																				
DNAPL-07	0																				
DNAPL-08	0																				
DNAPL-09	0																				
VTM-1	0																				
VTM-2	0																				
VTM-3	0																				
VTM-4	0																				
VTM-5	0																				
Total Gallons	380	Total 2015	56 gallons			Total 2014	80 gallons			Total 2013	80 gallons			Total 2012	82 gallons			Total 2011	82 gallons		

Appendix B

Quarterly Gauging Data

Well ID	Sample ?	Well Size	DTW	DTP	DTB	Comments
MW-OU2-1	No	4"	9.30	41.48	45.81	Strong Odor Pumped 10 gals
MW-OU2-2	No	4"	10.19		47.53	Strong Odor
MW-OU2-3	No	4"	6.85		34.18	Strong Odor
MW-OU2-4	No	4"	6.77	39.59	39.55	Strong Odor Pumped 3 gals
MW-OU2-5	No	4"	7.44		36.01	Strong Odor
DNAPL-02	No	6"	9.41		50.40	
DNAPL-03	No	6"	9.70		52.32	slight DNAPL on Probe
DNAPL-04	No	6"	11.01		51.45	
DNAPL-05	No	6"	13.09		54.75	
DNAPL-06	No	6"	12.21		51.45	
DNAPL-07	No	6"	13.03		53.60	
DNAPL-08	No	6"	13.49		58.01	
DNAPL-09	No	6"	14.39		57.58	
VTM-1	No	6"	12.12		46.37	
VTM-2	No	6"	10.53		49.47	
VTM-3	No	6"	11.68		50.91	
VTM-4	No	6"	13.58		50.62	
VTM-5	No	6"	13.74		52.52	
LTMW-D01	Yes	2"	7.71		46.84	
LTMW-S01	Yes	2"	8.25		16.92	
LTMW-D02	Yes	2"	9.85		40.29	
LTMW-S02	Yes	2"	9.74		17.98	
LTMW-D03	Yes	2"	3.38		40.73	
LTMW-S03	Yes	2"	3.51		13.70	
LTMW-D04	Yes	2"	9.63		46.36	
LTMW-S04	Yes	2"	8.65		17.26	
LTMW-D05	Yes	2"	8.77		46.53	
LTMW-S05	Yes	2"	9.21		16.83	
LTMW-D06	Yes	2"	12.31		52.22	
LTMW-S06	Yes	2"	13.20		17.60	
LTMW-S07	Yes	2"	11.55		17.82	
LTMW-S08	Yes	2"	15.67		17.39	
LTMW-S09	Yes	2"	10.40		16.92	Dup
LTMW-S10	Yes	2"	10.95		17.18	MS/MSD

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

All from top of casing

Appendix C

Groundwater Sampling Field Measurements

Client Information Client Contact: Timothy Beaumont Company: CDM Smith, Inc. Address: 6800 Old Collamer Road Suite 3 City: East Syracuse State, Zip: NY, 13057 Phone: 36380.110154 Email: beaumontt@cdmsmith.com Project Name: Rome Kinsley Quarterly GW Site:		Sampler: Eric Rosenthal Lab PM: Mason, Becky C Phone: 203-727-6588 Email: becky.mason@testamericainc.com		COC No: 480-74498-16198.1 Page: Page 1 of 2 Job #:		Carrier Tracking No(s):			
Due Date Requested: TAT Requested (days): 5 business days PO #: 36380.110154 WO #: 48011225 Project #: 48011225 SSOW#:		Analysis Requested							
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - AshNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDA Z - other (specify)							
Sample Identification		Total Number of Containers:							
Sample ID LTMW-D01-1215 LTMW-S01-1215 LTMW-D02-1215 LTMW-S02-1215 LTMW-D03-1215 LTMW-S03-1215 LTMW-D04-1215 LTMW-S04-1215 LTMW-D05-1215 LTMW-S05-1215 LTMW-D06-1215		Sample Date 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15 12/31/15		Sample Time 745 1440 1445 1705 1455 1355 1405 1045 1155 330		Sample Type G-Grab G-Grab G-Grab G-Grab G-Grab G-Grab G-Grab G-Grab G-Grab G-Grab		Matrix Water Water Water Water Water Water Water Water Water	
Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)			
62700 - PAH Semivolatiles 62600 - BTEX - 8260 200.7 - Priority Pollutant Metals ICP 335.4 - Cyanide, Total 82600 - BTEX - 8260		62700 - PAH Semivolatiles 62600 - BTEX - 8260 200.7 - Priority Pollutant Metals ICP 335.4 - Cyanide, Total 82600 - BTEX - 8260		62700 - PAH Semivolatiles 62600 - BTEX - 8260 200.7 - Priority Pollutant Metals ICP 335.4 - Cyanide, Total 82600 - BTEX - 8260		62700 - PAH Semivolatiles 62600 - BTEX - 8260 200.7 - Priority Pollutant Metals ICP 335.4 - Cyanide, Total 82600 - BTEX - 8260			
Special Instructions/Note:		Albany 480501							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Special Instructions/QC Requirements:									
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:									
Relinquished by:		Date: 12/31/15		Time: 12:40		Company: TP-ALB			
Relinquished by:		Date: 12/31/15		Time: 1800		Company: TP-ALB			
Relinquished by:		Date:		Time:		Company:			
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company:			

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Lab PM: Mason, Becky C		Carrier Tracking No(s): 480-74498-16198.2			
Client Contact: Timothy Beaumont		Phone: 203-777-6547		Page: Page 2 of 2			
Company: CDM Smith, Inc.		E-Mail: becky.mason@testamericainc.com		Job #:			
Address: 5800 Old Collamer Road Suite 3		Due Date Requested:		Analysis Requested			
City: East Syracuse		TAT Requested (days): 7		Preservation Codes:			
State, Zip: NY, 13057		PO #: 36380.110154		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
Phone:		WO #: 48011225		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Email: beaumonttj@cdmsmith.com		Project #: 48011225		Special Instructions/Note:			
Project Name: Rome Kinsley Quarterly GW		SSOW#:		Total Number of Containers: 7			
Site:		Field Filled Sample (Yes or No) ☒		Special Instructions/Note:			
Sample Identification		Sample Date		Sample Time			
Sample Type (C=Comp, G=Grab)		Sample Preservation Code		Matrix (W=Water, S=Solid, O=Overhead)			
LTMW-S06-1215		12/15/15		8:45		Water	
LTMW-S07-1215		12/15/15		19:05		Water	
LTMW-S08-1215		12/15/15		8:00		Water	
LTMW-S08-1215		12/15/15		10:05		Water	
LTMW-S10-1215		12/15/15		11:50		Water	
MATRIX SPIKE-1215		12/15/15		11:50		Water	
MATRIX SPIKE DUP-1215		12/15/15		11:50		Water	
DUPLICATE-1215		12/15/15		11:50		Water	
TRIP BLANK		12/15/15		11:50		Water	
TRIP BLANK		12/15/15		11:50		Water	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☒ Archive For ☐ Months			
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:			
Relinquished by: [Signature]		Date: 12/15/15		Time: 12:40			
Relinquished by: [Signature]		Date: 12/15/15		Time: 18:00			
Relinquished by: [Signature]		Date: 12/15/15		Time: 18:00			
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D01

Date: 10/3/15

Weather: Overcast & 35

Time In: 0710

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	7.71	
Depth to Bottom:	(feet)	46.84	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	39.13	
Volume of Water in Well:	(gal)	6.26	
Three Well Volumes:	(gal)	18.78	

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: clear No Shocks/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump
Average Pumping Rate: (ml/min) 500
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
715	8.75	11.21	8.03	-153	0.330	23.1	3.23	0.213
720	9.56	11.24	8.10	-162	0.327	19.5	2.36	0.213
725	10.41	11.12	8.13	-160	0.327	4.5	1.97	0.212
730	11.22	11.05	8.16	-170	0.327	4.5	1.79	0.215
735	12.98	10.90	8.17	-171	0.325	2.1	1.65	0.212
740	13.77	11.04	8.18	-173	0.327	1.5	2.57	0.212

Sampling Information:

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

Sample ID: LTMW-D01-1215 Duplicate? Yes ☐ No ☒
Sample Time: 745 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S01

Date: 12/3/15

Weather: Clear T 37

Time In: 805

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	8.29	
Depth to Bottom:	(feet)	16.92	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	8.63	
Volume of Water in Well:	(gal)	1.38	
Three Well Volumes:	(gal)	4.14	

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: clear No Shrap/Odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☒ Grundfos Pump ☐
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Average Pumping Rate: (ml/min) 1500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4
 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
810	8.30	10.74	7.58	-73	0.732	70.2	7.75	0.438
815	8.31	11.51	6.96	-72	0.856	23.0	7.07	0.349
820	8.32	11.40	6.77	-72	0.873	7.1	6.74	0.559
825	8.32	11.38	6.68	-74	0.880	2.3	6.20	0.514
830	8.32	11.61	6.60	-76	0.832	1.0	5.73	0.565
835	7.33	11.70	6.59	-76	0.882	0.8	5.49	0.565

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S01-1215 Duplicate? Yes ☐ No ☒
 Sample Time: 840 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D02

Date: 12/3/15

Weather: Rain 240

Time In: 910

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.85	
Depth to Bottom:	(feet)	40.29	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	30.44	
Volume of Water in Well:	(gal)	4.87	
Three Well Volumes:	(gal)	14.61	

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: Clear No Green/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Average Pumping Rate: (ml/min) 500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4
 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
915	10.48	11.47	7.71	28	0.152	330	4.32	0.100
920	10.96	11.30	7.64	42	0.154	234	4.77	0.098
925	11.32	11.19	7.66	53	0.151	151	5.02	0.098
930	11.51	11.40	7.66	70	0.151	102	4.98	0.099
935	12.69	10.96	7.66	77	0.152	90.6	4.46	0.104
940	12.98	10.83	7.68	83	0.159	59.5		

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-D02-1215 Duplicate? Yes ☐ No ☒
 Sample Time: 945 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S02

Date: 12/3/15

Weather: Overcast + 30°

Time In: 1000

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.74	
Depth to Bottom:	(feet)	17.98	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	8.24	
Volume of Water in Well:	(gal)	1.31	
Three Well Volumes:	(gal)	3.96	

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: Clear No Sheen/Odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump ☐
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
Average Pumping Rate: (ml/min) 500
Duration of Pumping: (min) 20
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☐
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	9.30	10.56	7.07	-79	0.693	588	1.63	0.448
1010	9.36	10.57	6.75	-77	0.706	181	1.35	0.452
1015	9.39	10.60	6.62	-79	0.711	90.7	1.29	0.455
1020	9.43	10.73	6.53	-83	0.712	27.9	1.23	0.455
1025	9.95	10.88	6.51	-84	0.706	15.9	1.20	0.451
1030	9.98	10.86	6.50	-84	0.702	11.9	1.18	0.449

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA Method 335.4
EPA Method 200.7

SVOC PAH's
VOC's BTEX
Cyanide
Metals

2 - 250 ml amber Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S02-1215 Duplicate? Yes ☐ No ☒
Sample Time: 1035 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D03

Date: 12/2/15

Weather: Overcast #90

Time In: 1420

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	4.38	
Depth to Bottom:	(feet)	40.73	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	36.35	
Volume of Water in Well:	(gal)	5.82	
Three Well Volumes:	(gal)	17.45	

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: Clear No Sleep/12/2

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☒ Grundfos Pump ☐
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Average Pumping Rate: (ml/min) 1500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4
 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1425	5.01	10.91	6.51	-127	0.684	65.3	3.53	0.460
1430	5.86	10.92	7.09	-118	0.782	73.6	1.42	0.500
1435	6.39	10.92	7.14	-121	0.781	11.6	1.33	0.500
1440	6.89	10.90	7.17	-123	0.779	6.4	1.25	0.498
1445	7.15	10.95	7.19	-125	0.782	4.5	1.22	0.500
1450	7.61	11.01	7.20	-128	0.776	2.9	1.17	0.497

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-D03-12/15 Duplicate? Yes ☐ No ☒
 Sample Time: 1455 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S03

Date: 12/2/15

Weather: Rain & 40

Time In: 1515

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	3.51	
Depth to Bottom:	(feet)	13.70	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	10.19	
Volume of Water in Well:	(gal)	1.43	
Three Well Volumes:	(gal)	4.89	

Well Type: Flushmount ☐ Stick-Up ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☒ No ☐
 Well Material: PVC ☒ SS ☐ Other: ☐
 Well Diameter: 1" ☐ 2" ☒ Other: ☐
 Comments: Clear 10.5 hours / 10.20m

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☒ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump
 Average Pumping Rate: (ml/min) 1500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 7
 Did well go dry? Yes ☐ No ☐
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1520	3.55	10.97	7.16	-56	0.387	86.2	1.43	0.251
1525	3.58	11.11	6.85	-52	0.399	58.6	1.22	0.261
1530	3.60	11.21	6.70	-62	0.430	66.5	1.13	0.281
1535	3.61	11.36	6.61	-77	0.478	27.9	1.06	0.312
1540	3.62	11.46	6.61	-76	0.490	12.3	1.05	0.320
1545	3.62	11.48	6.58	-82	0.502	20.1	1.57	0.321

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S03-1215 Duplicate? Yes ☐ No ☒
 Sample Time: 1550 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D04

Date: 12/2/15

Weather: Rain & 90

Time In: 1220

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.63	
Depth to Bottom:	(feet)	46.36	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	36.73	
Volume of Water in Well:	(gal)	5.88	
Three Well Volumes:	(gal)	17.63	

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: Clear No Sheen/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump ☐
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
Average Pumping Rate: (ml/min) 1.723
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	10.21	11.25	6.87	48	0.438	26.5	3.77	0.284
1230	10.76	11.10	6.87	5	0.463	19.8	3.34	0.303
1235	11.21	10.99	7.13	-55	0.504	10.4	3.21	0.323
1240	11.84	10.97	7.26	-83	0.516	5.9	3.16	0.331
1245	12.05	10.95	7.32	-90	0.521	4.4	3.13	0.334
1250	12.59	10.86	7.38	-96	0.552	6.9	2.96	0.334

Sampling Information:

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

Sample ID: LTMW-D04-12/15 Duplicate? Yes ☐ No ☒
Sample Time: 1255 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S04

Date: 12/2/15

Weather: Rain & 40

Time In: 1330

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	8.65	
Depth to Bottom:	(feet)	17.26	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	8.61	
Volume of Water in Well:	(gal)	6.38	
Three Well Volumes:	(gal)	4.13	

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: Clear w/ sheen/odor

Purging Information

Purging Method: _____

Tubing/Bailer Material: _____

Sampling Method: _____

Average Pumping Rate: (ml/min) 500

Duration of Pumping: (min) 30

Total Volume Removed: (gal) 4

Did well go dry? Yes ☐ No ☒

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1335	8.70	10.81	7.42	191	0.463	0.130	4.12	0.345
1340	8.72	10.60	6.11	313	0.444	91.1	4.95	0.287
1345	8.77	10.56	5.81	340	0.446	33.7	5.49	0.290
1350	8.74	10.64	5.74	353	0.458	10.8	5.08	0.299
1355	8.74	10.72	5.70	366	0.468	7.3	5.04	0.305
1400	8.74	10.73	5.70	371	0.472	7.1	5.01	0.307

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA Method 335.4
EPA Method 200.7

SVOC PAH's
VOC's BTEX
Cyanide
Metals

2 - 250 ml amber Yes ☒ No ☐

3 - 40 ml vials Yes ☒ No ☐

1 - 250 ml plastic Yes ☒ No ☐

1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S04-1215

Duplicate? Yes ☐ No ☒

Sample Time: 1405

MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐

Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S05

Date: 12/2/15

Weather: Rain 240

Time In: 1120

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.21	
Depth to Bottom:	(feet)	16.83	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.62	
Volume of Water in Well:	(gal)	1.22	
Three Well Volumes:	(gal)	3.66	

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: Clear No Sheen/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump ☐
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
Average Pumping Rate: (ml/min) 1500
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1125	9.33	11.70	7.17	69	0.508	44.2	2.84	0.328
1130	9.39	11.78	6.60	123	0.541	9.1	2.99	0.346
1135	9.44	11.85	6.38	141	0.545	3.3	3.01	0.349
1140	9.48	11.93	6.25	137	0.541	2.3	2.94	0.346
1145	9.51	11.95	6.22	102	0.535	5.2	2.84	0.342
1150	9.54	11.96	6.21	89	0.530	3.6	2.75	0.337

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA Method 335.4
EPA Method 200.7

SVOC PAH's
VOC's BTEX
Cyanide
Metals

2 - 250 ml amber Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S05-1215 Duplicate? Yes ☐ No ☒
Sample Time: 1155 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D05

Date:

12/2/15

Weather:

Rain & 40°

Time In:

1010

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	8.77	
Depth to Bottom:	(feet)	46.53	
Depth to Product:	(feet)	✓	
Length of Water Column:	(feet)	37.76	
Volume of Water in Well:	(gal)	609	
Three Well Volumes:	(gal)	18.12	

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:

Clear No Sheen/Dior

Purging Information

Purging Method:

Bailer

Peristaltic

Grundfos Pump

Tubing/Bailer Material:

Teflon

Stainless St.

Polyethylene

Sampling Method:

Bailer

Peristaltic

Grundfos Pump

Average Pumping Rate:

(ml/min)

500

Duration of Pumping:

(min)

30

Total Volume Removed:

(gal)

4

Did well go dry?

Yes

No

Horiba U-52 Water Quality Meter Used?

Yes

No

Conversion Factors

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	9.63	12.27	7.58	-126	0.372	36.3	2.51	0.239
1020	10.41	12.19	7.64	-91	0.348	13.6	7.64	0.225
1025	11.06	12.01	7.68	-68	0.345	10.4	1.30	0.225
1030	11.83	11.96	7.70	-65	0.347	7.8	1.28	0.225
1035	12.51	11.83	7.73	-62	0.345	5.4	1.27	0.226
1040	13.15	11.80	7.75	-60	0.351	2.8	1.21	0.228

Sampling Information:

EPA SW-846 Method 8270

SVOC PAH's

2 - 250 ml amber

Yes

No

EPA SW-846 Method 8260

VOC's BTEX

3 - 40 ml vials

Yes

No

EPA Method 335.4

Cyanide

1 - 250 ml plastic

Yes

No

EPA Method 200.7

Metals

1 - 250 ml plastic

Yes

No

Sample ID: LTMW-D05-1215

Duplicate?

Yes

No

Sample Time: 1045

MS/MSD?

Yes

No

Shipped: Drop-off Syracuse Service Center

Drop-off Albany Service Center

Comments/Notes:

Laboratory:

Test America

Amherst, New York

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S06

Date: 12/2/15

Weather: Rain & Snow

Time In: 910

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	13.20	
Depth to Bottom:	(feet)	17.60	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	4.40	
Volume of Water in Well:	(gal)	0.70	
Three Well Volumes:	(gal)	2.11	

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: Clear No Shallow Lodon

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
Tubing/Bailer Material: ☐ Teflon ☐ Stainless St. ☐ Polyethylene
Sampling Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
Average Pumping Rate: (ml/min) 1.500
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4 Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
915	13.27	13.19	7.01	22	1.59	36.2	2.50	1.05
920	13.35	12.18	6.46	-25	1.70	6.9	1.57	1.09
925	13.37	12.37	6.38	-21	1.70	10.5	1.46	1.09
930	13.40	12.63	6.34	-24	1.72	7.5	1.40	1.10
935	13.42	12.75	6.33	-25	1.72	8.3	1.35	1.10
940	13.44	12.73	6.33	-27	1.72	4.7	1.35	1.10

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA Method 335.4
EPA Method 200.7

SVOC PAH's
VOC's BTEX
Cyanide
Metals

2 - 250 ml amber
3 - 40 ml vials
1 - 250 ml plastic
1 - 250 ml plastic

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

Sample ID: LTMW-S06-1215 Duplicate? Yes ☐ No ☒
Sample Time: 945 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-D06

Date: 12/2/15

Weather: Rain 240

Time In: 815

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	12.31	
Depth to Bottom:	(feet)	52.22	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	39.91	
Volume of Water in Well:	(gal)	6.39	
Three Well Volumes:	(gal)	19.16	

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:

Clear No Slime/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☒ Grundfos Pump ☐
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Average Pumping Rate: (ml/min) 1500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4
 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
820	12.51	14.91	7.56	66	0.399	26.2	4.00	0.260
825	12.70	13.11	7.50	-26	0.404	10.5	1.84	0.263
830	13.01	12.40	7.52	-39	0.411	8.7	1.74	0.268
835	13.31	12.12	7.51	-43	0.419	6.7	1.61	0.273
840	13.57	12.05	7.48	-54	0.431	7.5	1.52	0.281
845	13.77	12.06	7.46	-55	0.436	3.2	1.48	0.284

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-D06-1215 Duplicate? Yes ☐ No ☒
 Sample Time: 850 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S07

Date: 12/1/15

Weather: Rain & 33

Time In: 1230

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	11.53	
Depth to Bottom:	(feet)	17.82	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	6.27	
Volume of Water in Well:	(gal)	1.00	
Three Well Volumes:	(gal)	3.00	

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: Clear No Shown / 1230

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☒ Grundfos Pump ☐
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
Average Pumping Rate: (ml/min) 500
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1235	11.87	7.87	6.34	-39	0.945	13.5	3.43	0.594
1240	11.95	9.89	6.49	-74	0.839	3.5	1.59	0.567
1245	12.13	10.20	6.50	-80	0.874	4.7	1.74	0.560
1250	12.25	10.44	6.49	-82	0.867	8.7	1.66	0.557
1255	12.39	10.56	6.48	-84	0.865	3.9	1.61	0.553
1300	12.46	10.87	6.49	-88	0.854	0.4	1.50	0.546

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

2 - 250 ml amber Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S07-1215 Duplicate? Yes ☐ No ☒
Sample Time: 1305 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S08

Date: 12/2/15

Weather: Rain 23.5

Time In: 925

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	15.67	
Depth to Bottom:	(feet)	17.39	
Depth to Product:	(feet)	✓	
Length of Water Column:	(feet)	1.72	
Volume of Water in Well:	(gal)	0.28	
Three Well Volumes:	(gal)	0.83	

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: clear No Shards/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump
 Average Pumping Rate: (ml/min) 1.500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
730	15.71	8.50	6.39	-21	1.11	2.7	2.20	0.714
735	15.74	8.43	6.41	-25	1.13	0.3	1.61	0.723
740	15.79	8.59	6.41	64	1.13	1.2	1.37	0.721
745	15.83	8.61	6.41	78	1.11	1.0	1.37	0.711
750	15.86	8.41	6.41	89	1.11	1.7	1.27	0.709
755	15.88	8.36	6.41	97	1.11	0.8	1.23	0.707

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

2 - 250 ml amber Yes ☒ No ☐
 3 - 40 ml vials Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐
 1 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S08-1215 Duplicate? Yes ☐ No ☒
 Sample Time: 800 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S09

Date: 12/1/15

Weather: Rain 35

Time In: 1015

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	10.40	
Depth to Bottom:	(feet)	16.92	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	6.52	
Volume of Water in Well:	(gal)	1.04	
Three Well Volumes:	(gal)	3.13	

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:

clear No Sheen / 0.00

Purging Information

Purging Method: ☐ Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
 Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump ☐
 Average Pumping Rate: (ml/min) 500
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 4
 Did well go dry? Yes ☐ No ☒
 Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1020	10.41	4.41	7.76	25	1.25	58.3	5.70	0.759
1030	40.41	11.36	7.27	1070	1.11	13.3	2.71	0.712
1035	10.41	12.13	7.04	120	1.1	46.6	2.84	0.709
1040	10.41	11.98	6.98	127	1.1	36.7	2.19	0.708
1245	10.41	11.80	6.95	133	1.1	34.5	2.12	0.709
1050	10.41	11.69	6.90	143	1.10	27.0	2.01	0.707

Sampling Information:

EPA SW-846 Method 8270
 EPA SW-846 Method 8260
 EPA Method 335.4
 EPA Method 200.7

SVOC PAH's
 VOC's BTEX
 Cyanide
 Metals

4 - 250 ml amber Yes ☒ No ☐
 6 - 40 ml vials Yes ☒ No ☐
 2 - 250 ml plastic Yes ☒ No ☐
 2 - 250 ml plastic Yes ☒ No ☐

Sample ID: LTMW-S09-1815
 Sample Time: 1555

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

FD-1215 Shipped: Drop-off Syracuse Service Center ☐
 Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
 Amherst, New York

National Grid
Kingsley Avenue, Rome, New York

Sampling Personnel: Eric Rosenzweig

Job Number: 36380.110154

Well Id. LTMW-S10

Date: 12/1/15

Weather: Rain 35°

Time In: 1115

Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	10.95	
Depth to Bottom:	(feet)	17.18	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	623	
Volume of Water in Well:	(gal)	0.99	
Three Well Volumes:	(gal)	3.00	

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:

clear No Sheen/odor

Purging Information

Purging Method: ☐ Bailer ☒ Peristaltic ☐ Grundfos Pump
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐ Polyethylene ☒
Sampling Method: Bailer ☐ Peristaltic ☒ Grundfos Pump
Average Pumping Rate: (ml/min) 500
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 4
Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1120	11.01	7.73	6.65	50	0.991	46.7	4.27	0.662
1125	11.10	10.65	6.29	-23	0.957	81.5	2.27	0.617
1130	11.18	11.02	6.15	-22	0.948	113	2.10	0.606
1135	11.25	11.25	6.00	-22	0.940	81.1	1.94	0.607
1140	11.35	11.38	6.02	-25	0.940	81.4	1.87	0.602
1145	11.59	11.48	6.00	-31	0.939	24.3	1.80	0.601

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA Method 335.4
EPA Method 200.7

SVOC PAH's
VOC's BTEX
Cyanide
Metals

6 - 250 ml amber
9 - 40 ml vials
3 - 250 ml plastic
3 - 250 ml plastic

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

Sample ID: LTMW-S10-1215 Duplicate? Yes ☐ No ☒
Sample Time: 1150 MS/MSD? Yes ☒ No ☐

Shipped: Drop-off Syracuse Service Center ☐
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Test America
Amherst, New York

Appendix D

Analytical Data Usability Summary Report with Analytical Data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-92086-1

Client Project/Site: Rome Kinsley Quarterly GW

For:

CDM Smith, Inc.

6800 Old Collamer Road

Suite 3

East Syracuse, New York 13057

Attn: Matthew Millias



Authorized for release by:

12/18/2015 10:32:56 AM

Anne Pridgeon, Project Management Assistant I

anne.pridgeon@testamericainc.com

Designee for

Becky Mason, Project Manager II

(413)572-4000

becky.mason@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Job ID: 480-92086-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-92086-1

Comments

No additional comments.

Receipt

The samples were received on 12/4/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.3° C, 0.5° C and 0.6° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LTMW-D03-1215 (480-92086-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: LTMW-D01-1215 (480-92086-1), (480-92086-F-1 MS) and (480-92086-F-1 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: LTMW-S01-1215 (480-92086-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: LTMW-S07-1215 (480-92086-13). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D01-1215

Lab Sample ID: 480-92086-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1500		40		ug/L	40		8260C	Total/NA
Toluene	340		40		ug/L	40		8260C	Total/NA
Ethylbenzene	54		40		ug/L	40		8260C	Total/NA

Client Sample ID: LTMW-S01-1215

Lab Sample ID: 480-92086-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	79	E	4.9		ug/L	1		8270D	Total/NA
Fluorene	23		4.9		ug/L	1		8270D	Total/NA
Acenaphthene - DL	79		49		ug/L	10		8270D	Total/NA
Cyanide, Total	0.020		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-D02-1215

Lab Sample ID: 480-92086-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.011		0.010		mg/L	1		200.7 Rev 4.4	Total/NA

Client Sample ID: LTMW-S02-1215

Lab Sample ID: 480-92086-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.12	F1	0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-D03-1215

Lab Sample ID: 480-92086-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	76		2.0		ug/L	2		8260C	Total/NA
o-Xylene	16		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total	16		4.0		ug/L	2		8260C	Total/NA
Acenaphthene	12		5.0		ug/L	1		8270D	Total/NA
Fluoranthene	5.6		5.0		ug/L	1		8270D	Total/NA
Fluorene	9.3		5.0		ug/L	1		8270D	Total/NA
Naphthalene	24		5.0		ug/L	1		8270D	Total/NA
Phenanthrene	25		5.0		ug/L	1		8270D	Total/NA
Pyrene	7.2		5.0		ug/L	1		8270D	Total/NA
Cyanide, Total	0.071		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-S03-1215

Lab Sample ID: 480-92086-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	4.4		0.010		mg/L	1		200.7 Rev 4.4	Total/NA

Client Sample ID: LTMW-D04-1215

Lab Sample ID: 480-92086-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.49		0.010		mg/L	1		200.7 Rev 4.4	Total/NA
Cyanide, Total	11.5		0.50		mg/L	50		335.4	Total/NA

Client Sample ID: LTMW-S04-1215

Lab Sample ID: 480-92086-8

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S04-1215 (Continued)

Lab Sample ID: 480-92086-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.017		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-D05-1215

Lab Sample ID: 480-92086-9

No Detections.

Client Sample ID: LTMW-S05-1215

Lab Sample ID: 480-92086-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.16		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-D06-1215

Lab Sample ID: 480-92086-11

No Detections.

Client Sample ID: LTMW-S06-1215

Lab Sample ID: 480-92086-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.019		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-S07-1215

Lab Sample ID: 480-92086-13

No Detections.

Client Sample ID: LTMW-S08-1215

Lab Sample ID: 480-92086-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.10		0.010		mg/L	1		335.4	Total/NA

Client Sample ID: LTMW-S09-1215

Lab Sample ID: 480-92086-15

No Detections.

Client Sample ID: LTMW-S10-1215

Lab Sample ID: 480-92086-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	29		4.9		ug/L	1		8270D	Total/NA

Client Sample ID: DUPLICATE-1215

Lab Sample ID: 480-92086-17

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-18

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-19

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D01-1215

Date Collected: 12/03/15 07:45

Date Received: 12/04/15 01:20

Lab Sample ID: 480-92086-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1500		40		ug/L			12/10/15 12:47	40
Toluene	340		40		ug/L			12/10/15 12:47	40
Ethylbenzene	54		40		ug/L			12/10/15 12:47	40
m-Xylene & p-Xylene	ND		80		ug/L			12/10/15 12:47	40
o-Xylene	ND		40		ug/L			12/10/15 12:47	40
Xylenes, Total	ND		80		ug/L			12/10/15 12:47	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		12/10/15 12:47	40
Toluene-d8 (Surr)	106		71 - 126		12/10/15 12:47	40
4-Bromofluorobenzene (Surr)	116		73 - 120		12/10/15 12:47	40
Dibromofluoromethane (Surr)	102		60 - 140		12/10/15 12:47	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Acenaphthylene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Anthracene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Benz(a)anthracene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Benzo(a)pyrene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Benzo(b)fluoranthene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Benzo(g,h,i)perylene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Benzo(k)fluoranthene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Chrysene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Dibenz(a,h)anthracene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Fluoranthene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Fluorene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Indeno(1,2,3-c,d)pyrene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Naphthalene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Phenanthrene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1
Pyrene	ND		4.8		ug/L		12/04/15 14:22	12/08/15 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		46 - 120	12/04/15 14:22	12/08/15 15:03	1
2-Fluorobiphenyl	72		48 - 120	12/04/15 14:22	12/08/15 15:03	1
p-Terphenyl-d14	85		67 - 150	12/04/15 14:22	12/08/15 15:03	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:43	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 09:43	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:45	12/10/15 11:38	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S01-1215

Lab Sample ID: 480-92086-2

Date Collected: 12/03/15 08:40

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 02:02	1
Toluene	ND		1.0		ug/L			12/10/15 02:02	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 02:02	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 02:02	1
o-Xylene	ND		1.0		ug/L			12/10/15 02:02	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		12/10/15 02:02	1
Toluene-d8 (Surr)	107		71 - 126		12/10/15 02:02	1
4-Bromofluorobenzene (Surr)	117		73 - 120		12/10/15 02:02	1
Dibromofluoromethane (Surr)	109		60 - 140		12/10/15 02:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	79	E	4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Acenaphthylene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Benz(a)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Benzo(a)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Benzo(b)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Benzo(g,h,i)perylene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Benzo(k)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Chrysene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Dibenz(a,h)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Fluorene	23		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Indeno(1,2,3-c,d)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Naphthalene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Phenanthrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1
Pyrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		46 - 120	12/04/15 14:22	12/08/15 15:32	1
2-Fluorobiphenyl	70		48 - 120	12/04/15 14:22	12/08/15 15:32	1
p-Terphenyl-d14	79		67 - 150	12/04/15 14:22	12/08/15 15:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	79		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Acenaphthylene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Anthracene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Benz(a)anthracene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Benzo(a)pyrene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Benzo(b)fluoranthene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Benzo(g,h,i)perylene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Benzo(k)fluoranthene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Chrysene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Dibenz(a,h)anthracene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Fluoranthene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S01-1215

Lab Sample ID: 480-92086-2

Date Collected: 12/03/15 08:40

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Indeno(1,2,3-c,d)pyrene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Naphthalene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Phenanthrene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10
Pyrene	ND		49		ug/L		12/04/15 14:22	12/09/15 15:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		46 - 120	12/04/15 14:22	12/09/15 15:27	10
2-Fluorobiphenyl	71		48 - 120	12/04/15 14:22	12/09/15 15:27	10
p-Terphenyl-d14	79		67 - 150	12/04/15 14:22	12/09/15 15:27	10

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:58	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 09:58	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.020		0.010		mg/L		12/09/15 15:45	12/10/15 11:40	1

Client Sample ID: LTMW-D02-1215

Lab Sample ID: 480-92086-3

Date Collected: 12/03/15 09:45

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 02:25	1
Toluene	ND		1.0		ug/L			12/10/15 02:25	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 02:25	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 02:25	1
o-Xylene	ND		1.0		ug/L			12/10/15 02:25	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		12/10/15 02:25	1
Toluene-d8 (Surr)	105		71 - 126		12/10/15 02:25	1
4-Bromofluorobenzene (Surr)	114		73 - 120		12/10/15 02:25	1
Dibromofluoromethane (Surr)	109		60 - 140		12/10/15 02:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Acenaphthylene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Anthracene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Benz(a)anthracene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Benzo(a)pyrene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Benzo(b)fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Benzo(g,h,i)perylene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Benzo(k)fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Chrysene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D02-1215

Lab Sample ID: 480-92086-3

Date Collected: 12/03/15 09:45

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Fluorene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Indeno(1,2,3-c,d)pyrene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Naphthalene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Phenanthrene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1
Pyrene	ND		5.4		ug/L		12/04/15 14:22	12/08/15 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		46 - 120	12/04/15 14:22	12/08/15 16:01	1
2-Fluorobiphenyl	83		48 - 120	12/04/15 14:22	12/08/15 16:01	1
p-Terphenyl-d14	85		67 - 150	12/04/15 14:22	12/08/15 16:01	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:01	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:01	1
Zinc	0.011		0.010		mg/L		12/04/15 11:44	12/05/15 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:45	12/10/15 11:41	1

Client Sample ID: LTMW-S02-1215

Lab Sample ID: 480-92086-4

Date Collected: 12/02/15 10:25

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 17:42	1
Toluene	ND		1.0		ug/L			12/09/15 17:42	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 17:42	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 17:42	1
o-Xylene	ND		1.0		ug/L			12/09/15 17:42	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		12/09/15 17:42	1
Toluene-d8 (Surr)	106		71 - 126		12/09/15 17:42	1
4-Bromofluorobenzene (Surr)	116		73 - 120		12/09/15 17:42	1
Dibromofluoromethane (Surr)	108		60 - 140		12/09/15 17:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Acenaphthylene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Anthracene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Benz(a)anthracene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Benzo(a)pyrene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Benzo(b)fluoranthene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Benzo(g,h,i)perylene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S02-1215

Lab Sample ID: 480-92086-4

Date Collected: 12/02/15 10:25

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Chrysene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Dibenz(a,h)anthracene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Fluoranthene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Fluorene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Indeno(1,2,3-c,d)pyrene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Naphthalene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Phenanthrene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Pyrene	ND		5.7		ug/L		12/04/15 14:22	12/08/15 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		46 - 120				12/04/15 14:22	12/08/15 16:30	1
2-Fluorobiphenyl	83		48 - 120				12/04/15 14:22	12/08/15 16:30	1
p-Terphenyl-d14	82		67 - 150				12/04/15 14:22	12/08/15 16:30	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:14	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:14	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.12	F1	0.010		mg/L		12/09/15 15:51	12/10/15 11:50	1

Client Sample ID: LTMW-D03-1215

Lab Sample ID: 480-92086-5

Date Collected: 12/02/15 15:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10		2.0		ug/L			12/10/15 02:49	2
Toluene	ND		2.0		ug/L			12/10/15 02:49	2
Ethylbenzene	76		2.0		ug/L			12/10/15 02:49	2
m-Xylene & p-Xylene	ND		4.0		ug/L			12/10/15 02:49	2
o-Xylene	16		2.0		ug/L			12/10/15 02:49	2
Xylenes, Total	16		4.0		ug/L			12/10/15 02:49	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					12/10/15 02:49	2
Toluene-d8 (Surr)	105		71 - 126					12/10/15 02:49	2
4-Bromofluorobenzene (Surr)	115		73 - 120					12/10/15 02:49	2
Dibromofluoromethane (Surr)	107		60 - 140					12/10/15 02:49	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	12		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Acenaphthylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Benz(a)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Benzo(a)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D03-1215

Lab Sample ID: 480-92086-5

Date Collected: 12/02/15 15:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(b)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Benzo(g,h,i)perylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Chrysene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Fluoranthene	5.6		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Fluorene	9.3		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Indeno(1,2,3-c,d)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Naphthalene	24		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Phenanthrene	25		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1
Pyrene	7.2		5.0		ug/L		12/04/15 14:22	12/08/15 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		46 - 120	12/04/15 14:22	12/08/15 16:59	1
2-Fluorobiphenyl	84		48 - 120	12/04/15 14:22	12/08/15 16:59	1
p-Terphenyl-d14	85		67 - 150	12/04/15 14:22	12/08/15 16:59	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:17	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:17	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.071		0.010		mg/L		12/11/15 08:55	12/11/15 14:08	1

Client Sample ID: LTMW-S03-1215

Lab Sample ID: 480-92086-6

Date Collected: 12/03/15 14:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 03:13	1
Toluene	ND		1.0		ug/L			12/10/15 03:13	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 03:13	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 03:13	1
o-Xylene	ND		1.0		ug/L			12/10/15 03:13	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		12/10/15 03:13	1
Toluene-d8 (Surr)	103		71 - 126		12/10/15 03:13	1
4-Bromofluorobenzene (Surr)	114		73 - 120		12/10/15 03:13	1
Dibromofluoromethane (Surr)	104		60 - 140		12/10/15 03:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Acenaphthylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S03-1215

Lab Sample ID: 480-92086-6

Date Collected: 12/03/15 14:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benz(a)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Benzo(a)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Benzo(g,h,i)perylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Chrysene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Fluorene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Indeno(1,2,3-c,d)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Naphthalene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Phenanthrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1
Pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	79		46 - 120	12/04/15 14:22	12/08/15 17:28	1
2-Fluorobiphenyl	88		48 - 120	12/04/15 14:22	12/08/15 17:28	1
p-Terphenyl-d14	83		67 - 150	12/04/15 14:22	12/08/15 17:28	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:20	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:20	1
Zinc	4.4		0.010		mg/L		12/04/15 11:44	12/05/15 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 11:54	1

Client Sample ID: LTMW-D04-1215

Lab Sample ID: 480-92086-7

Date Collected: 12/02/15 13:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 03:37	1
Toluene	ND		1.0		ug/L			12/10/15 03:37	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 03:37	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 03:37	1
o-Xylene	ND		1.0		ug/L			12/10/15 03:37	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		12/10/15 03:37	1
Toluene-d8 (Surr)	103		71 - 126		12/10/15 03:37	1
4-Bromofluorobenzene (Surr)	113		73 - 120		12/10/15 03:37	1
Dibromofluoromethane (Surr)	106		60 - 140		12/10/15 03:37	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D04-1215

Lab Sample ID: 480-92086-7

Date Collected: 12/02/15 13:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Anthracene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Benz(a)anthracene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Benzo(a)pyrene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Benzo(b)fluoranthene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Benzo(g,h,i)perylene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Benzo(k)fluoranthene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Chrysene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Dibenz(a,h)anthracene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Fluoranthene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Fluorene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Indeno(1,2,3-c,d)pyrene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Naphthalene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Phenanthrene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1
Pyrene	ND		5.8		ug/L		12/04/15 14:22	12/08/15 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		46 - 120	12/04/15 14:22	12/08/15 17:57	1
2-Fluorobiphenyl	87		48 - 120	12/04/15 14:22	12/08/15 17:57	1
p-Terphenyl-d14	81		67 - 150	12/04/15 14:22	12/08/15 17:57	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:23	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:23	1
Zinc	0.49		0.010		mg/L		12/04/15 11:44	12/05/15 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	11.5		0.50		mg/L		12/09/15 15:51	12/10/15 12:29	50

Client Sample ID: LTMW-S04-1215

Lab Sample ID: 480-92086-8

Date Collected: 12/02/15 14:05

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 04:01	1
Toluene	ND		1.0		ug/L			12/10/15 04:01	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 04:01	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 04:01	1
o-Xylene	ND		1.0		ug/L			12/10/15 04:01	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		12/10/15 04:01	1
Toluene-d8 (Surr)	106		71 - 126		12/10/15 04:01	1
4-Bromofluorobenzene (Surr)	115		73 - 120		12/10/15 04:01	1
Dibromofluoromethane (Surr)	105		60 - 140		12/10/15 04:01	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S04-1215

Lab Sample ID: 480-92086-8

Date Collected: 12/02/15 14:05

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Acenaphthylene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Anthracene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Benz(a)anthracene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Benzo(a)pyrene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Benzo(b)fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Benzo(g,h,i)perylene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Benzo(k)fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Chrysene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Dibenz(a,h)anthracene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Fluorene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Indeno(1,2,3-c,d)pyrene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Naphthalene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Phenanthrene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Pyrene	ND		5.1		ug/L		12/04/15 14:22	12/08/15 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		46 - 120				12/04/15 14:22	12/08/15 18:26	1
2-Fluorobiphenyl	72		48 - 120				12/04/15 14:22	12/08/15 18:26	1
p-Terphenyl-d14	85		67 - 150				12/04/15 14:22	12/08/15 18:26	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:26	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:26	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.017		0.010		mg/L		12/09/15 15:51	12/10/15 11:57	1

Client Sample ID: LTMW-D05-1215

Lab Sample ID: 480-92086-9

Date Collected: 12/02/15 10:45

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 04:25	1
Toluene	ND		1.0		ug/L			12/10/15 04:25	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 04:25	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 04:25	1
o-Xylene	ND		1.0		ug/L			12/10/15 04:25	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137					12/10/15 04:25	1
Toluene-d8 (Surr)	105		71 - 126					12/10/15 04:25	1
4-Bromofluorobenzene (Surr)	114		73 - 120					12/10/15 04:25	1
Dibromofluoromethane (Surr)	105		60 - 140					12/10/15 04:25	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D05-1215

Lab Sample ID: 480-92086-9

Date Collected: 12/02/15 10:45

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Acenaphthylene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Anthracene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Benz(a)anthracene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Benzo(a)pyrene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Benzo(b)fluoranthene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Benzo(g,h,i)perylene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Benzo(k)fluoranthene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Chrysene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Dibenz(a,h)anthracene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Fluoranthene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Fluorene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Indeno(1,2,3-c,d)pyrene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Naphthalene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Phenanthrene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Pyrene	ND		5.3		ug/L		12/04/15 14:22	12/09/15 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		46 - 120				12/04/15 14:22	12/09/15 11:05	1
2-Fluorobiphenyl	75		48 - 120				12/04/15 14:22	12/09/15 11:05	1
p-Terphenyl-d14	90		67 - 150				12/04/15 14:22	12/09/15 11:05	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:29	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:29	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	F1	0.010		mg/L		12/09/15 15:51	12/10/15 12:01	1

Client Sample ID: LTMW-S05-1215

Lab Sample ID: 480-92086-10

Date Collected: 12/02/15 11:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 04:49	1
Toluene	ND		1.0		ug/L			12/10/15 04:49	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 04:49	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 04:49	1
o-Xylene	ND		1.0		ug/L			12/10/15 04:49	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					12/10/15 04:49	1
Toluene-d8 (Surr)	105		71 - 126					12/10/15 04:49	1
4-Bromofluorobenzene (Surr)	115		73 - 120					12/10/15 04:49	1
Dibromofluoromethane (Surr)	107		60 - 140					12/10/15 04:49	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S05-1215

Lab Sample ID: 480-92086-10

Date Collected: 12/02/15 11:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Acenaphthylene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Anthracene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Benz(a)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Benzo(a)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Benzo(g,h,i)perylene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Chrysene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Fluorene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Indeno(1,2,3-c,d)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Naphthalene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Phenanthrene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Pyrene	ND		5.0		ug/L		12/04/15 14:22	12/09/15 11:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		46 - 120				12/04/15 14:22	12/09/15 11:34	1
2-Fluorobiphenyl	86		48 - 120				12/04/15 14:22	12/09/15 11:34	1
p-Terphenyl-d14	78		67 - 150				12/04/15 14:22	12/09/15 11:34	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:33	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:33	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.16		0.010		mg/L		12/09/15 15:51	12/10/15 12:04	1

Client Sample ID: LTMW-D06-1215

Lab Sample ID: 480-92086-11

Date Collected: 12/02/15 08:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 05:12	1
Toluene	ND		1.0		ug/L			12/10/15 05:12	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 05:12	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 05:12	1
o-Xylene	ND		1.0		ug/L			12/10/15 05:12	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					12/10/15 05:12	1
Toluene-d8 (Surr)	106		71 - 126					12/10/15 05:12	1
4-Bromofluorobenzene (Surr)	114		73 - 120					12/10/15 05:12	1
Dibromofluoromethane (Surr)	107		60 - 140					12/10/15 05:12	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D06-1215

Lab Sample ID: 480-92086-11

Date Collected: 12/02/15 08:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Acenaphthylene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Benz(a)anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Benzo(a)pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Benzo(b)fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Benzo(g,h,i)perylene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Benzo(k)fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Chrysene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Dibenz(a,h)anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Fluorene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Indeno(1,2,3-c,d)pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Naphthalene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Phenanthrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		46 - 120				12/04/15 14:22	12/09/15 12:03	1
2-Fluorobiphenyl	78		48 - 120				12/04/15 14:22	12/09/15 12:03	1
p-Terphenyl-d14	90		67 - 150				12/04/15 14:22	12/09/15 12:03	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:36	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:36	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 12:06	1

Client Sample ID: LTMW-S06-1215

Lab Sample ID: 480-92086-12

Date Collected: 12/02/15 08:49

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 05:35	1
Toluene	ND		1.0		ug/L			12/10/15 05:35	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 05:35	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 05:35	1
o-Xylene	ND		1.0		ug/L			12/10/15 05:35	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					12/10/15 05:35	1
Toluene-d8 (Surr)	106		71 - 126					12/10/15 05:35	1
4-Bromofluorobenzene (Surr)	116		73 - 120					12/10/15 05:35	1
Dibromofluoromethane (Surr)	108		60 - 140					12/10/15 05:35	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S06-1215

Lab Sample ID: 480-92086-12

Date Collected: 12/02/15 08:49

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Acenaphthylene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Anthracene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Benz(a)anthracene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Benzo(a)pyrene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Benzo(b)fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Benzo(g,h,i)perylene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Benzo(k)fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Chrysene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Dibenz(a,h)anthracene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Fluoranthene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Fluorene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Indeno(1,2,3-c,d)pyrene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Naphthalene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Phenanthrene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Pyrene	ND		5.4		ug/L		12/04/15 14:22	12/09/15 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		46 - 120				12/04/15 14:22	12/09/15 12:32	1
2-Fluorobiphenyl	81		48 - 120				12/04/15 14:22	12/09/15 12:32	1
p-Terphenyl-d14	87		67 - 150				12/04/15 14:22	12/09/15 12:32	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:39	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:39	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.019		0.010		mg/L		12/09/15 15:51	12/10/15 12:07	1

Client Sample ID: LTMW-S07-1215

Lab Sample ID: 480-92086-13

Date Collected: 12/01/15 13:05

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 18:05	1
Toluene	ND		1.0		ug/L			12/09/15 18:05	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 18:05	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 18:05	1
o-Xylene	ND		1.0		ug/L			12/09/15 18:05	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					12/09/15 18:05	1
Toluene-d8 (Surr)	105		71 - 126					12/09/15 18:05	1
4-Bromofluorobenzene (Surr)	112		73 - 120					12/09/15 18:05	1
Dibromofluoromethane (Surr)	103		60 - 140					12/09/15 18:05	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S07-1215

Lab Sample ID: 480-92086-13

Date Collected: 12/01/15 13:05

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Acenaphthylene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Benz(a)anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Benzo(a)pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Benzo(b)fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Benzo(g,h,i)perylene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Benzo(k)fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Chrysene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Dibenz(a,h)anthracene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Fluoranthene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Fluorene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Indeno(1,2,3-c,d)pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Naphthalene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Phenanthrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Pyrene	ND		5.2		ug/L		12/04/15 14:22	12/09/15 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		46 - 120				12/04/15 14:22	12/09/15 13:02	1
2-Fluorobiphenyl	77		48 - 120				12/04/15 14:22	12/09/15 13:02	1
p-Terphenyl-d14	63	X	67 - 150				12/04/15 14:22	12/09/15 13:02	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:52	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:52	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 12:09	1

Client Sample ID: LTMW-S08-1215

Lab Sample ID: 480-92086-14

Date Collected: 12/02/15 08:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 05:59	1
Toluene	ND		1.0		ug/L			12/10/15 05:59	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 05:59	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 05:59	1
o-Xylene	ND		1.0		ug/L			12/10/15 05:59	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					12/10/15 05:59	1
Toluene-d8 (Surr)	105		71 - 126					12/10/15 05:59	1
4-Bromofluorobenzene (Surr)	115		73 - 120					12/10/15 05:59	1
Dibromofluoromethane (Surr)	104		60 - 140					12/10/15 05:59	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S08-1215

Lab Sample ID: 480-92086-14

Date Collected: 12/02/15 08:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Acenaphthylene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Benz(a)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Benzo(a)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Benzo(b)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Benzo(g,h,i)perylene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Benzo(k)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Chrysene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Dibenz(a,h)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Fluorene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Indeno(1,2,3-c,d)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Naphthalene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Phenanthrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		46 - 120				12/04/15 14:22	12/09/15 13:31	1
2-Fluorobiphenyl	68		48 - 120				12/04/15 14:22	12/09/15 13:31	1
p-Terphenyl-d14	71		67 - 150				12/04/15 14:22	12/09/15 13:31	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:55	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:55	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.10		0.010		mg/L		12/09/15 15:51	12/10/15 12:10	1

Client Sample ID: LTMW-S09-1215

Lab Sample ID: 480-92086-15

Date Collected: 12/01/15 10:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 18:29	1
Toluene	ND		1.0		ug/L			12/09/15 18:29	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 18:29	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 18:29	1
o-Xylene	ND		1.0		ug/L			12/09/15 18:29	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					12/09/15 18:29	1
Toluene-d8 (Surr)	104		71 - 126					12/09/15 18:29	1
4-Bromofluorobenzene (Surr)	114		73 - 120					12/09/15 18:29	1
Dibromofluoromethane (Surr)	103		60 - 140					12/09/15 18:29	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S09-1215

Lab Sample ID: 480-92086-15

Date Collected: 12/01/15 10:55

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Acenaphthylene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Anthracene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Benz(a)anthracene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Benzo(a)pyrene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Benzo(b)fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Benzo(g,h,i)perylene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Benzo(k)fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Chrysene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Dibenz(a,h)anthracene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Fluoranthene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Fluorene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Indeno(1,2,3-c,d)pyrene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Naphthalene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Phenanthrene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Pyrene	ND		5.1		ug/L		12/04/15 14:22	12/09/15 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		46 - 120				12/04/15 14:22	12/09/15 14:00	1
2-Fluorobiphenyl	74		48 - 120				12/04/15 14:22	12/09/15 14:00	1
p-Terphenyl-d14	77		67 - 150				12/04/15 14:22	12/09/15 14:00	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:58	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 10:58	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 12:11	1

Client Sample ID: LTMW-S10-1215

Lab Sample ID: 480-92086-16

Date Collected: 12/01/15 11:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 18:52	1
Toluene	ND		1.0		ug/L			12/09/15 18:52	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 18:52	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 18:52	1
o-Xylene	ND		1.0		ug/L			12/09/15 18:52	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137					12/09/15 18:52	1
Toluene-d8 (Surr)	106		71 - 126					12/09/15 18:52	1
4-Bromofluorobenzene (Surr)	114		73 - 120					12/09/15 18:52	1
Dibromofluoromethane (Surr)	102		60 - 140					12/09/15 18:52	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S10-1215

Lab Sample ID: 480-92086-16

Date Collected: 12/01/15 11:50

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	29		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Acenaphthylene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Benz(a)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Benzo(a)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Benzo(b)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Benzo(g,h,i)perylene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Benzo(k)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Chrysene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Dibenz(a,h)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Fluorene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Indeno(1,2,3-c,d)pyrene	ND	F1	4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Naphthalene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Phenanthrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Pyrene	ND		4.9		ug/L		12/04/15 14:22	12/08/15 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		46 - 120				12/04/15 14:22	12/08/15 19:24	1
2-Fluorobiphenyl	78		48 - 120				12/04/15 14:22	12/08/15 19:24	1
p-Terphenyl-d14	85		67 - 150				12/04/15 14:22	12/08/15 19:24	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 11:01	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 11:01	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/14/15 07:25	12/14/15 12:58	1

Client Sample ID: DUPLICATE-1215

Lab Sample ID: 480-92086-17

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 19:16	1
Toluene	ND		1.0		ug/L			12/09/15 19:16	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 19:16	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 19:16	1
o-Xylene	ND		1.0		ug/L			12/09/15 19:16	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					12/09/15 19:16	1
Toluene-d8 (Surr)	105		71 - 126					12/09/15 19:16	1
4-Bromofluorobenzene (Surr)	113		73 - 120					12/09/15 19:16	1
Dibromofluoromethane (Surr)	103		60 - 140					12/09/15 19:16	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: DUPLICATE-1215

Lab Sample ID: 480-92086-17

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Acenaphthylene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Benz(a)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Benzo(a)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Benzo(b)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Benzo(g,h,i)perylene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Benzo(k)fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Chrysene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Dibenz(a,h)anthracene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Fluoranthene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Fluorene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Indeno(1,2,3-c,d)pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Naphthalene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Phenanthrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Pyrene	ND		4.9		ug/L		12/04/15 14:22	12/09/15 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		46 - 120				12/04/15 14:22	12/09/15 14:29	1
2-Fluorobiphenyl	76		48 - 120				12/04/15 14:22	12/09/15 14:29	1
p-Terphenyl-d14	84		67 - 150				12/04/15 14:22	12/09/15 14:29	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/07/15 11:47	12/07/15 14:45	1
Lead	ND		0.0050		mg/L		12/07/15 11:47	12/07/15 14:45	1
Zinc	ND		0.010		mg/L		12/07/15 11:47	12/07/15 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 12:13	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-18

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 19:39	1
Toluene	ND		1.0		ug/L			12/09/15 19:39	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 19:39	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 19:39	1
o-Xylene	ND		1.0		ug/L			12/09/15 19:39	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					12/09/15 19:39	1
Toluene-d8 (Surr)	105		71 - 126					12/09/15 19:39	1
4-Bromofluorobenzene (Surr)	114		73 - 120					12/09/15 19:39	1
Dibromofluoromethane (Surr)	103		60 - 140					12/09/15 19:39	1

TestAmerica Buffalo

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-19

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 20:03	1
Toluene	ND		1.0		ug/L			12/09/15 20:03	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 20:03	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 20:03	1
o-Xylene	ND		1.0		ug/L			12/09/15 20:03	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		12/09/15 20:03	1
Toluene-d8 (Surr)	103		71 - 126		12/09/15 20:03	1
4-Bromofluorobenzene (Surr)	110		73 - 120		12/09/15 20:03	1
Dibromofluoromethane (Surr)	103		60 - 140		12/09/15 20:03	1

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (66-137)	TOL (71-126)	BFB (73-120)	DBFM (60-140)
480-92086-1	LTMW-D01-1215	96	106	116	102
480-92086-1 MS	LTMW-D01-1215	90	105	115	101
480-92086-1 MSD	LTMW-D01-1215	89	105	116	99
480-92086-2	LTMW-S01-1215	99	107	117	109
480-92086-3	LTMW-D02-1215	99	105	114	109
480-92086-4	LTMW-S02-1215	98	106	116	108
480-92086-5	LTMW-D03-1215	99	105	115	107
480-92086-6	LTMW-S03-1215	98	103	114	104
480-92086-7	LTMW-D04-1215	98	103	113	106
480-92086-8	LTMW-S04-1215	97	106	115	105
480-92086-9	LTMW-D05-1215	96	105	114	105
480-92086-10	LTMW-S05-1215	99	105	115	107
480-92086-11	LTMW-D06-1215	98	106	114	107
480-92086-12	LTMW-S06-1215	98	106	116	108
480-92086-13	LTMW-S07-1215	97	105	112	103
480-92086-14	LTMW-S08-1215	99	105	115	104
480-92086-15	LTMW-S09-1215	98	104	114	103
480-92086-16	LTMW-S10-1215	95	106	114	102
480-92086-16 MS	LTMW-S10-1215	96	106	115	105
480-92086-16 MSD	LTMW-S10-1215	95	106	116	105
480-92086-17	DUPLICATE-1215	98	105	113	103
480-92086-18	TRIP BLANK	97	105	114	103
480-92086-19	TRIP BLANK	97	103	110	103
LCS 480-278827/3	Lab Control Sample	93	107	117	102
LCS 480-278989/4	Lab Control Sample	96	108	118	108
LCS 480-279064/4	Lab Control Sample	92	109	117	103
MB 480-278827/5	Method Blank	97	107	116	107
MB 480-278989/6	Method Blank	94	106	115	101
MB 480-279064/6	Method Blank	90	104	113	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPH (67-150)
480-92086-1	LTMW-D01-1215	67	72	85
480-92086-2	LTMW-S01-1215	65	70	79
480-92086-2 - DL	LTMW-S01-1215	58	71	79
480-92086-3	LTMW-D02-1215	77	83	85
480-92086-4	LTMW-S02-1215	80	83	82
480-92086-5	LTMW-D03-1215	76	84	85
480-92086-6	LTMW-S03-1215	79	88	83

TestAmerica Buffalo

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPH (67-150)
480-92086-7	LTMW-D04-1215	81	87	81
480-92086-8	LTMW-S04-1215	64	72	85
480-92086-9	LTMW-D05-1215	66	75	90
480-92086-10	LTMW-S05-1215	73	86	78
480-92086-11	LTMW-D06-1215	69	78	90
480-92086-12	LTMW-S06-1215	70	81	87
480-92086-13	LTMW-S07-1215	69	77	63 X
480-92086-14	LTMW-S08-1215	62	68	71
480-92086-15	LTMW-S09-1215	67	74	77
480-92086-16	LTMW-S10-1215	72	78	85
480-92086-16 MS	LTMW-S10-1215	76	82	71
480-92086-16 MSD	LTMW-S10-1215	80	81	74
480-92086-17	DUPLICATE-1215	68	76	84
LCS 480-278221/2-A	Lab Control Sample	80	82	90
MB 480-278221/1-A	Method Blank	75	78	92

Surrogate Legend

NBZ = Nitrobenzene-d5

FBP = 2-Fluorobiphenyl

TPH = p-Terphenyl-d14

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-278827/5

Matrix: Water

Analysis Batch: 278827

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 12:26	1
Toluene	ND		1.0		ug/L			12/09/15 12:26	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 12:26	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 12:26	1
o-Xylene	ND		1.0		ug/L			12/09/15 12:26	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		12/09/15 12:26	1
Toluene-d8 (Surr)	107		71 - 126		12/09/15 12:26	1
4-Bromofluorobenzene (Surr)	116		73 - 120		12/09/15 12:26	1
Dibromofluoromethane (Surr)	107		60 - 140		12/09/15 12:26	1

Lab Sample ID: LCS 480-278827/3

Matrix: Water

Analysis Batch: 278827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.6		ug/L		107	71 - 124
Toluene	25.0	26.7		ug/L		107	80 - 122
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
m-Xylene & p-Xylene	25.0	27.4		ug/L		110	76 - 122
o-Xylene	25.0	26.4		ug/L		105	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	107		71 - 126
4-Bromofluorobenzene (Surr)	117		73 - 120
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: 480-92086-16 MS

Matrix: Water

Analysis Batch: 278827

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.7		ug/L		115	71 - 124
Toluene	ND		25.0	27.9		ug/L		112	80 - 122
Ethylbenzene	ND		25.0	26.9		ug/L		107	77 - 123
m-Xylene & p-Xylene	ND		25.0	27.7		ug/L		111	76 - 122
o-Xylene	ND		25.0	26.9		ug/L		108	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	115		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-92086-16 MSD

Matrix: Water

Analysis Batch: 278827

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	29.7		ug/L		119	71 - 124	3	13
Toluene	ND		25.0	29.2		ug/L		117	80 - 122	5	15
Ethylbenzene	ND		25.0	29.0		ug/L		116	77 - 123	8	15
m-Xylene & p-Xylene	ND		25.0	29.8		ug/L		119	76 - 122	7	16
o-Xylene	ND		25.0	28.5		ug/L		114	76 - 122	6	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	116		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140

Lab Sample ID: MB 480-278989/6

Matrix: Water

Analysis Batch: 278989

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/09/15 22:55	1
Toluene	ND		1.0		ug/L			12/09/15 22:55	1
Ethylbenzene	ND		1.0		ug/L			12/09/15 22:55	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/09/15 22:55	1
o-Xylene	ND		1.0		ug/L			12/09/15 22:55	1
Xylenes, Total	ND		2.0		ug/L			12/09/15 22:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		12/09/15 22:55	1
Toluene-d8 (Surr)	106		71 - 126		12/09/15 22:55	1
4-Bromofluorobenzene (Surr)	115		73 - 120		12/09/15 22:55	1
Dibromofluoromethane (Surr)	101		60 - 140		12/09/15 22:55	1

Lab Sample ID: LCS 480-278989/4

Matrix: Water

Analysis Batch: 278989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.1		ug/L		104	71 - 124
Toluene	25.0	26.5		ug/L		106	80 - 122
Ethylbenzene	25.0	26.6		ug/L		107	77 - 123
m-Xylene & p-Xylene	25.0	27.1		ug/L		109	76 - 122
o-Xylene	25.0	27.5		ug/L		110	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	108		71 - 126
4-Bromofluorobenzene (Surr)	118		73 - 120
Dibromofluoromethane (Surr)	108		60 - 140

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-279064/6

Matrix: Water

Analysis Batch: 279064

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/10/15 12:10	1
Toluene	ND		1.0		ug/L			12/10/15 12:10	1
Ethylbenzene	ND		1.0		ug/L			12/10/15 12:10	1
m-Xylene & p-Xylene	ND		2.0		ug/L			12/10/15 12:10	1
o-Xylene	ND		1.0		ug/L			12/10/15 12:10	1
Xylenes, Total	ND		2.0		ug/L			12/10/15 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		66 - 137		12/10/15 12:10	1
Toluene-d8 (Surr)	104		71 - 126		12/10/15 12:10	1
4-Bromofluorobenzene (Surr)	113		73 - 120		12/10/15 12:10	1
Dibromofluoromethane (Surr)	99		60 - 140		12/10/15 12:10	1

Lab Sample ID: LCS 480-279064/4

Matrix: Water

Analysis Batch: 279064

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.0		ug/L		104	71 - 124
Toluene	25.0	26.5		ug/L		106	80 - 122
Ethylbenzene	25.0	26.9		ug/L		107	77 - 123
m-Xylene & p-Xylene	25.0	27.8		ug/L		111	76 - 122
o-Xylene	25.0	26.8		ug/L		107	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
Toluene-d8 (Surr)	109		71 - 126
4-Bromofluorobenzene (Surr)	117		73 - 120
Dibromofluoromethane (Surr)	103		60 - 140

Lab Sample ID: 480-92086-1 MS

Matrix: Water

Analysis Batch: 279064

Client Sample ID: LTMW-D01-1215

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	1500		1000	2310		ug/L		79	71 - 124
Toluene	340		1000	1380		ug/L		104	80 - 122
Ethylbenzene	54		1000	1090		ug/L		104	77 - 123
m-Xylene & p-Xylene	ND		1000	1170		ug/L		113	76 - 122
o-Xylene	ND		1000	1060		ug/L		106	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	115		73 - 120
Dibromofluoromethane (Surr)	101		60 - 140

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-92086-1 MSD

Matrix: Water

Analysis Batch: 279064

Client Sample ID: LTMW-D01-1215

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1500		1000	2310		ug/L		79	71 - 124	0	13
Toluene	340		1000	1380		ug/L		104	80 - 122	0	15
Ethylbenzene	54		1000	1110		ug/L		106	77 - 123	2	15
m-Xylene & p-Xylene	ND		1000	1170		ug/L		114	76 - 122	0	16
o-Xylene	ND		1000	1080		ug/L		108	76 - 122	2	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	116		73 - 120
Dibromofluoromethane (Surr)	99		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-278221/1-A

Matrix: Water

Analysis Batch: 278619

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 278221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Acenaphthylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Benz(a)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Benzo(a)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Benzo(g,h,i)perylene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Chrysene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Fluoranthene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Fluorene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Indeno(1,2,3-c,d)pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Naphthalene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Phenanthrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1
Pyrene	ND		5.0		ug/L		12/04/15 14:22	12/08/15 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		46 - 120	12/04/15 14:22	12/08/15 13:06	1
2-Fluorobiphenyl	78		48 - 120	12/04/15 14:22	12/08/15 13:06	1
p-Terphenyl-d14	92		67 - 150	12/04/15 14:22	12/08/15 13:06	1

Lab Sample ID: LCS 480-278221/2-A

Matrix: Water

Analysis Batch: 278619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	16.0	14.6		ug/L		91	60 - 120

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-278221/2-A

Matrix: Water

Analysis Batch: 278619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	16.0	14.3		ug/L		89	63 - 120
Anthracene	16.0	15.8		ug/L		99	58 - 148
Benz(a)anthracene	16.0	15.3		ug/L		96	55 - 151
Benzo(a)pyrene	16.0	14.6		ug/L		92	60 - 145
Benzo(b)fluoranthene	16.0	15.6		ug/L		97	54 - 140
Benzo(g,h,i)perylene	16.0	16.3		ug/L		102	66 - 152
Benzo(k)fluoranthene	16.0	15.2		ug/L		95	51 - 153
Chrysene	16.0	14.9		ug/L		93	69 - 140
Dibenz(a,h)anthracene	16.0	15.2		ug/L		95	57 - 148
Fluoranthene	16.0	16.5		ug/L		103	55 - 147
Fluorene	16.0	14.9		ug/L		93	55 - 143
Indeno(1,2,3-c,d)pyrene	16.0	15.3		ug/L		96	69 - 146
Naphthalene	16.0	13.8		ug/L		86	35 - 130
Phenanthrene	16.0	15.3		ug/L		96	57 - 147
Pyrene	16.0	15.5		ug/L		97	58 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	80		46 - 120
2-Fluorobiphenyl	82		48 - 120
p-Terphenyl-d14	90		67 - 150

Lab Sample ID: 480-92086-16 MS

Matrix: Water

Analysis Batch: 278619

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Prep Batch: 278221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	29		15.5	44.4		ug/L		99	60 - 120
Acenaphthylene	ND		15.5	15.1		ug/L		89	63 - 120
Anthracene	ND		15.5	14.9		ug/L		95	58 - 148
Benz(a)anthracene	ND		15.5	13.0		ug/L		84	55 - 151
Benzo(a)pyrene	ND		15.5	10.5		ug/L		68	60 - 145
Benzo(b)fluoranthene	ND		15.5	11.6		ug/L		75	54 - 140
Benzo(g,h,i)perylene	ND		15.5	11.1		ug/L		72	66 - 152
Benzo(k)fluoranthene	ND		15.5	10.4		ug/L		67	51 - 153
Chrysene	ND		15.5	12.6		ug/L		82	69 - 140
Dibenz(a,h)anthracene	ND		15.5	9.93		ug/L		64	57 - 158
Fluoranthene	ND		15.5	18.0		ug/L		99	55 - 147
Fluorene	ND		15.5	17.6		ug/L		97	55 - 143
Indeno(1,2,3-c,d)pyrene	ND	F1	15.5	10.2	F1	ug/L		66	69 - 146
Naphthalene	ND		15.5	13.0		ug/L		84	35 - 130
Phenanthrene	ND		15.5	16.7		ug/L		89	57 - 147
Pyrene	ND		15.5	17.2		ug/L		91	58 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	76		46 - 120
2-Fluorobiphenyl	82		48 - 120
p-Terphenyl-d14	71		67 - 150

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-92086-16 MSD

Matrix: Water

Analysis Batch: 278619

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Prep Batch: 278221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	29		15.7	43.9		ug/L		95	60 - 120	1	24
Acenaphthylene	ND		15.7	15.4		ug/L		90	63 - 120	2	18
Anthracene	ND		15.7	15.8		ug/L		99	58 - 148	6	15
Benz(a)anthracene	ND		15.7	13.6		ug/L		87	55 - 151	4	15
Benzo(a)pyrene	ND		15.7	11.2		ug/L		72	60 - 145	6	15
Benzo(b)fluoranthene	ND		15.7	12.0		ug/L		77	54 - 140	4	15
Benzo(g,h,i)perylene	ND		15.7	12.0		ug/L		77	66 - 152	7	15
Benzo(k)fluoranthene	ND		15.7	11.4		ug/L		73	51 - 153	10	22
Chrysene	ND		15.7	13.0		ug/L		83	69 - 140	3	15
Dibenz(a,h)anthracene	ND		15.7	10.9		ug/L		69	57 - 158	9	15
Fluoranthene	ND		15.7	17.9		ug/L		97	55 - 147	1	15
Fluorene	ND		15.7	17.8		ug/L		96	55 - 143	1	15
Indeno(1,2,3-c,d)pyrene	ND	F1	15.7	11.1		ug/L		71	69 - 146	8	15
Naphthalene	ND		15.7	13.4		ug/L		86	35 - 130	3	29
Phenanthrene	ND		15.7	16.8		ug/L		88	57 - 147	1	15
Pyrene	ND		15.7	17.7		ug/L		93	58 - 136	3	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	80		46 - 120
2-Fluorobiphenyl	81		48 - 120
p-Terphenyl-d14	74		67 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-278154/1-A

Matrix: Water

Analysis Batch: 278412

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 278154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:37	1
Lead	ND		0.0050		mg/L		12/04/15 11:44	12/05/15 09:37	1
Zinc	ND		0.010		mg/L		12/04/15 11:44	12/05/15 09:37	1

Lab Sample ID: LCS 480-278154/2-A

Matrix: Water

Analysis Batch: 278412

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.200	0.197		mg/L		99	85 - 115
Lead	0.200	0.202		mg/L		101	85 - 115
Zinc	0.200	0.205		mg/L		103	85 - 115

Lab Sample ID: 480-92086-1 MS

Matrix: Water

Analysis Batch: 278412

Client Sample ID: LTMW-D01-1215

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	ND		0.200	0.211		mg/L		105	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 480-92086-1 MS

Matrix: Water

Analysis Batch: 278412

Client Sample ID: LTMW-D01-1215

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		0.200	0.209		mg/L		105	70 - 130
Zinc	ND		0.200	0.209		mg/L		103	70 - 130

Lab Sample ID: 480-92086-1 MSD

Matrix: Water

Analysis Batch: 278412

Client Sample ID: LTMW-D01-1215

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	ND		0.200	0.210		mg/L		105	70 - 130	1	20
Lead	ND		0.200	0.209		mg/L		105	70 - 130	0	20
Zinc	ND		0.200	0.208		mg/L		103	70 - 130	0	20

Lab Sample ID: 480-92086-16 MS

Matrix: Water

Analysis Batch: 278412

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.200	0.209		mg/L		104	70 - 130
Lead	ND		0.200	0.209		mg/L		105	70 - 130
Zinc	ND		0.200	0.207		mg/L		103	70 - 130

Lab Sample ID: 480-92086-16 MSD

Matrix: Water

Analysis Batch: 278412

Client Sample ID: LTMW-S10-1215

Prep Type: Total/NA

Prep Batch: 278154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	ND		0.200	0.211		mg/L		106	70 - 130	1	20
Lead	ND		0.200	0.210		mg/L		105	70 - 130	0	20
Zinc	ND		0.200	0.208		mg/L		103	70 - 130	1	20

Lab Sample ID: MB 480-278263/1-A

Matrix: Water

Analysis Batch: 278590

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 278263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		12/07/15 11:47	12/07/15 14:13	1
Lead	ND		0.0050		mg/L		12/07/15 11:47	12/07/15 14:13	1
Zinc	ND		0.010		mg/L		12/07/15 11:47	12/07/15 14:13	1

Lab Sample ID: LCS 480-278263/2-A

Matrix: Water

Analysis Batch: 278590

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.197		mg/L		99	85 - 115
Lead	0.200	0.198		mg/L		99	85 - 115
Zinc	0.200	0.203		mg/L		101	85 - 115

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 480-278938/1-A
Matrix: Water
Analysis Batch: 279136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:45	12/10/15 11:11	1

Lab Sample ID: LCS 480-278938/2-A
Matrix: Water
Analysis Batch: 279136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.388		mg/L		97	90 - 110

Lab Sample ID: LCS 480-278938/3-A
Matrix: Water
Analysis Batch: 279136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.234		mg/L		94	90 - 110

Lab Sample ID: MB 480-278941/1-A
Matrix: Water
Analysis Batch: 279136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/09/15 15:51	12/10/15 11:46	1

Lab Sample ID: LCS 480-278941/2-A
Matrix: Water
Analysis Batch: 279136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.236		mg/L		94	90 - 110

Lab Sample ID: 480-92086-4 MS
Matrix: Water
Analysis Batch: 279136

Client Sample ID: LTMW-S02-1215
Prep Type: Total/NA
Prep Batch: 278941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.12	F1	0.100	0.248	F1	mg/L		124	90 - 110

Lab Sample ID: 480-92086-9 MS
Matrix: Water
Analysis Batch: 279136

Client Sample ID: LTMW-D05-1215
Prep Type: Total/NA
Prep Batch: 278941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND	F1	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: MB 480-279302/1-A
Matrix: Water
Analysis Batch: 279383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/11/15 08:55	12/11/15 13:47	1

TestAmerica Buffalo

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Lab Sample ID: LCS 480-279302/2-A
Matrix: Water
Analysis Batch: 279383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 279302
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.250	0.245		mg/L		98	90 - 110

Lab Sample ID: MB 480-279523/1-A
Matrix: Water
Analysis Batch: 279640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		12/14/15 07:25	12/14/15 12:56	1

Lab Sample ID: LCS 480-279523/13-A
Matrix: Water
Analysis Batch: 279640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 279523
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.400	0.390		mg/L		98	90 - 110

Lab Sample ID: LCSD 480-279523/15-A
Matrix: Water
Analysis Batch: 279640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 279523
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	0.250	0.253		mg/L		101	90 - 110	2	15

Lab Sample ID: 480-92086-16 MS
Matrix: Water
Analysis Batch: 279640

Client Sample ID: LTMW-S10-1215
Prep Type: Total/NA
Prep Batch: 279523
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	ND		0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 480-92086-16 MSD
Matrix: Water
Analysis Batch: 279640

Client Sample ID: LTMW-S10-1215
Prep Type: Total/NA
Prep Batch: 279523
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	ND		0.100	0.106		mg/L		106	90 - 110	3	15

TestAmerica Buffalo

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

GC/MS VOA

Analysis Batch: 278827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-4	LTMW-S02-1215	Total/NA	Water	8260C	
480-92086-13	LTMW-S07-1215	Total/NA	Water	8260C	
480-92086-15	LTMW-S09-1215	Total/NA	Water	8260C	
480-92086-16	LTMW-S10-1215	Total/NA	Water	8260C	
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	8260C	
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	8260C	
480-92086-17	DUPLICATE-1215	Total/NA	Water	8260C	
480-92086-18	TRIP BLANK	Total/NA	Water	8260C	
480-92086-19	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-278827/3	Lab Control Sample	Total/NA	Water	8260C	
MB 480-278827/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 278989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-2	LTMW-S01-1215	Total/NA	Water	8260C	
480-92086-3	LTMW-D02-1215	Total/NA	Water	8260C	
480-92086-5	LTMW-D03-1215	Total/NA	Water	8260C	
480-92086-6	LTMW-S03-1215	Total/NA	Water	8260C	
480-92086-7	LTMW-D04-1215	Total/NA	Water	8260C	
480-92086-8	LTMW-S04-1215	Total/NA	Water	8260C	
480-92086-9	LTMW-D05-1215	Total/NA	Water	8260C	
480-92086-10	LTMW-S05-1215	Total/NA	Water	8260C	
480-92086-11	LTMW-D06-1215	Total/NA	Water	8260C	
480-92086-12	LTMW-S06-1215	Total/NA	Water	8260C	
480-92086-14	LTMW-S08-1215	Total/NA	Water	8260C	
LCS 480-278989/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-278989/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	8260C	
480-92086-1 MS	LTMW-D01-1215	Total/NA	Water	8260C	
480-92086-1 MSD	LTMW-D01-1215	Total/NA	Water	8260C	
LCS 480-279064/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-279064/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 278221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	3510C	
480-92086-2 - DL	LTMW-S01-1215	Total/NA	Water	3510C	
480-92086-2	LTMW-S01-1215	Total/NA	Water	3510C	
480-92086-3	LTMW-D02-1215	Total/NA	Water	3510C	
480-92086-4	LTMW-S02-1215	Total/NA	Water	3510C	
480-92086-5	LTMW-D03-1215	Total/NA	Water	3510C	
480-92086-6	LTMW-S03-1215	Total/NA	Water	3510C	
480-92086-7	LTMW-D04-1215	Total/NA	Water	3510C	
480-92086-8	LTMW-S04-1215	Total/NA	Water	3510C	
480-92086-9	LTMW-D05-1215	Total/NA	Water	3510C	

TestAmerica Buffalo

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

GC/MS Semi VOA (Continued)

Prep Batch: 278221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-10	LTMW-S05-1215	Total/NA	Water	3510C	
480-92086-11	LTMW-D06-1215	Total/NA	Water	3510C	
480-92086-12	LTMW-S06-1215	Total/NA	Water	3510C	
480-92086-13	LTMW-S07-1215	Total/NA	Water	3510C	
480-92086-14	LTMW-S08-1215	Total/NA	Water	3510C	
480-92086-15	LTMW-S09-1215	Total/NA	Water	3510C	
480-92086-16	LTMW-S10-1215	Total/NA	Water	3510C	
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	3510C	
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	3510C	
480-92086-17	DUPLICATE-1215	Total/NA	Water	3510C	
LCS 480-278221/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-278221/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 278619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	8270D	278221
480-92086-2	LTMW-S01-1215	Total/NA	Water	8270D	278221
480-92086-3	LTMW-D02-1215	Total/NA	Water	8270D	278221
480-92086-4	LTMW-S02-1215	Total/NA	Water	8270D	278221
480-92086-5	LTMW-D03-1215	Total/NA	Water	8270D	278221
480-92086-6	LTMW-S03-1215	Total/NA	Water	8270D	278221
480-92086-7	LTMW-D04-1215	Total/NA	Water	8270D	278221
480-92086-8	LTMW-S04-1215	Total/NA	Water	8270D	278221
480-92086-16	LTMW-S10-1215	Total/NA	Water	8270D	278221
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	8270D	278221
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	8270D	278221
LCS 480-278221/2-A	Lab Control Sample	Total/NA	Water	8270D	278221
MB 480-278221/1-A	Method Blank	Total/NA	Water	8270D	278221

Analysis Batch: 278825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-2 - DL	LTMW-S01-1215	Total/NA	Water	8270D	278221
480-92086-9	LTMW-D05-1215	Total/NA	Water	8270D	278221
480-92086-10	LTMW-S05-1215	Total/NA	Water	8270D	278221
480-92086-11	LTMW-D06-1215	Total/NA	Water	8270D	278221
480-92086-12	LTMW-S06-1215	Total/NA	Water	8270D	278221
480-92086-13	LTMW-S07-1215	Total/NA	Water	8270D	278221
480-92086-14	LTMW-S08-1215	Total/NA	Water	8270D	278221
480-92086-15	LTMW-S09-1215	Total/NA	Water	8270D	278221
480-92086-17	DUPLICATE-1215	Total/NA	Water	8270D	278221

Metals

Prep Batch: 278154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	200.7	
480-92086-1 MS	LTMW-D01-1215	Total/NA	Water	200.7	
480-92086-1 MSD	LTMW-D01-1215	Total/NA	Water	200.7	
480-92086-2	LTMW-S01-1215	Total/NA	Water	200.7	
480-92086-3	LTMW-D02-1215	Total/NA	Water	200.7	

TestAmerica Buffalo

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Metals (Continued)

Prep Batch: 278154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-4	LTMW-S02-1215	Total/NA	Water	200.7	
480-92086-5	LTMW-D03-1215	Total/NA	Water	200.7	
480-92086-6	LTMW-S03-1215	Total/NA	Water	200.7	
480-92086-7	LTMW-D04-1215	Total/NA	Water	200.7	
480-92086-8	LTMW-S04-1215	Total/NA	Water	200.7	
480-92086-9	LTMW-D05-1215	Total/NA	Water	200.7	
480-92086-10	LTMW-S05-1215	Total/NA	Water	200.7	
480-92086-11	LTMW-D06-1215	Total/NA	Water	200.7	
480-92086-12	LTMW-S06-1215	Total/NA	Water	200.7	
480-92086-13	LTMW-S07-1215	Total/NA	Water	200.7	
480-92086-14	LTMW-S08-1215	Total/NA	Water	200.7	
480-92086-15	LTMW-S09-1215	Total/NA	Water	200.7	
480-92086-16	LTMW-S10-1215	Total/NA	Water	200.7	
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	200.7	
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	200.7	
LCS 480-278154/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-278154/1-A	Method Blank	Total/NA	Water	200.7	

Prep Batch: 278263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-17	DUPLICATE-1215	Total/NA	Water	200.7	
LCS 480-278263/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-278263/1-A	Method Blank	Total/NA	Water	200.7	

Analysis Batch: 278412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-1 MS	LTMW-D01-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-1 MSD	LTMW-D01-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-2	LTMW-S01-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-3	LTMW-D02-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-4	LTMW-S02-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-5	LTMW-D03-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-6	LTMW-S03-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-7	LTMW-D04-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-8	LTMW-S04-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-9	LTMW-D05-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-10	LTMW-S05-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-11	LTMW-D06-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-12	LTMW-S06-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-13	LTMW-S07-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-14	LTMW-S08-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-15	LTMW-S09-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-16	LTMW-S10-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	200.7 Rev 4.4	278154
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	200.7 Rev 4.4	278154
LCS 480-278154/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	278154
MB 480-278154/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	278154

TestAmerica Buffalo

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Metals (Continued)

Analysis Batch: 278590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-17	DUPLICATE-1215	Total/NA	Water	200.7 Rev 4.4	278263
LCS 480-278263/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	278263
MB 480-278263/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	278263

General Chemistry

Prep Batch: 278938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	Distill/CN	
480-92086-2	LTMW-S01-1215	Total/NA	Water	Distill/CN	
480-92086-3	LTMW-D02-1215	Total/NA	Water	Distill/CN	
LCS 480-278938/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCS 480-278938/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 480-278938/1-A	Method Blank	Total/NA	Water	Distill/CN	

Prep Batch: 278941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-4	LTMW-S02-1215	Total/NA	Water	Distill/CN	
480-92086-4 MS	LTMW-S02-1215	Total/NA	Water	Distill/CN	
480-92086-6	LTMW-S03-1215	Total/NA	Water	Distill/CN	
480-92086-7	LTMW-D04-1215	Total/NA	Water	Distill/CN	
480-92086-8	LTMW-S04-1215	Total/NA	Water	Distill/CN	
480-92086-9	LTMW-D05-1215	Total/NA	Water	Distill/CN	
480-92086-9 MS	LTMW-D05-1215	Total/NA	Water	Distill/CN	
480-92086-10	LTMW-S05-1215	Total/NA	Water	Distill/CN	
480-92086-11	LTMW-D06-1215	Total/NA	Water	Distill/CN	
480-92086-12	LTMW-S06-1215	Total/NA	Water	Distill/CN	
480-92086-13	LTMW-S07-1215	Total/NA	Water	Distill/CN	
480-92086-14	LTMW-S08-1215	Total/NA	Water	Distill/CN	
480-92086-15	LTMW-S09-1215	Total/NA	Water	Distill/CN	
480-92086-17	DUPLICATE-1215	Total/NA	Water	Distill/CN	
LCS 480-278941/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 480-278941/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 279136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-1	LTMW-D01-1215	Total/NA	Water	335.4	278938
480-92086-2	LTMW-S01-1215	Total/NA	Water	335.4	278938
480-92086-3	LTMW-D02-1215	Total/NA	Water	335.4	278938
480-92086-4	LTMW-S02-1215	Total/NA	Water	335.4	278941
480-92086-4 MS	LTMW-S02-1215	Total/NA	Water	335.4	278941
480-92086-6	LTMW-S03-1215	Total/NA	Water	335.4	278941
480-92086-7	LTMW-D04-1215	Total/NA	Water	335.4	278941
480-92086-8	LTMW-S04-1215	Total/NA	Water	335.4	278941
480-92086-9	LTMW-D05-1215	Total/NA	Water	335.4	278941
480-92086-9 MS	LTMW-D05-1215	Total/NA	Water	335.4	278941
480-92086-10	LTMW-S05-1215	Total/NA	Water	335.4	278941
480-92086-11	LTMW-D06-1215	Total/NA	Water	335.4	278941
480-92086-12	LTMW-S06-1215	Total/NA	Water	335.4	278941
480-92086-13	LTMW-S07-1215	Total/NA	Water	335.4	278941

TestAmerica Buffalo

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

General Chemistry (Continued)

Analysis Batch: 279136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-14	LTMW-S08-1215	Total/NA	Water	335.4	278941
480-92086-15	LTMW-S09-1215	Total/NA	Water	335.4	278941
480-92086-17	DUPLICATE-1215	Total/NA	Water	335.4	278941
LCS 480-278938/2-A	Lab Control Sample	Total/NA	Water	335.4	278938
LCS 480-278938/3-A	Lab Control Sample	Total/NA	Water	335.4	278938
LCS 480-278941/2-A	Lab Control Sample	Total/NA	Water	335.4	278941
MB 480-278938/1-A	Method Blank	Total/NA	Water	335.4	278938
MB 480-278941/1-A	Method Blank	Total/NA	Water	335.4	278941

Prep Batch: 279302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-5	LTMW-D03-1215	Total/NA	Water	Distill/CN	
LCS 480-279302/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 480-279302/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 279383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-5	LTMW-D03-1215	Total/NA	Water	335.4	279302
LCS 480-279302/2-A	Lab Control Sample	Total/NA	Water	335.4	279302
MB 480-279302/1-A	Method Blank	Total/NA	Water	335.4	279302

Prep Batch: 279523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-16	LTMW-S10-1215	Total/NA	Water	Distill/CN	
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	Distill/CN	
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	Distill/CN	
LCS 480-279523/13-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCSD 480-279523/15-A	Lab Control Sample Dup	Total/NA	Water	Distill/CN	
MB 480-279523/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 279640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92086-16	LTMW-S10-1215	Total/NA	Water	335.4	279523
480-92086-16 MS	LTMW-S10-1215	Total/NA	Water	335.4	279523
480-92086-16 MSD	LTMW-S10-1215	Total/NA	Water	335.4	279523
LCS 480-279523/13-A	Lab Control Sample	Total/NA	Water	335.4	279523
LCSD 480-279523/15-A	Lab Control Sample Dup	Total/NA	Water	335.4	279523
MB 480-279523/1-A	Method Blank	Total/NA	Water	335.4	279523

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D01-1215

Date Collected: 12/03/15 07:45

Date Received: 12/04/15 01:20

Lab Sample ID: 480-92086-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	279064	12/10/15 12:47	SWO	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 15:03	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 09:43	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278938	12/09/15 15:45	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:38	ZRJ	TAL BUF

Client Sample ID: LTMW-S01-1215

Date Collected: 12/03/15 08:40

Date Received: 12/04/15 01:20

Lab Sample ID: 480-92086-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 02:02	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 15:32	LMW	TAL BUF
Total/NA	Prep	3510C	DL		278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D	DL	10	278825	12/09/15 15:27	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 09:58	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278938	12/09/15 15:45	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:40	ZRJ	TAL BUF

Client Sample ID: LTMW-D02-1215

Date Collected: 12/03/15 09:45

Date Received: 12/04/15 01:20

Lab Sample ID: 480-92086-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 02:25	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 16:01	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:01	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278938	12/09/15 15:45	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:41	ZRJ	TAL BUF

Client Sample ID: LTMW-S02-1215

Date Collected: 12/02/15 10:25

Date Received: 12/04/15 01:20

Lab Sample ID: 480-92086-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 17:42	GVF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S02-1215

Lab Sample ID: 480-92086-4

Date Collected: 12/02/15 10:25

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 16:30	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:14	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:50	ZRJ	TAL BUF

Client Sample ID: LTMW-D03-1215

Lab Sample ID: 480-92086-5

Date Collected: 12/02/15 15:50

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278989	12/10/15 02:49	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 16:59	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:17	AMH	TAL BUF
Total/NA	Prep	Distill/CN			279302	12/11/15 08:55	LAW	TAL BUF
Total/NA	Analysis	335.4		1	279383	12/11/15 14:08	ZRJ	TAL BUF

Client Sample ID: LTMW-S03-1215

Lab Sample ID: 480-92086-6

Date Collected: 12/03/15 14:55

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 03:13	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 17:28	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:20	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:54	ZRJ	TAL BUF

Client Sample ID: LTMW-D04-1215

Lab Sample ID: 480-92086-7

Date Collected: 12/02/15 13:55

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 03:37	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 17:57	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:23	AMH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D04-1215

Lab Sample ID: 480-92086-7

Date Collected: 12/02/15 13:55

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		50	279136	12/10/15 12:29	ZRJ	TAL BUF

Client Sample ID: LTMW-S04-1215

Lab Sample ID: 480-92086-8

Date Collected: 12/02/15 14:05

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 04:01	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 18:26	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:26	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 11:57	ZRJ	TAL BUF

Client Sample ID: LTMW-D05-1215

Lab Sample ID: 480-92086-9

Date Collected: 12/02/15 10:45

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 04:25	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 11:05	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:29	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:01	ZRJ	TAL BUF

Client Sample ID: LTMW-S05-1215

Lab Sample ID: 480-92086-10

Date Collected: 12/02/15 11:55

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 04:49	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 11:34	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:33	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:04	ZRJ	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-D06-1215

Lab Sample ID: 480-92086-11

Date Collected: 12/02/15 08:50

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 05:12	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 12:03	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:36	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:06	ZRJ	TAL BUF

Client Sample ID: LTMW-S06-1215

Lab Sample ID: 480-92086-12

Date Collected: 12/02/15 08:49

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 05:35	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 12:32	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:39	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:07	ZRJ	TAL BUF

Client Sample ID: LTMW-S07-1215

Lab Sample ID: 480-92086-13

Date Collected: 12/01/15 13:05

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 18:05	GVF	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 13:02	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:52	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:09	ZRJ	TAL BUF

Client Sample ID: LTMW-S08-1215

Lab Sample ID: 480-92086-14

Date Collected: 12/02/15 08:00

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278989	12/10/15 05:59	CDC	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 13:31	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: LTMW-S08-1215

Lab Sample ID: 480-92086-14

Date Collected: 12/02/15 08:00

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:55	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:10	ZRJ	TAL BUF

Client Sample ID: LTMW-S09-1215

Lab Sample ID: 480-92086-15

Date Collected: 12/01/15 10:55

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 18:29	GVF	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 14:00	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 10:58	AMH	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:11	ZRJ	TAL BUF

Client Sample ID: LTMW-S10-1215

Lab Sample ID: 480-92086-16

Date Collected: 12/01/15 11:50

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 18:52	GVF	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278619	12/08/15 19:24	LMW	TAL BUF
Total/NA	Prep	200.7			278154	12/04/15 11:44	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278412	12/05/15 11:01	AMH	TAL BUF
Total/NA	Prep	Distill/CN			279523	12/14/15 07:25	LAW	TAL BUF
Total/NA	Analysis	335.4		1	279640	12/14/15 12:58	JJK	TAL BUF

Client Sample ID: DUPLICATE-1215

Lab Sample ID: 480-92086-17

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 19:16	GVF	TAL BUF
Total/NA	Prep	3510C			278221	12/04/15 14:22	AVW	TAL BUF
Total/NA	Analysis	8270D		1	278825	12/09/15 14:29	LMW	TAL BUF
Total/NA	Prep	200.7			278263	12/07/15 11:47	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	278590	12/07/15 14:45	SLB	TAL BUF
Total/NA	Prep	Distill/CN			278941	12/09/15 15:51	SER	TAL BUF
Total/NA	Analysis	335.4		1	279136	12/10/15 12:13	ZRJ	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-18

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 19:39	GVF	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92086-19

Date Collected: 12/01/15 00:00

Matrix: Water

Date Received: 12/04/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278827	12/09/15 20:03	GVF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

1

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Method Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
335.4	Cyanide, Total	MCAWW	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: CDM Smith, Inc.
Project/Site: Rome Kinsley Quarterly GW

TestAmerica Job ID: 480-92086-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92086-1	LTMW-D01-1215	Water	12/03/15 07:45	12/04/15 01:20
480-92086-2	LTMW-S01-1215	Water	12/03/15 08:40	12/04/15 01:20
480-92086-3	LTMW-D02-1215	Water	12/03/15 09:45	12/04/15 01:20
480-92086-4	LTMW-S02-1215	Water	12/02/15 10:25	12/04/15 01:20
480-92086-5	LTMW-D03-1215	Water	12/02/15 15:50	12/04/15 01:20
480-92086-6	LTMW-S03-1215	Water	12/03/15 14:55	12/04/15 01:20
480-92086-7	LTMW-D04-1215	Water	12/02/15 13:55	12/04/15 01:20
480-92086-8	LTMW-S04-1215	Water	12/02/15 14:05	12/04/15 01:20
480-92086-9	LTMW-D05-1215	Water	12/02/15 10:45	12/04/15 01:20
480-92086-10	LTMW-S05-1215	Water	12/02/15 11:55	12/04/15 01:20
480-92086-11	LTMW-D06-1215	Water	12/02/15 08:50	12/04/15 01:20
480-92086-12	LTMW-S06-1215	Water	12/02/15 08:49	12/04/15 01:20
480-92086-13	LTMW-S07-1215	Water	12/01/15 13:05	12/04/15 01:20
480-92086-14	LTMW-S08-1215	Water	12/02/15 08:00	12/04/15 01:20
480-92086-15	LTMW-S09-1215	Water	12/01/15 10:55	12/04/15 01:20
480-92086-16	LTMW-S10-1215	Water	12/01/15 11:50	12/04/15 01:20
480-92086-17	DUPLICATE-1215	Water	12/01/15 00:00	12/04/15 01:20
480-92086-18	TRIP BLANK	Water	12/01/15 00:00	12/04/15 01:20
480-92086-19	TRIP BLANK	Water	12/01/15 00:00	12/04/15 01:20

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: <u>Eric Rosenbaum</u>		Lab PM: <u>Mason, Becky C</u>	
Client Contact: <u>Timothy Beaumont</u>		Phone: <u>203-727-6588</u>		E-Mail: <u>becky.mason@testamericainc.com</u>	
Company: <u>CDM Smith, Inc.</u>		Due Date Requested:		Analysis Required	
Address: <u>6800 Old Collamer Road Suite 3</u>		TAT Requested (days): <u>5</u>		Field Filtered Sample (Yes or No)	
City: <u>East Syracuse</u>		PO #: <u>36380.110154</u>		Performing MSD (Yes or No)	
State, Zip: <u>NY, 13057</u>		WO #: <u>48011225</u>		8270D - PAH Semi-volatiles	
Phone: <u>203-727-6588</u>		Project #: <u>48011225</u>		200.7 - Priority Pollutant Metals ICP	
Email: <u>beaumonttj@cdmsmith.com</u>		SSOW#: <u>48011225</u>		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Sample Date		356.4 - Cyanide, Total	
City: <u>East Syracuse</u>		Sample Time		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Preservation Code		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Sample Date		8260C - BTX - 8260	
Site: <u>48011225</u>		Sample Time		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Preservation Code		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Sample Date		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Sample Time		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Site: <u>48011225</u>		Preservation Code		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Sample Date		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Sample Time		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Preservation Code		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Sample Date		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Sample Time		8260C - BTX - 8260	
Site: <u>48011225</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Preservation Code		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Sample Date		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Sample Time		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Preservation Code		8260C - BTX - 8260	
Site: <u>48011225</u>		Sample Date		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Sample Time		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Preservation Code		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Sample Date		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Sample Time		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Site: <u>48011225</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Preservation Code		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Sample Date		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Sample Time		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Preservation Code		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Sample Date		8260C - BTX - 8260	
Site: <u>48011225</u>		Sample Time		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Address: <u>6800 Old Collamer Road Suite 3</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
City: <u>East Syracuse</u>		Preservation Code		8260C - BTX - 8260	
State, Zip: <u>NY, 13057</u>		Sample Date		8260C - BTX - 8260	
Phone: <u>203-727-6588</u>		Sample Time		8260C - BTX - 8260	
Email: <u>beaumonttj@cdmsmith.com</u>		Sample Type (C=Comp, G=Grab)		8260C - BTX - 8260	
Project Name: <u>Rome Kinsley Quarterly GW</u>		Matrix (W=Water, S=Solid, O=Other)		8260C - BTX - 8260	
Site: <u>48011225</u>		Preservation Code		8260C - BTX - 8260	
SSOW#: <u>48011225</u>		Sample Date		8260C - BTX - 8260	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 480-92086-1

Login Number: 92086

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDMS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	