PERIODIC REVIEW REPORT

2014 REPORTING PERIOD

SPECTRUM FINISHING SITE
SITE NO 152029

West Babylon, Suffolk County, New York

Prepared For:

New York State
Department of Environmental Conservation

Division of Environmental Remediation
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1.0 INTRODUCTION

The document represents the periodic review report for 2014 for the Spectrum Finishing Corporation Site (referred to as the Site), located in West Babylon, Suffolk County, New York. This Site is listed under the New York State Inactive Hazardous Waste Disposal Site and is associated with Site Registry Number 152029. This report summarizes the recent activities conducted by Environmental Assessment & Remediations (E.A.R.) in response to directives provided in New York State Department of Environmental Conservation (NYSDEC) Standby Contractor Authorization Form dated October 2014 (Callout ID:122036). This work was completed under E.A.R's Standby Remedial Services Contract with NYSDEC.

Recent site activities consisted of the following:

- Site inspections – visual observations and photo-documentation of current conditions and use.
- Well maintenance – assessment and repairs of monitoring well network; manholes, casings and well integrity.
- Groundwater sampling event – analytical evaluation and monitoring of the effectiveness of site remedy.
- Well survey activities – adjusted elevation measurements due to well modifications.

1.1. Site Description

The Site is a former metal finishing facility, which was used for metal finishing operations from approximately 1968 to 1993. The Site is located in the Pinelawn Industrial Area on 50 Dale Street, within the shared parking lots of 60 Dale Street and 51 and 61 Cabot Street, in West Babylon, New York. The Site currently consists of a fenced vacant lot surrounded by a paved parking lot and three occupied one-story buildings. The Site is approximately 2.3 acres in size. A site location map is provided as Figure 1.

The Pinelawn Industrial Area is a high-density industrial area bounded by cemeteries and open land to the north, south and west sides and a residential area to the east. Several other Inactive Hazardous Waste Disposal Sites, including Babylon Landfill, U.S. Electroplating Corporation, Pride Solvents and Chemical Co., and Fairchild Republic Main Plant are also located in the Pinelawn Industrial Area. The Site and surrounding area are provided with public water. However, storm water and sewage are discharged into dry wells and sanitary septic systems, respectively.

1.2. Site History

- The Site has undergone remediation as stated in the March 2003 Record Of Decision, consisting of: removal of several underground storage tanks, installation of sentinel monitoring wells, asbestos abatement and building demolition at 50 Dale Street, excavation of the soils at identified locations in the alleyways and from the building sumps, drainage and septic structure abandonment and installation, as well as installation of a final cover system/site restoration.
- The Site Management Plan (SMP) for the site, initially prepared by Camp Dresser & McKee (CDM) and in accordance with the requirements listed in section 6.3(b) of NYSDEC Division of Environmental Remediation, Technical Guide for Site Investigation and Remediation, May 2010 (DER-10), and was subsequently updated by the NYSDEC in July 2014.
- The July 2014 updated SMP includes two subsections to address management methods:
    1. A Control Plan for implementation and management of engineered/physical and institutional controls (IC)
    2. A Monitoring Plan for assessing groundwater conditions and site-wide inspections.

2.0 MONITORING PLAN COMPLIANCE

The monitoring plan is designed to assess the performance and effectiveness of the remedy in meeting objectives for the Site. As outlined in the SMP, the monitoring program involves periodic inspections of the Site as well as the collection and analysis of groundwater samples. The periodic inspections are to determine if all IC's are in compliance.

As outlined in the SMP, IC for the Site consist of the following:

- A deed restriction; site use is limited to be commercial or industrial uses, provided the long-term controls in the SMP remain in use.
- Any future excavation/intrusive subsurface work that will potentially encounter or disturb the remaining contaminated material must be performed in compliance with the Excavation Work Plan, as per the SMP.
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for the intended use. Approval by New York State Department of Health must be obtained prior to such intended use.

- Groundwater monitoring activities will be conducted until permission to discontinue is granted in writing by the NYSDEC.
- The potential for soil vapor intrusion (SVI) has been identified and SVI must be evaluated for any new buildings developed on the Site.

Engineering Controls (EC) for the Site include the final cover system/site restoration installed during the remedial activities. The cover system is generally comprised of a clean soil fill varying in depths from 4-18 feet, asphalt pavement, and the remaining concrete building floor slabs and sidewalks. The drawing from the SMP detailing the areas subject to excavation restrictions is included in Appendix A as Figure A.1 for reference.

2.1. Site Inspection

A site inspection was conducted on October 29, 2014 to evaluate current site conditions, usage and operations. Observations made indicate that minimal activity has occurred at the Site since the 2013 inspection. The only change noted was the installation of a fence at the southeast property line and along the alleyway in the northwest area of the Site. There are currently immobilized vehicles occupying the alleyway near the northwest property line. There is no indication of any recent excavation on the property in areas of restricted excavation. Current conditions of the restricted sump excavation area can be seen as photographs in Figure A.2 in Appendix A.

2.2. Monitoring Well Network

During the site inspection, observations of the existing monitoring well network were noted, and current well conditions were photographed. Monitoring well locations are illustrated in Figure 2. Manholes and wellhead conditions of all site wells were inspected for accessibility (security) and well integrity. The site monitoring network consists of 17 manholes with a total of 21 discrete sampling locations. Deficiencies were observed and ranged from minor issues: missing bolts, deteriorated locking well caps (LWC) and insufficient well casing height, such that wells could be secured properly. No issues were observed at two of the wells (MW-16S & MW-16D1) and MW-07S was inaccessible, as a vehicle was parked over the well. Well maintenance activities are detailed in the section 2.2.1.

2.2.1. Monitoring Network Maintenance Activities

As noted in section 2.2, deficiencies regarding manhole/well integrity were noted at several locations. Replacement of new LWC's and manhole bolts were conducted in conjunction

with other site activities. As requested by the NYSDEC, well casing repairs were conducted on December 17, 2014 after the groundwater sampling had been completed. Well maintenance is summarized as follows:

Well ID	Modifications/Repairs
MW-01S	Installed LWC(s); riser(s) modified; well surveyed
MW-01D1	
MW-02S	Installed LWC(s); riser(s) modified; well surveyed
MW-02D	
MW-03S	Installed LWC(s)
MW-03D	
MW-04S	Installed LWC(s); riser(s) modified; well surveyed
MW-04D	
MW-05D1	Installed LWC; replaced bolt(s)
MW-05D2	Installed LWC; riser was modified; well surveyed
MW-06S	Installed LWC; replaced bolt(s)
MW-06D1	Installed LWC; replaced bolt(s)
MW-07D1	replaced bolt(s)
MW-09S	Installed LWC; replaced bolt(s)
MW-11S	Installed LWC; replaced bolt(s)
MW-12S	Installed LWC(s)
MW-12D1	
MW-14S	Installed LWC(s)
MW-14D1	

2.2.2. Well Survey

As well maintenance activities required casing adjustments to seven discrete sampling locations, survey activities were conducted at these locations to obtain new relative casing elevations. Survey activities were conducted on January 14th and 19th, 2015 by an EAR survey team using standard surveying techniques to the nearest 0.010-foot for relative manhole casing locations and elevations. Utilizing existing elevation data provided by NYSDEC, adjustment elevation values were calculated and are presented in Table 1.

2.2.3. Performance and Effectiveness Monitoring

Performance monitoring, as defined in NYSDEC DER-10, describes a regular assessment of physical and chemical parameters of the remedy, to determine if the remedy is performing as designed. Performance monitoring is typically related with active treatment systems associated with the remedy as part of remedial design. There is no active treatment system(s) present at the Site.

Effectiveness monitoring, defined in NYSDEC DER-10, as the periodic chemical and physical analyses of media of concern to determine and/or confirm that the remedial action objectives are being achieved when compared to data obtained from the investigation, implementation and previous monitoring of the remedy. Effectiveness monitoring activities performed at the Site included sampling and analysis of groundwater.

2.2.3.1. Water Level Monitoring

Groundwater elevations were calculated based upon water level readings collected on November 24th and 25th, 2014 during groundwater sampling activities. Prior to sample collection, depth to water and total well depth were gauged and measurements were recorded. Monitoring well gauging results are summarized and provided in Table 2. A groundwater elevation contour map and apparent flow direction are represented in Figure 3.

2.2.3.2. Groundwater Sampling

On November 24th and 25th, 2014, EAR collected discrete samples from nineteen (19) monitoring wells (excluding MW-03S and MW-07S). MW-03S was dry and as such no samples were collected. MW-07S was under an immobilized vehicle, and was inaccessible. Groundwater samples were collected utilizing a peristaltic pump with a dedicated length of high density polyethylene tubing (HDPE). Each monitoring well was purged of at least one standing well volume prior to screening for pH, temperature and conductivity. A multi-parameter probe, a YSI 556 or similar, with flow through cell was utilized to determine stabilization. Dissolved oxygen concentrations, and Oxidation Reduction Potential (ORP) were also recorded. A summary of field screening results is provided in Table 2. Groundwater sampling sheets and field notes are included in Appendix B.

Samples collected for laboratory analysis were placed into the appropriate sample containers provided by the lab and immediately placed in cooler, with ice, to maintain a hold temperature of 4 degrees Celsius. A total of nineteen (19) water samples were submitted to a NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of Target Compound List (TCL) Volatile Organic Compounds (VOCs) via EPA Method 8260C and Target Analyte List (TAL) 6010C(Metals)/7470A(Mercury). All samples were submitted for standard 30-day turnaround time with Category A deliverables requested. As part of quality assurance/quality control (QA/QC), a trip blank and field blank sample were submitted for VOC and metals analysis. A summary of QA/QC tables is provided in Appendix C.

Sample analysis and field activities data were compiled into EQuIS EDD file package and submitted to NYENVDATA. The files have been successfully uploaded and are ready for use. The analytical lab reports are included as Appendix D.

2.2.3.3. Groundwater Analysis and Trend Monitoring

Groundwater samples were collected from on- and off-site wells during the November 2014 sampling event and analyzed for VOCs and metals. The primary concern is for the contaminants of the VOC tetrachloroethene (PCE), and the metals cadmium, chromium, copper, and nickel. Analytical results for VOCs are summarized in Table 3, and metals are summarized in Table 4. The results are compared against the TOGS 1.1.1 Class GA water quality standards and guidance values, and those exceeding limits are highlighted.

Based upon the review of the current reporting period groundwater sampling results, none of the nineteen (19) samples collected exceeded the Class GA groundwater standards for VOCs. Aerial site maps with posted values for PCE is provided as Figure 4.

Analytical results for metals indicated the presence of analytes with concentrations exceeding Class GA groundwater standards in eight (8) of the samples collected. The metals analytes in exceedance are cadmium, chromium, iron, nickel, and sodium. The concentrations of cadmium exceeding the standard, 5 ug/L, was present in five (5) of the discrete points sampled with the highest concentrations detected in shallow wells, MW-06S and MW-12S (163 ug/L and 123 ug/L, respectively). Chromium was reported in six (6) wells, at concentrations ranging from 8.1 J ug/L up to 92.1 ug/L. Chromium was reported in one (1) well (MW-12D1) above the standard. Copper was detected in eight (8) of the samples; but all concentrations reported were estimated values less than the reporting limit. Nickel was detected in four (4) samples, three (3) with estimated value reported. Nickel was reported in MW-12S at a concentration of 186 ug/L, which is in exceedance of the standard. Concentrations in exceedance of groundwater standards for iron and sodium were also reported in four (4) wells. Aerial site maps with posted values for cadmium, chromium, and nickel are provided as Figure 5 through 7.

Analytical results for this sampling round were compared against the September 2013 groundwater sampling round. Historical results are provided for VOCs comparison as Table 5, and for metals comparison as Table 6. Of the samples analyzed for VOCs, concentrations were either reported as estimated values, or values reported as below guidance/standard values. Concentrations of PCE have remained consistent among sample rounds. MW-02S showed a minor increase in the PCE concentration reported; estimated at 0.15 J ug/L in 2013 and reported at 2.1 ug/L in 2014, but still below the TOGS standard value of 5 ug/L. Overall, fewer detections

of metals were reported in 2014, compared to 2013; but individual trend results were variable. Historical results for metals contaminants of concern were plotted as trend graphs and are provided in Figure 8. Decreasing chromium concentrations were reported in five (5) sampling points (MW-02D, MW-04S, MW-09S, MW-12D1 and MW-14S). All other chromium concentrations remained relatively consistent; a majority of which were reported at non-detectable concentration. For cadmium, an increased concentration was reported in MW-12S (163 ug/L up from 118 ug/L reported in 2013). Cadmium concentrations in MW-06S have remained consistent (120 ug/L (2013) and 123 ug/L (2014)). Significant decreases in cadmium concentrations were observed in four (4) wells (MW-01S, MW-02D, MW-04S and MW-14S). Elevated concentrations of lead reported in 2013 in MW-02D (508 ug/L) and MW-04S (88.6 ug/L) were reported at <10 ug/L in both wells in 2014. Overall, Nickel concentrations have decreased from 2013 to 2014; with only one (1) well (MW-12S) consistently reporting concentrations above the TOGS groundwater standard.

3.0 DISCUSSION

3.1. Site Inspections

- Monitoring well network is in fair condition. Points of concern were addressed to ensure continued well integrity, including, replacing locking well caps, casing modification and bolt replacement.
- Based on observations, no apparent excavation activities were performed at the Site during the current reporting period.
- Based on observations, there was no indication that use of groundwater has occurred at the Site during the reporting period.
- Observed site usage is consistent with restrictions placed on the Site.

3.2. Groundwater

- Horizontal flow direction at the Site is predominately to the southeast;
- VOC concentrations observed during the November 2014 event remained consistent with data reported in 2013 sampling round, with detections reported as below TOGS groundwater guidance/standard values;
- Overall, metals concentrations are decreasing; with fewer detections noted in 2014 compared to 2013. Levels remain above Class GA standards in select monitoring wells immediately down gradient of 50 Dale Street.

In conclusion, based upon the results of the periodic site inspection and continued monitoring plan, the remedy is consistent with the objectives for the Site. Based on an evaluation of the remedy performance, effectiveness, and protectiveness for the Site, EAR recommends to continue implementation of monitoring plan in accordance with the SMP for the Site.

4.0 CERTIFICATION

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. 152029

Site Name Spectrum Finishing Corp.

Site Address: 50 Dale Street Zip Code: 11704
City/Town: West Babylon
County: Suffolk
Site Acreage: 0.9

Reporting Period: December 31, 2011 to December 31, 2014

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. To your knowledge is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor Date

SITE NO. 152029 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
0100-074.00-02.00-007.000	Estate of Joseph Vazzana, Sr.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Filed with Suffolk County Clerks Office on 03/01/2011 under Liber D00012652 and page 617:

Unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils. SMP shows the areas of the Property in which excavation is restricted.

The owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the Remedy,which are described in the SMP, unless in each instance they first obtain a written waiver of such prohibition from the Department or Relevant Agency.

The owner of the Property shall prohibit the Property from ever being used for purposes other than for Restricted Commercial or Industrial uses as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv) use without the express written waiver of such prohibition by the Relevant Agency.

The owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

The owner of the Property shall provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired.

The owner of the Property shall continue in full force and effect any institutional and engineering controls required for the Remedy and maintain such controls, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP dated August 2010, which is incorporated and made enforceable hereto subject to modifications as approved by the Department or Relevant Agency.

The DCR is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Consent Decree requires to be recorded, and hereby covenant not to contest the authority of the Relevant Agency to seek enforcement.

Any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

0100-074.00-02.00-011.000 Estate of Joseph Vazzana, Sr.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Filed with Suffolk County Clerks Office on 03/01/2011 under Liber D00012652 and page 617:

Unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils. SMP shows the areas of the Property in which excavation is restricted.

The owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the Remedy,which are described in the SMP, unless in each instance they first obtain a written waiver of such prohibition from the Department or Relevant Agency.

The owner of the Property shall prohibit the Property from ever being used for purposes other than for Restricted Commercial or Industrial uses as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv) use without the express written waiver of such prohibition by the Relevant Agency.

The owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

The owner of the Property shall provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired.

The owner of the Property shall continue in full force and effect any institutional and engineering controls required for the Remedy and maintain such controls, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP dated August 2010, which is incorporated and made enforceable hereto subject to modifications as approved by the Department or Relevant Agency.

The DCR is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Consent Decree requires to be recorded, and hereby covenant not to contest the authority of the Relevant Agency to seek enforcement.

Any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

   b) 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 generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____

Signature of Standby Consultant/Contractor Date

IC/EC CERTIFICATIONS

Box 6

Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jaime L Allen at Environmental Assessment & Remediations
print name

225 Atlantic Avenue

Patchogue NY, 11772,
(print business address)

am certifying as a .

Jaime L Allen
Signature of

Stamp
(Required for PE)

3/31/15
Date

5.0 REFERENCES

CDM. *Site Management Plan - Spectrum Finishing Site*. New York State. Albany: NYSDEC, 2014. Document.

John, Zambrano and Stoner Scott. "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations." Guidance. 1998. Document.

NYS Department of Environmental Conservation. *DER-10/Technical Guidance for SIte Investigation and Remediation*. Program Policy. Albany: NYSDEC, 2010. Document.

TABLES

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Manhole Survey Data 2014

Target	Manhole(ft)	Existing Casing(ft)	Adjusted* Casing(ft)
MW-01S	63.50	63.13	63.00
MW-01D1	63.50	63.05	63.00
MW-02S	63.60	63.11	63.27
MW-02D	63.60	63.10	63.28
MW-03D	63.40	62.87	-
MW-04S	62.30	61.99	61.89
MW-04D	62.30	62.02	61.91
MW-05D1	62.60	62.41	-
MW-05D2	62.44	62.44	62.23
MW-06S	61.80	61.35	-
MW-06D1	61.70	61.33	-
MW-07S	63.33	62.92	-
MW-07D1	63.30	63.10	-
MW-09S	64.80	63.78	-
MW-11S	63.20	62.58	-
MW-12S	62.40	62.00	-
MW-12D1	62.40	61.89	-
MW-14S	61.80	61.48	-
MW-14D1	61.80	61.64	-
MW-16S	50.60	50.39	-
MW-16D1	50.60	50.24	-

*modifications performed on 12/17/2014

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Monitoring Well Gauging and Groundwater Field Screening Results*

Well ID	Date	Historical TWD (ft)	Recorded TWD (ft)	Recorded DTW (ft)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	ORP (mV)	Conductivity (uS/m)
MW-01S	11/24/14	25.0	24.95	21.11	5.27	16.22	9.63	-39.3	218
MW-01D1	11/24/14	49.6	50.03	21.04	6.79	15.05	8.38	-0.4	132
MW-02S	11/25/14	24.1	24.11	21.10	2.02	15.49	1.70	-52.8	138
MW-02D	11/25/14	48.6	48.89	21.11	5.22	14.68	0.32	20.0	150
MW-03S	11/25/14	23.6	19.31	Dry	-	-	-	-	-
MW-03D	11/25/14	48.8	49.10	21.08	1.99	15.03	1.93	-14.4	190
MW-04S	11/25/14	23.7	23.30	20.40	8.10	14.41	2.60	22.0	105
MW-04D	11/25/14	48.8	48.33	20.21	7.72	14.49	1.54	27.3	157
MW-05D1	11/24/14	50.0	50.50	20.61	5.77	14.73	10.0	-16.7	153
MW-06S	11/24/14	27.0	26.80	19.83	5.54	16.20	9.30	-38.2	150
MW-06D1	11/24/14	50.0	49.80	19.85	7.35	14.66	9.56	-1.9	152
MW-07S[1]	11/25/14	28.0	-	-	-	-	-	-	-
MW-07D1	11/25/14	50.0	49.85	21.13	3.43	14.61	6.19	-20.8	156
MW-09S	11/24/14	27.0	23.80	21.52	5.60	15.44	10.0	-9.1	158
MW-11S	11/24/14	25.7	25.92	20.82	5.29	16.36	8.90	-26.1	132
MW-12S	11/24/14	27.0	27.25	20.78	3.93	16.40	10.1	-20.0	170
MW-12D1	11/24/14	49.5	50.18	20.68	5.96	15.00	9.30	17.5	146
MW-14S	11/24/14	23.8	24.11	20.25	4.30	16.29	9.92	-47.1	164
MW-14D1	11/24/14	49.5	50.10	20.40	5.68	14.77	10.1	-27.6	149
MW-16S	11/25/14	-	50.85	14.79	4.77	14.24	5.94	-12.6	176
MW-16D1	11/25/14	-	90.76	14.65	7.86	14.00	3.50	30.3	169

*-screening performed with a multi-parameter probe utilizing a flow-through cell

[1]-well covered/inaccessible

TWD - total well depth

DTW - depth to water

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
EPA Method SW8260C(VOCs)

Location	Date	1,1 Dichloroethene	1,1,1 Trichloroethane	Chloroform	cis-1,2-Dichloroethene	Methylene Chloride	Tetrachloroethene	Trichloroethylene	Total VOCs
MW-01D1	11/24/14	<1	<1	<1	<1	<1	0.24 J	<1	0.24
MW-01S	11/24/14	<1	<1	<1	<1	<1	0.14 J	<1	0.14
MW-02D	11/25/14	<1	<1	<1	<1	<1	0.15 J	0.31 J	0.46
MW-02S	11/25/14	<1	<1	<1	0.34 J	<1	2.1	<1	2.44
MW-03D	11/25/14	<1	<1	<1	<1	<1	0.62 J	0.18 J	0.8
MW-04D	11/25/14	<1	<1	<1	<1	<1	<1	0.25 J	0.25
MW-04S	11/25/14	<1	<1	<1	<1	<1	0.74 J	0.14 J	0.88
MW-05D1	11/24/14	<1	<1	<1	<1	<1	0.42 J	0.26 J	0.68
MW-06D1	11/24/14	<1	<1	<1	<1	<1	<1	0.4 J	0.4
MW-06S	11/24/14	<1	0.10 J	<1	0.2 J	<1	2	<1	2.3
MW-07D1	11/25/14	<1	<1	<1	<1	<1	<1	<1	<22
MW-09S	11/24/14	<1	<1	<1	<1	<1	0.66 J	<1	0.66
MW-11S	11/24/14	<1	<1	<1	3	<1	0.81 J	<1	3.81
MW-12D1	11/24/14	<1	<1	<1	<1	<1	<1	0.14 J	0.14
MW-12S	11/24/14	<1	<1	<1	<1	<1	0.77 J	<1	0.77
MW-14D1	11/24/14	<1	<1	<1	<1	<1	<1	<1	<22
MW-14S	11/24/14	<1	0.16 J	0.16 J	0.53 J	<1	<1	<1	0.85
MW-16D1	11/25/14	0.14 J	0.68 J	0.14 J	<1	<1	<1	1.4	2.36
MW-16S	11/25/14	<1	<1	<1	<1	<1	<1	0.24 J	0.24

NYSDEC_TOGS111[a]_ClassGA_Standard		**5**	**5**	**7**	**5**	**5**	**5**	**5**	n/a
NYSDEC_TOGS111[a]_ClassGA_Guidance		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Note:

[a]NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998
J - estimated value
n/a - analyzed chemicals with no established values in TOGS 1.1.1
Total VOCs - the sum of concentrations above the lower reporting limit

The chemicals listed below were reported below the lower reporting limit(LRL):

1,1 Dichloroethane	Chlorobenzene
1,1,2 Trichloroethane	Chloroethane
1,1,2,2 Tetrachloroethane	Chloromethane
1,2 Dichloroethane	Dibromochloromethane
1,2 Dichloropropane	t 1,3 Dichloropropene
Bromodichloromethane	trans-1,2-Dichloroethene
c 1,3 Dichloropropene	Vinyl Chloride

Table 4

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
EPA Methods SW6010C(Metals), SW7470A(Mercury)

Location	Date	Aluminum	Barium	Cadmium	Calcium	Chromium (total)	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Sodium	Vanadium	Zinc
MW-01D1	11/24/14	394	45.4 J	<4	12,400	<10	14.5 J	**304**	<10	2650 J	28	<40	2760 J	14,500	<50	16.8 J
MW-01S	11/24/14	1060	20.1 J	<4	28,200	<10	11.4 J	215	<10	4280 J	13.3 J	<40	2650 J	**20,900**	<50	21.2 J
MW-02D	11/25/14	102 J	57.1 J	<4	13,900	<10	<25	**386**	<10	3050 J	36.2	<40	3350 J	18,000	<50	<30
MW-02S	11/25/14	<200	27.4 J	<4	18,100	<10	11.8 J	60.3 J	5.2 J	3620 J	7.5 J	<40	2090 J	10,700	<50	<30
MW-03D	11/25/14	<200	125 J	<4	17,700	<10	<25	<150	<10	3990 J	73.7	<40	3660 J	17,400	<50	11.9 J
MW-04D	11/25/14	<200	61.1 J	1.2 J	13,900	17.5	8.3 J	<150	<10	3450 J	9.5 J	<40	2960 J	16,100	<50	11.2 J
MW-04S	11/25/14	<200	19.5 J	**35.5**	15,500	16.8	19.8 J	<150	<10	2500 J	<15	16.4 J	1890 J	4120 J	<50	26.1 J
MW-05D1	11/24/14	125 J	58.6 J	2.2 J	13,600	8.1 J	<25	181	<10	2810 J	70.3	<40	3660 J	17,600	<50	6.5 J
MW-06D1	11/24/14	119 J	53.3 J	<4	13,300	<10	<25	265	<10	2960 J	13.2 J	<40	3440 J	18,100	<50	8 J
MW-06S	11/24/14	<200	39.3 J	**123**	16,300	46.8	8.4 J	110 J	<10	2900 J	4.9 J	24.7 J	3790 J	15,300	<50	24.4 J
MW-07D1	11/25/14	<200	45.6 J	<4	18,200	<10	<25	68.2 J	<10	3560 J	<15	<40	2790 J	13,300	<50	17.3 J
MW-09S	11/24/14	<200	15.1 J	<4	18,500	<10	<25	<150	<10	3150 J	42.5	<40	3020 J	13,600	<50	8.3 J
MW-11S	11/24/14	<200	25.5 J	<4	17,300	<10	<25	67.8 J	<10	2900 J	14.1 J	<40	2360 J	10,500	<50	<30
MW-12D1	11/24/14	<200	51.1 J	**9**	14,200	**92.1**	20.3 J	72.6 J	<10	2770 J	15.9	9.2 J	3320 J	15,400	<50	13.5 J
MW-12S	11/24/14	1280	46.5 J	**163**	19,100	32.1	19.7 J	**1,980**	<10	2730 J	48.7	**186**	3930 J	18,300	<50	55.5
MW-14D1	11/24/14	<200	58.5 J	<4	14,100	<10	<25	203	<10	2640 J	15.6	<40	3410 J	17,000	<50	<30
MW-14S	11/24/14	<200	33.1 J	**38.5**	20,300	<10	<25	<150	<10	2970 J	<15	<40	3990 J	15,500	<50	<30
MW-16D1	11/25/14	139 J	40.5 J	<4	15,700	<10	<25	233	7.1 J	4380 J	10 J	<40	1530 J	15,700	<50	7.4 J
MW-16S	11/25/14	89.3 J	44.3 J	<4	24,200	<10	<25	139 J	5 J	3640 J	11.3 J	<40	2630 J	11,700	<50	<30
NYSDEC_TOGS111[a]_ClassGA_Standard		n/a	**1,000**	**5**	n/a	**50**	**200**	**300**	**25**	n/a	**300**	**100**	n/a	**20,000**	n/a	n/a
NYSDEC_TOGS111[a]_ClassGA_Guidance		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**35,000**	n/a	n/a	n/a	n/a	n/a	**2,000**

Note:
[a]NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998
- indicates concentration in exceedance of standard/guidance value
J - estimated value
n/a - analyzed chemicals with no established values in TOGS 1.1.1

The chemicals listed below were reported below the LRL:
Antimony
Arsenic
Beryllium
Cobalt
Mercury*
Selenium
Silver
Thallium
Vanadium
*analyzed beyond lab preparation hold-time

Table 5

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

Comparison Summary Table - VOCs

Location	Depth	Date_Collected	1,1 Dichloroethene	1,1,1 Trichloroethane	Acetone	Bromodichloromethane	Chloroform	cis-1,2-Dichloroethene	Dibromochloromethane	Methylene Chloride	Tetrachloroethene	Toluene	Total BTEX	Trichloroethylene
MW-01D1	49.6-59.6	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-01D1	49.6-59.6	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.24 J**	n/a	n/a	<1
MW-01S	25-35	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-01S	25-35	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.14 J**	n/a	n/a	<1
MW-02D	48.6-58.6	9/26/2013	<0.5	0.23 J	<2.5	0.54	6.6	<0.5	0.29 J	<0.5	**1.8**	<0.5	<3	<0.5
MW-02D	48.6-58.6	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.15 J**	n/a	n/a	0.31 J
MW-02S	24.1-34.1	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.2 J**	<0.5	<3	0.33 J
MW-02S	24.1-34.1	11/25/2014	<1	<1	n/a	<1	<1	0.34 J	<1	<1	**2.1**	n/a	n/a	<1
MW-03D	38.8-48.8	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.92**	<0.5	<3	0.31 J
MW-03D	38.8-48.8	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.62 J**	n/a	n/a	0.18 J
MW-04D	38.8-48.8	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	0.37 J
MW-04D	38.8-48.8	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**<1**	n/a	n/a	0.25 J
MW-04S	13.7-23.7	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	<0.5	<3	0.13 J
MW-04S	13.7-23.7	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.74 J**	n/a	n/a	0.14 J
MW-05D1	40-50	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.25 J**	<0.5	<3	0.32 J
MW-05D1	40-50	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.42 J**	n/a	n/a	0.26 J
MW-06D1	40-50	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-06D1	40-50	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	<1	n/a	n/a	0.4 J
MW-06S	17-27	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	<0.5	<3	<0.5
MW-06S	17-27	11/24/2014	<1	0.10 J	n/a	<1	<1	0.2 J	<1	<1	**2**	n/a	n/a	<1
MW-07D1	50-60	9/27/2013	<0.5	<0.5	**12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-07D1	50-60	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	<1	n/a	n/a	<1
MW-07S	48.8-58.8	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-09S	27-37	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.8**	<0.5	<3	<0.5
MW-09S	27-37	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.66 J**	n/a	n/a	<1
MW-11S	25.7-35.7	9/26/2013	<0.5	<0.5	<2.5	<0.5	<0.5	**1.5**	<0.5	<0.5	**1.2**	<0.5	<3	0.12 J
MW-11S	25.7-35.7	11/24/2014	<1	<1	n/a	<1	<1	**3**	<1	<1	**0.81 J**	n/a	n/a	<1
MW-12D1	39.5-49.5	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	<3	<0.5
MW-12D1	39.5-49.5	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	<1	n/a	n/a	0.14 J
MW-12S	17-27	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-12S	17-27	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	**0.77 J**	n/a	n/a	<1
MW-14D1	39.5-49.5	9/27/2013	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
MW-14D1	39.5-49.5	11/24/2014	<1	<1	n/a	<1	<1	<1	<1	<1	<1	n/a	n/a	<1
MW-14S	13.8-23.8	9/27/2013	<0.5	<0.5	<2.5	<0.5	0.34 J	0.26 J	<0.5	<0.5	**0.88**	<0.5	<3	<0.5
MW-14S	13.8-23.8	11/24/2014	<1	0.16 J	n/a	<1	0.16 J	0.53 J	<1	<1	<1	n/a	n/a	<1
MW-16D1	90.2-100.2	9/27/2013	<1	0.33 J	n/a	<1	0.33 J	0.43 J	<0.5	<0.5	**0.25 J**	<0.5	<3	1.2
MW-16D1	90.2-100.2	11/25/2014	0.14 J	0.68 J	n/a	<1	0.14 J	<1	<1	<1	<1	n/a	n/a	1.4
MW-16S	50.41-60.41	9/27/2013	<0.5	<0.5	<2.5	<0.5	0.51	<0.5	<0.5	<0.5	**0.4 J**	0.15 J	0.15	1
MW-16S	50.41-60.41	11/25/2014	<1	<1	n/a	<1	<1	<1	<1	<1	<1	n/a	n/a	0.24 J

NYSDEC_TOGS111[a]_ClassGA_Standard	**5**	**5**	n/a	n/a	**7**	**5**	n/a	**5**	**5**	**5**	n/a	**5**
NYSDEC_TOGS111[a]_ClassGA_Guidance	n/a	n/a	**50**	**50**	n/a	n/a	**50**	n/a	n/a	n/a	n/a	n/a

Note:
[a]NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998
EPA Methods: SW8260C

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

Comparison Summary Table - Metals

Location	Depth	Date Collected	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium (total)	Cobalt	Copper	Cyanide	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Silver	Sodium	Vanadium	Zinc
MW-01D1	49.6-59.6	9/27/2013	**878**	<15	**51.4 J**	<2	<4	**12,400**	<10	<50	**14.8 J**	<0.01	**574**	<10	**2870 J**	**33.6**	<0.2	<40	**2830 J**	<10	**14,300**	<50	25.6 J
MW-01D1	49.6-59.6	11/24/2014	**394**	<15	**45.4 J**	<2	<4	**12,400**	<10	<50	**14.5 J**	n/a	**304**	<10	**2650 J**	**28**	<0.2	<40	**2760 J**	<10	**14,500**	<50	16.8 J
MW-01S	25-35	9/27/2013	**5,500**	<15	**24.6 J**	<2	**13.3**	**14,700**	<10	<50	**67.5**	<0.01	**2,280**	**21.9**	**2720 J**	**55.5**	<0.2	**5.6 J**	**2430 J**	<10	**9,360**	<50	**77.6**
MW-01S	25-35	11/24/2014	**1,060**	<15	**20.1 J**	<2	<4	**28,200**	<10	<50	**11.4 J**	n/a	**215**	<10	**4280 J**	**13.3 J**	<0.2	<40	**2650 J**	<10	**20,900**	<50	21.2 J
MW-02D	48.6-58.6	9/26/2013	**21,200**	**18.4**	**209**	**0.99 J**	**80**	**30,000**	**108**	**13.8 J**	**506**	<0.01	**51,100**	**508**	**7,630**	**1,340**	**0.18 J**	**112**	**3580 J**	**10.1**	**5,570**	**37.9 J**	**982**
MW-02D	48.6-58.6	11/25/2014	**102 J**	<15	**57.1 J**	<2	<4	**13,900**	<10	<50	<25	n/a	**386**	<10	**3050 J**	**36.2**	<0.2	<40	**3350 J**	<10	**18,000**	<50	<30
MW-02S	24.1-34.1	9/26/2013	**1,390**	<15	**64.5 J**	<2	<4	**13,300**	<10	<50	**7.8 J**	<0.01	**4,730**	**5.1 J**	**3200 J**	**258**	<0.2	<40	**3230 J**	<10	**15,900**	**5 J**	9.6 J
MW-02S	24.1-34.1	11/25/2014	<200	<15	**27.4 J**	<2	<4	**18,100**	<10	<50	**11.8 J**	n/a	**60.3 J**	**5.2 J**	**3620 J**	**7.5 J**	<0.2	<40	**2090 J**	<10	**10,700**	<50	<30
MW-03D	38.8-48.8	9/26/2013	**237**	<15	**93.9 J**	<2	<4	**14,500**	<10	<50	<25	<0.01	**176**	<10	**3110 J**	**137**	<0.2	<40	**3290 J**	<10	**13,600**	<50	<30
MW-03D	38.8-48.8	11/25/2014	<200	<15	**125 J**	<2	<4	**17,700**	<10	<50	<25	n/a	<150	<10	**3990 J**	**73.7**	<0.2	<40	**3660 J**	<10	**17,400**	<50	11.9 J
MW-04D	38.8-48.8	9/26/2013	**689**	<15	**63.8 J**	<2	**1.9 J**	**13,500**	**25.7**	<50	**61**	**0.06**	**807**	**6.3 J**	**3380 J**	**31.1**	<0.2	**3.7 J**	**2940 J**	<10	**16,400**	<50	**54.7**
MW-04D	38.8-48.8	11/25/2014	<200	<15	**61.1 J**	<2	**1.2 J**	**13,900**	**17.5**	<50	**8.3 J**	n/a	<150	<10	**3450 J**	**9.5 J**	<0.2	<40	**2960 J**	<10	**16,100**	<50	11.2 J
MW-04S	13.7-23.7	9/26/2013	**5,980**	**6.4 J**	**134 J**	<2	**166**	**28,000**	**334**	<50	**683**	<0.01	**9,600**	**88.6**	**5,980**	**146**	<0.2	**70.7**	**5,020**	<10	**11,700**	**16.4 J**	**484**
MW-04S	13.7-23.7	11/25/2014	<200	<15	**19.5 J**	<2	**35.5**	**15,500**	**16.8**	<50	**19.8 J**	n/a	<150	<10	**2500 J**	<15	<0.2	**16.4 J**	**1890 J**	<10	**4120 J**	<50	26.1 J
MW-05D1	40-50	9/26/2013	**658**	<15	**61.7 J**	<2	**2.8 J**	**13,800**	**12.4**	<50	<25	<0.01	**1,010**	<10	**2940 J**	**266**	<0.2	<40	**3390 J**	<10	**15,700**	<50	7.9 J
MW-05D1	40-50	11/24/2014	**125 J**	<15	**58.6 J**	<2	**2.2 J**	**13,600**	**8.1 J**	<50	<25	n/a	**181**	<10	**2810 J**	**70.3**	<0.2	<40	**3660 J**	<10	**17,600**	<50	6.5 J
MW-06D1	40-50	9/27/2013	**385**	<15	**53.2 J**	<2	**1 J**	**13,200**	**4.1 J**	<50	**8 J**	<0.01	**897**	<10	**3050 J**	**42.6**	<0.2	<40	**3080 J**	<10	**15,300**	<50	19.3 J
MW-06D1	40-50	11/24/2014	**119 J**	<15	**53.3 J**	<2	<4	**13,300**	<10	<50	<25	n/a	**265**	<10	**2960 J**	**13.2 J**	<0.2	<40	**3440 J**	<10	**18,100**	<50	8 J
MW-06S	17-27	9/27/2013	**816**	<15	**39 J**	<2	**120**	**13,500**	**40.4**	<50	**10.2 J**	<0.01	**1,240**	<10	**2600 J**	**21.5**	<0.2	**33.7 J**	**3180 J**	<10	**9,900**	<50	22.6 J
MW-06S	17-27	11/24/2014	<200	<15	**39.3 J**	<2	**123**	**16,300**	**46.8**	<50	**8.4 J**	n/a	**110 J**	<10	**2900 J**	**4.9 J**	<0.2	**24.7 J**	**3790 J**	<10	**15,300**	<50	24.4 J
MW-07D1	50-60	9/27/2013	**391**	<15	**38 J**	<2	**3.9 J**	**16,500**	**7 J**	<50	**46.4**	<0.01	**1,070**	**4.3 J**	**3200 J**	**45.8**	<0.2	**7.2 J**	**3500 J**	<10	**13,200**	**5.6 J**	**107**
MW-07D1	50-60	11/25/2014	<200	<15	**45.6 J**	<2	<4	**18,200**	<10	<50	<25	n/a	**68.2 J**	<10	**3560 J**	<15	<0.2	<40	**2790 J**	<10	**13,300**	<50	17.3 J
MW-07S	48.8-58.8	9/27/2013	**952**	<15	**62.6 J**	<2	**1.8 J**	**21,300**	**40.5**	<50	**48.7**	**0.01 J**	**3,260**	**11.7**	**2250 J**	**73.8**	**0.16 J**	**7.4 J**	**2830 J**	<10	**9,690**	**4.7 J**	**34.9**
MW-09S	27-37	9/26/2013	**10,900**	**10 J**	**71.9 J**	**0.83 J**	**1.8 J**	**18,100**	**14.1**	**39.8 J**	**19.4 J**	<0.01	**13,500**	**9 J**	**4440 J**	**3,490**	<0.2	**13.7 J**	**3950 J**	<10	**12,900**	**15.7 J**	**116**
MW-09S	27-37	11/24/2014	<200	<15	**15.1 J**	<2	<4	**18,500**	<10	<50	<25	n/a	<150	<10	**3150 J**	**42.5**	<0.2	<40	**3020 J**	<10	**13,600**	<50	8.3 J
MW-11S	25.7-35.7	9/26/2013	**2,070**	<15	**45.3 J**	<2	<4	**19,600**	**4.8 J**	<50	<25	<0.01	**2,820**	<10	**3450 J**	**203**	<0.2	<40	**3150 J**	<10	**9,800**	<50	12.3 J
MW-11S	25.7-35.7	11/24/2014	<200	<15	**25.5 J**	<2	<4	**17,300**	<10	<50	<25	n/a	**67.8 J**	<10	**2900 J**	**14.1 J**	<0.2	<40	**2360 J**	<10	**10,500**	<50	<30
MW-12D1	39.5-49.5	9/27/2013	**132 J**	<15	**39.9 J**	<2	**5.7**	**13,700**	**163**	<50	**9 J**	<0.01	**258**	<10	**2410 J**	**31.4**	<0.2	**5.4 J**	**2990 J**	<10	**10,500**	<50	**30.6**
MW-12D1	39.5-49.5	11/24/2014	<200	<15	**51.1 J**	<2	**9**	**14,200**	**92.1**	<50	**20.3 J**	n/a	**72.6 J**	<10	**2770 J**	**15.9**	<0.2	**9.2 J**	**3320 J**	<10	**15,400**	<50	13.5 J
MW-12S	17-27	9/27/2013	**4,420**	<15	**54.6 J**	<2	**118**	**19,500**	**34.2**	**4.4 J**	**13.7 J**	<0.01	**6,090**	<10	**3730 J**	**126**	<0.2	**192**	**3100 J**	<10	**13,200**	**7.4 J**	**44.2**
MW-12S	17-27	11/24/2014	**1,280**	<15	**46.5 J**	<2	**163**	**19,100**	**32.1**	<50	**19.7 J**	n/a	**1,980**	<10	**2730 J**	**48.7**	<0.2	**186**	**3930 J**	<10	**18,300**	<50	**55.5**
MW-14D1	39.5-49.5	9/27/2013	**759**	<15	**58 J**	<2	<4	**12,400**	<10	<50	<25	<0.01	**1,410**	<10	**2700 J**	**58.8**	<0.2	<40	**2890 J**	<10	**14,000**	<50	<30
MW-14D1	39.5-49.5	11/24/2014	<200	<15	**58.5 J**	<2	<4	**14,100**	<10	<50	<25	n/a	**203**	<10	**2640 J**	**15.6**	<0.2	<40	**3410 J**	<10	**17,000**	<50	<30
MW-14S	13.8-23.8	9/27/2013	**12,100**	**7.6 J**	**95.4 J**	**0.95 J**	**95.6**	**19,900**	**26.9**	**10.1 J**	**23.4 J**	<0.01	**17,600**	**13.7**	**4780 J**	**291**	<0.2	**42.5**	**4660 J**	<10	**8,570**	**17.9 J**	**70.3**
MW-14S	13.8-23.8	11/24/2014	<200	<15	**33.1 J**	<2	**38.5**	**20,300**	<10	<50	<25	n/a	<150	<10	**2970 J**	<15	<0.2	<40	**3990 J**	<10	**15,500**	<50	<30
MW-16D1	90.2-100.2	9/27/2013	**482**	<15	**35.5 J**	<2	<4	**12,700**	<10	<50	<25	<0.01	**569**	<10	**3530 J**	14 J	<0.2	<40	**2540 J**	<10	**16,500**	<50	<30
MW-16D1	90.2-100.2	11/25/2014	**139 J**	<15	**40.5 J**	<2	<4	**15,700**	<10	<50	<25	n/a	**233**	**7.1 J**	**4380 J**	**10 J**	<0.2	<40	**1530 J**	<10	**15,700**	<50	7.4 J
MW-16S	50.41-60.41	9/27/2013	**335**	<15	**50.5 J**	<2	<4	**26,700**	<10	<50	<25	<0.01	**635**	<10	**3880 J**	**28.9**	<0.2	<40	**2870 J**	<10	**13,300**	<50	15.4 J
MW-16S	50.41-60.41	11/25/2014	**89.3 J**	<15	**44.3 J**	<2	<4	**24,200**	<10	<50	<25	n/a	**139 J**	**5 J**	**3640 J**	**11.3 J**	<0.2	<40	**2630 J**	<10	**11,700**	<50	<30

NYSDEC_TOGS111[a]_ClassGA_Standard	n/a	**25**	**1,000**	n/a	**5**	n/a	**50**	n/a	**200**	**0.2**	**300**	**25**	n/a	**300**	**0.7**	**100**	n/a	**50**	**20,000**	n/a	n/a
NYSDEC_TOGS111[a]_ClassGA_Guidance	n/a	n/a	n/a	**3**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**35,000**	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**2,000**

Note:
[a]NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998
EPA Methods: SW6010C (metals)/SW7470A (Mercury)

FIGURES

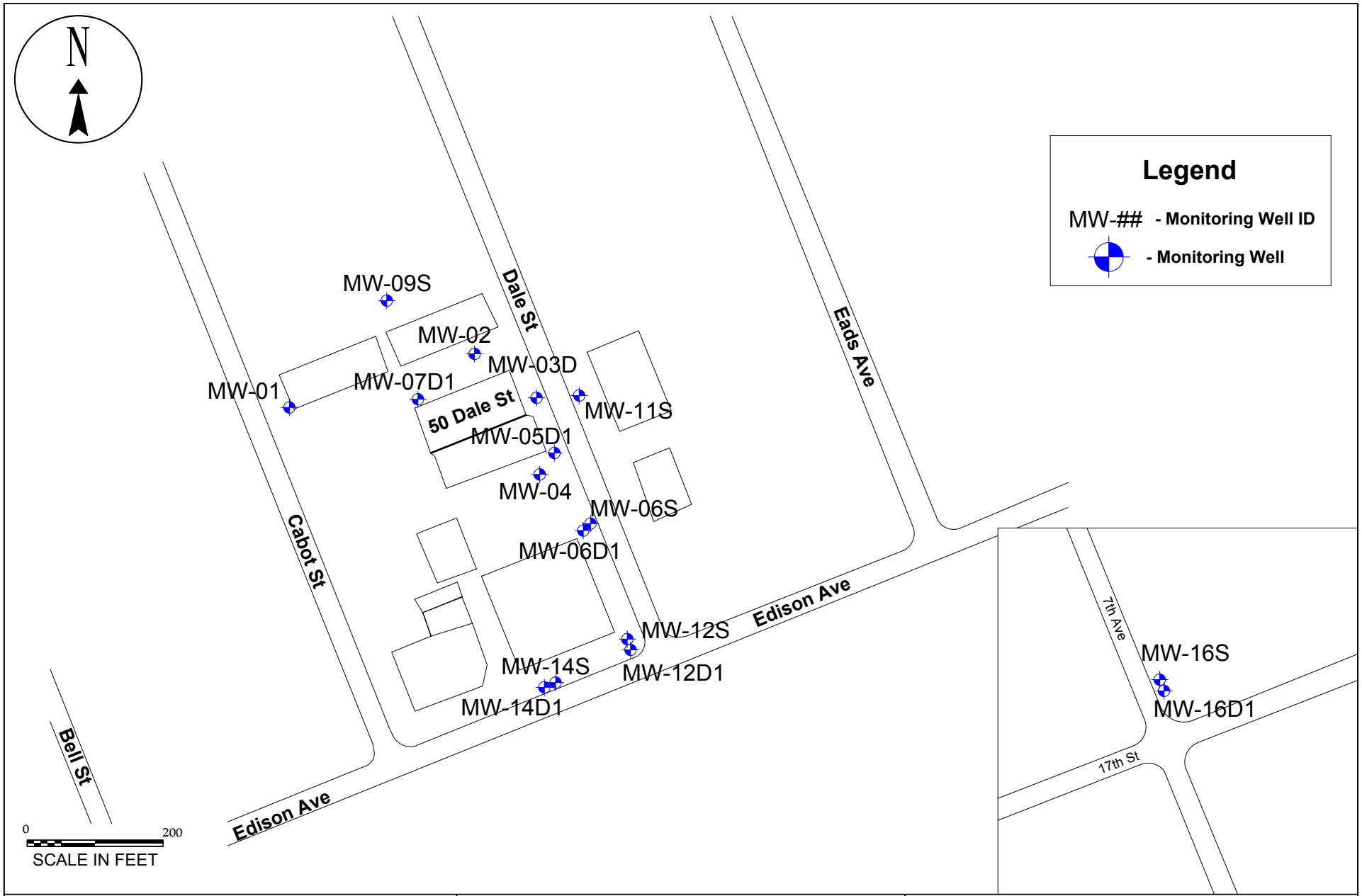
ENVIRONMENTAL ASSESSMENT & REMEDIATIONS
225 Atlantic Avenue
Patchogue, New York 11772
Tel (888) 327-6789
Fax (631) 447-7497
Email: Info@Enviro-Asmnt.com
www.Enviro-Asmnt.com

NOT TO SCALE

Site Location Map

Figure 1

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704



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Site Map

Figure 2

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704
NYSDEC Site #152029
Groundwater Elevations - November 2014

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

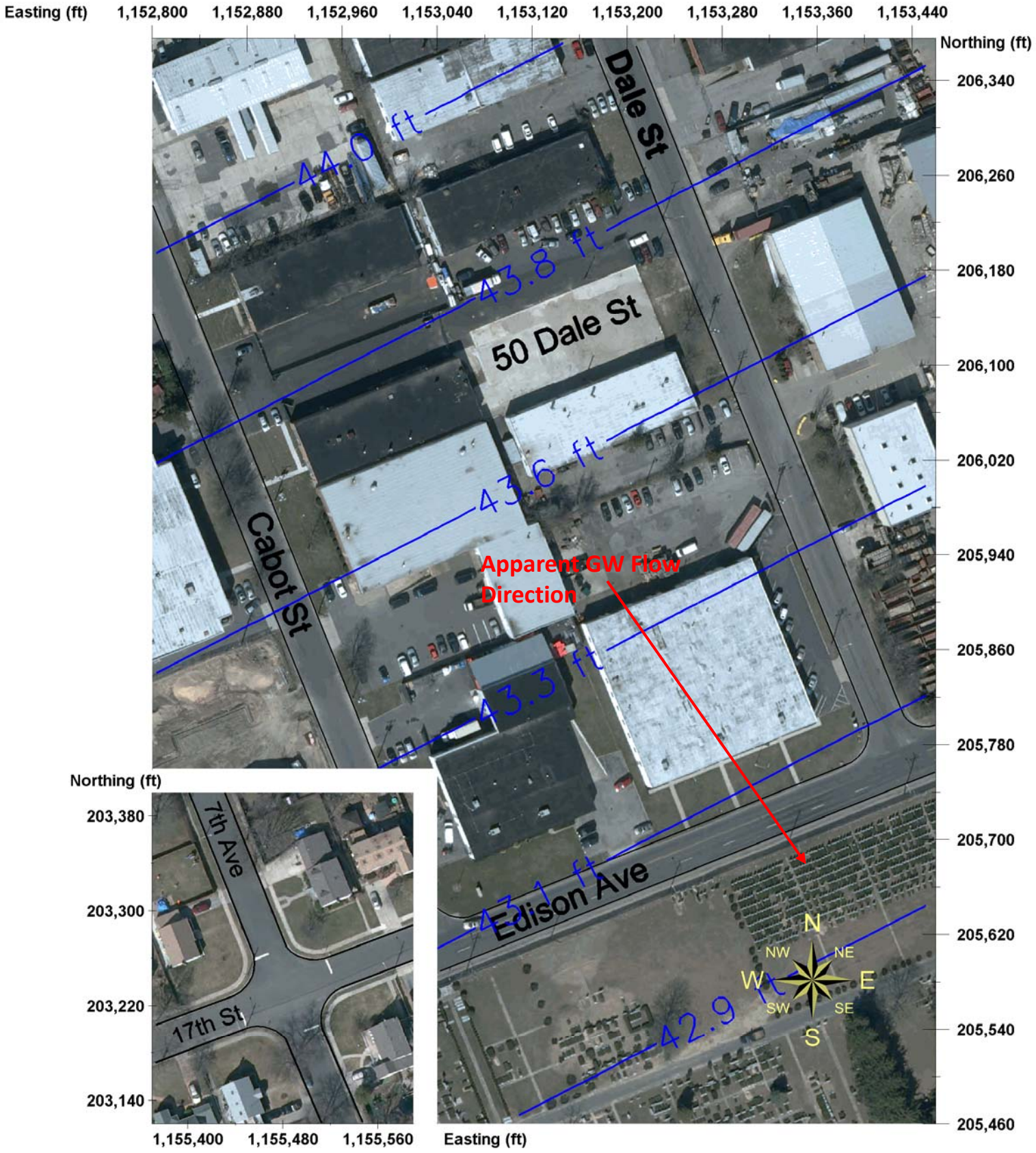
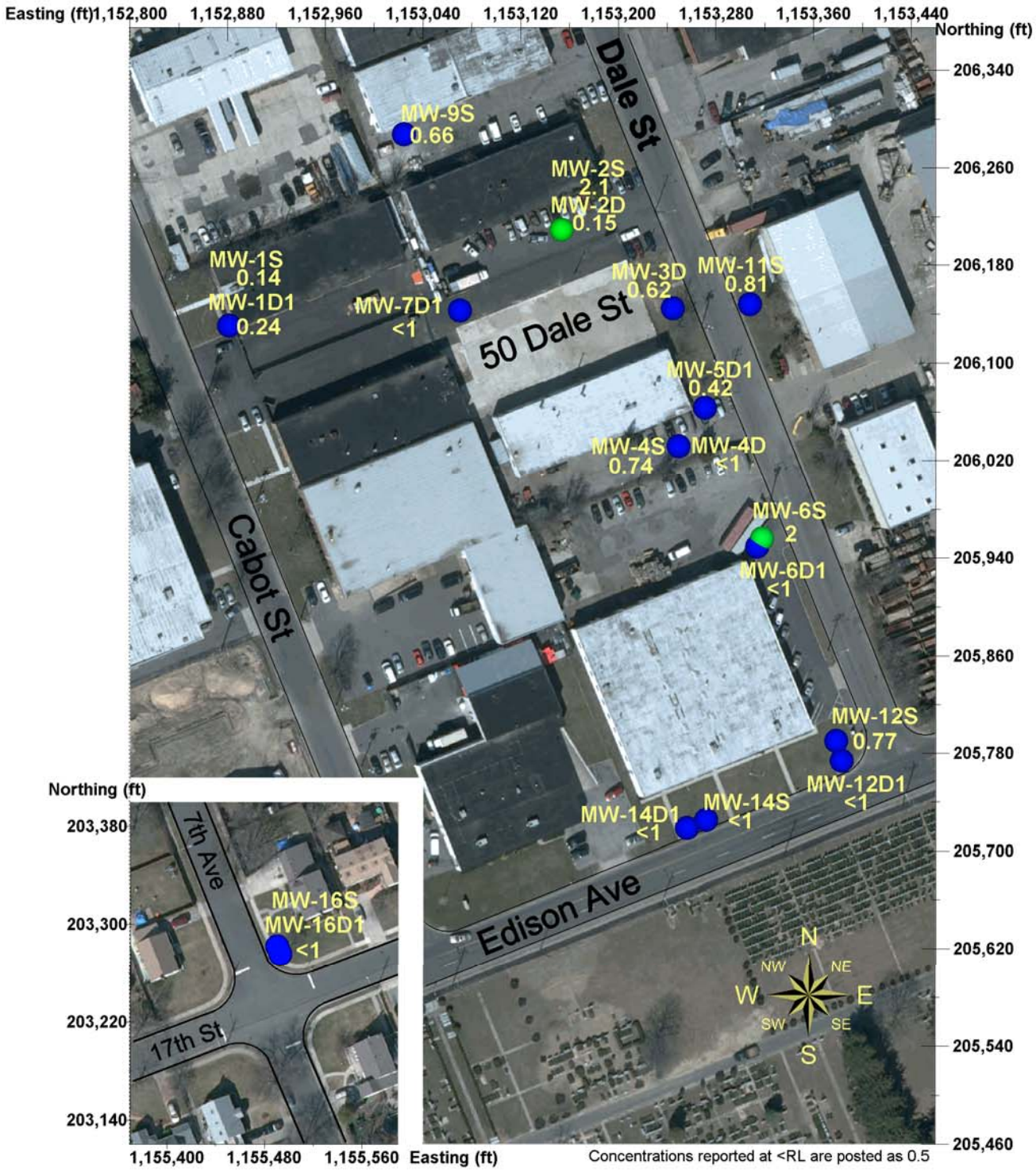


Figure 3

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704
NYSDEC Site #152029
November 2014
Groundwater Sampling Event
2-D Post Map
Analytical Results
Tetrachloroethene (PCE)

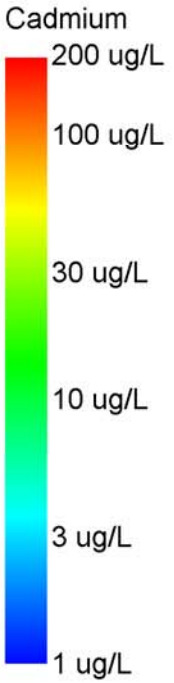


Tetrachloroethene
5 ug/L
4 ug/L
3 ug/L
2 ug/L
1 ug/L

Figure 4

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704
NYSDEC Site #152029
November 2014
Groundwater Sampling Event
2-D Post Map
Analytical Results
Cadmium



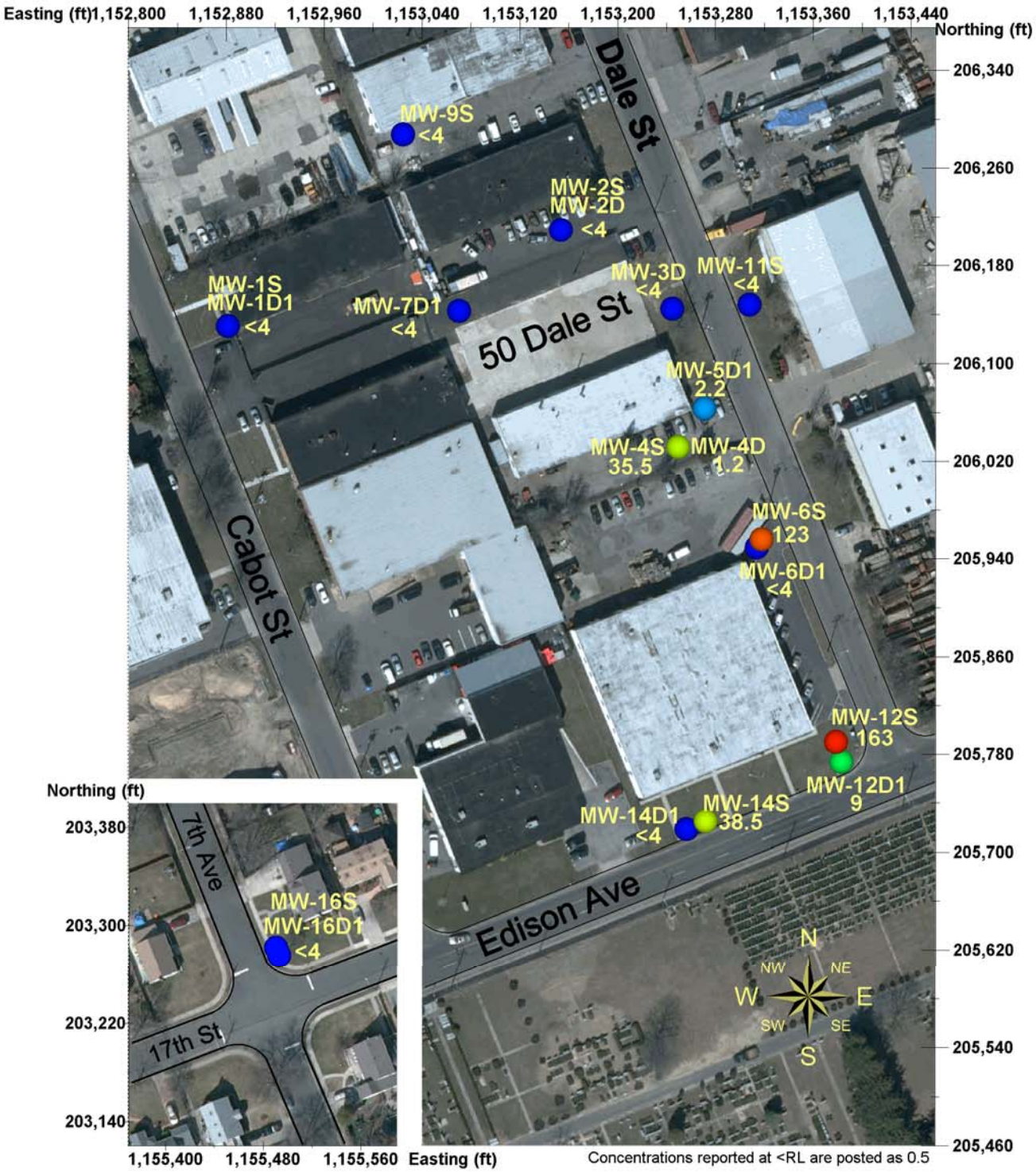
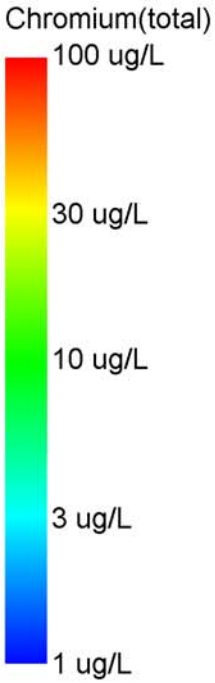


Figure 5

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704
NYSDEC Site #152029
November 2014
Groundwater Sampling Event
2-D Post Map
Analytical Results
Chromium



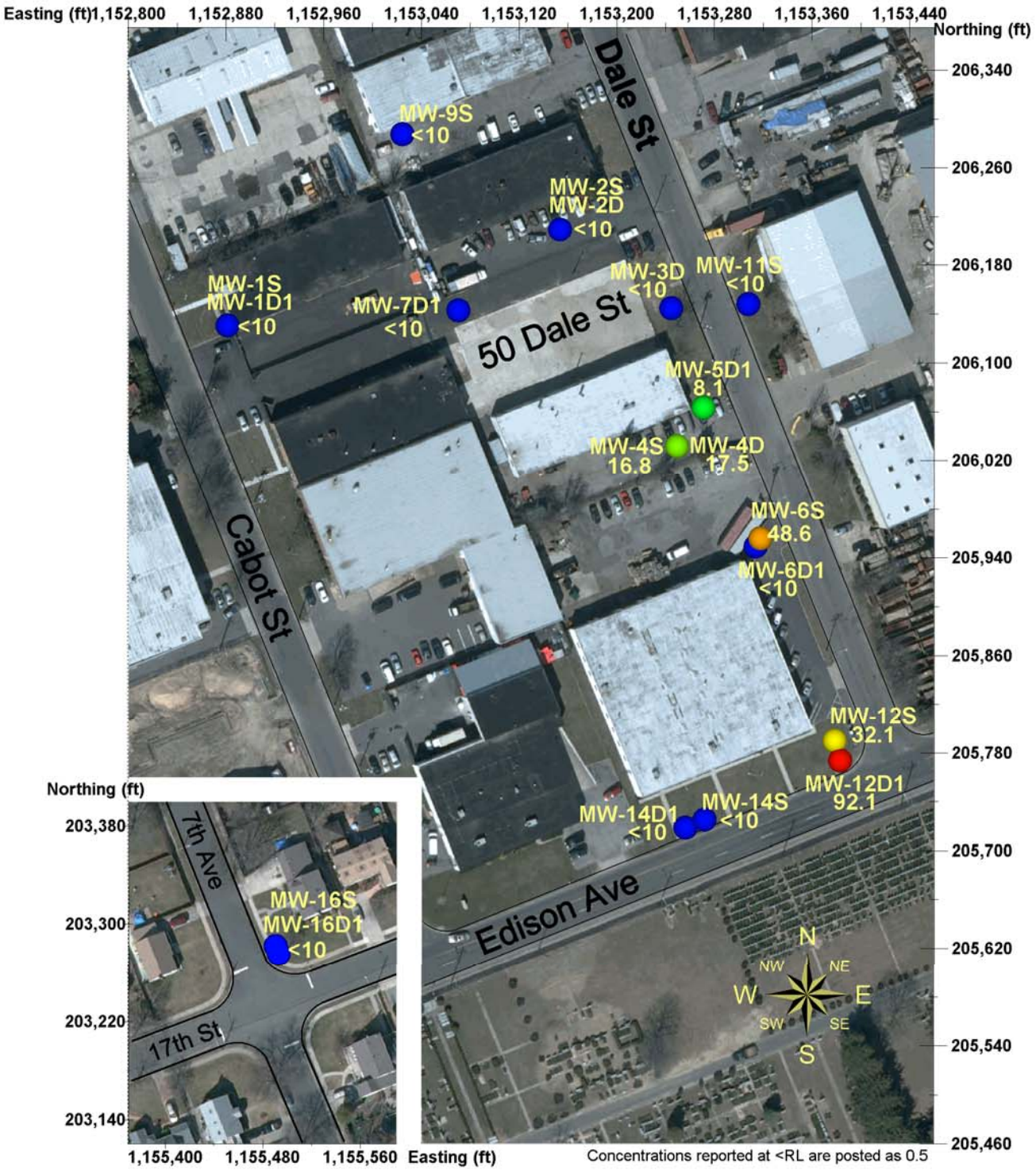
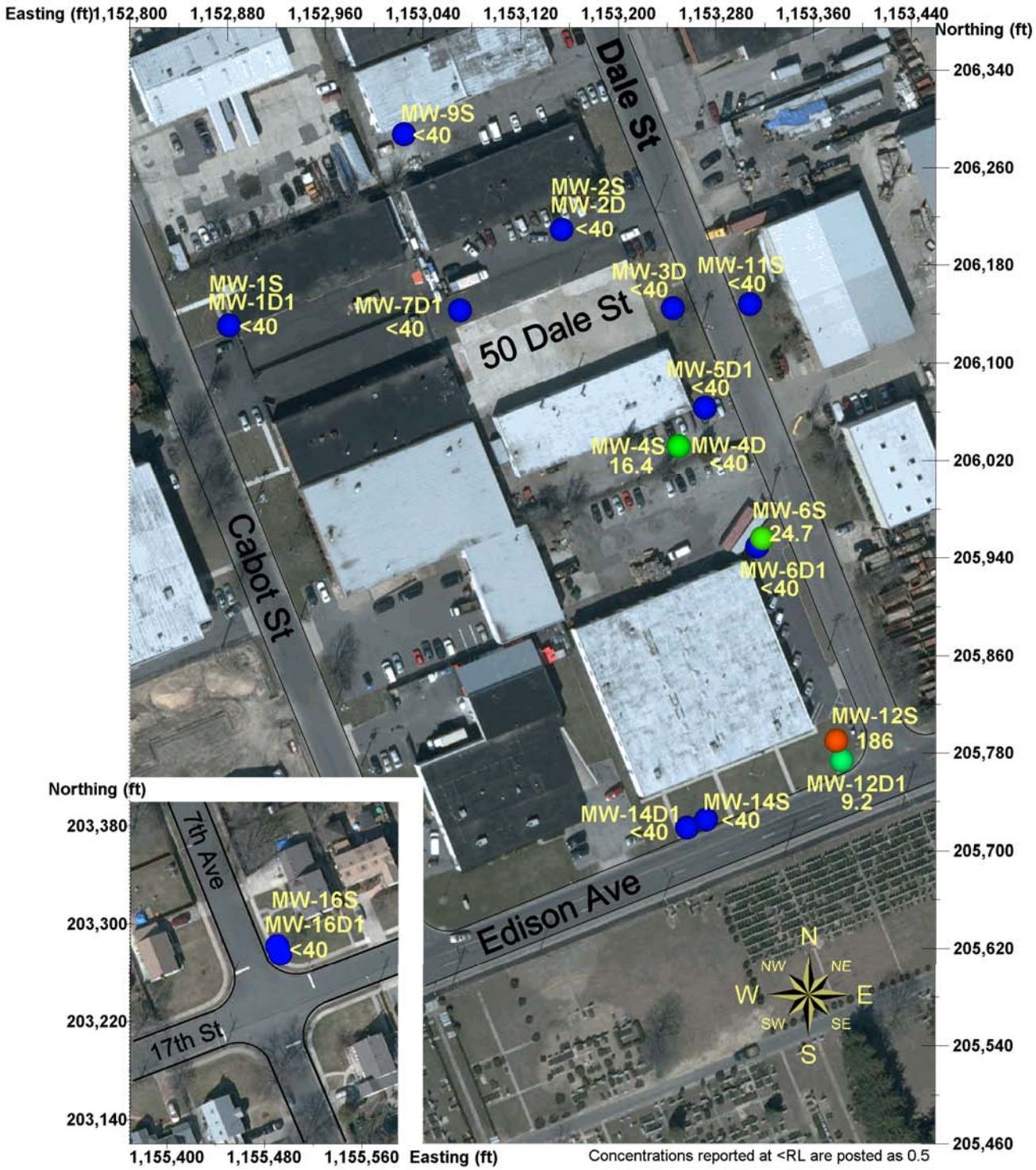


Figure 6

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704
NYSDEC Site #152029
November 2014
Groundwater Sampling Event
2-D Post Map
Analytical Results
Nickel

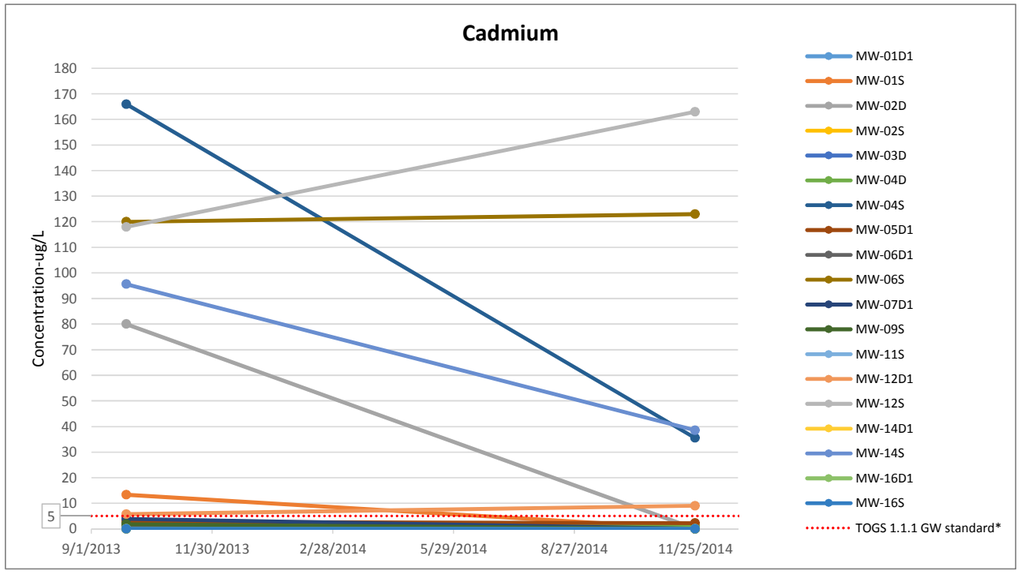


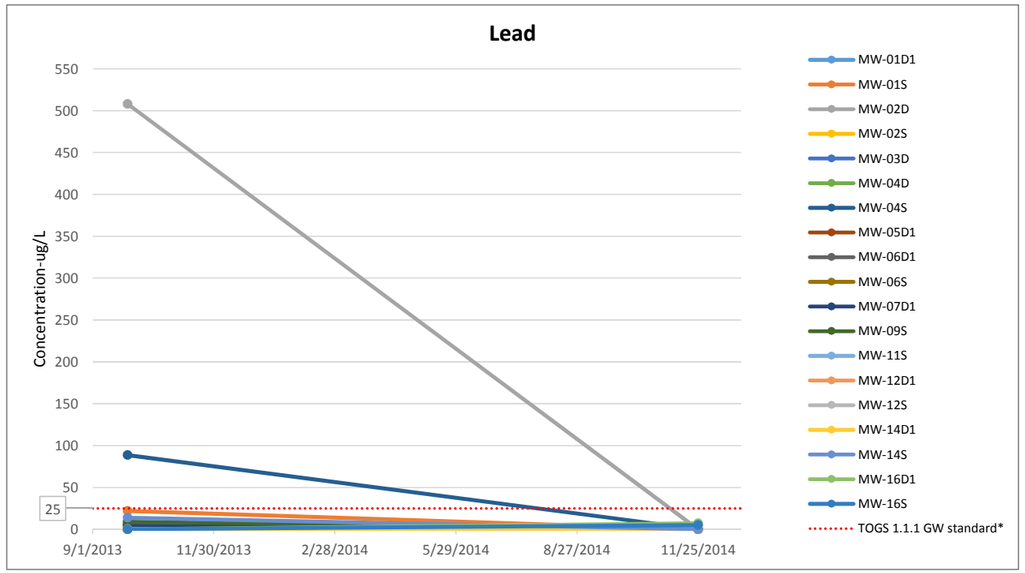
Nickel
300 ug/L
100 ug/L
30 ug/L
10 ug/L
3 ug/L
1 ug/L

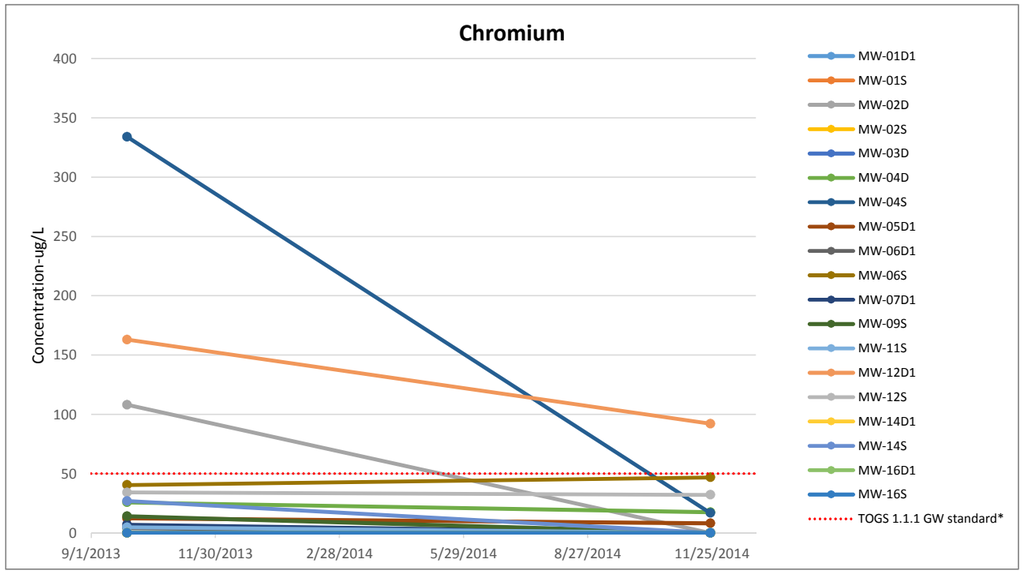
Figure 7

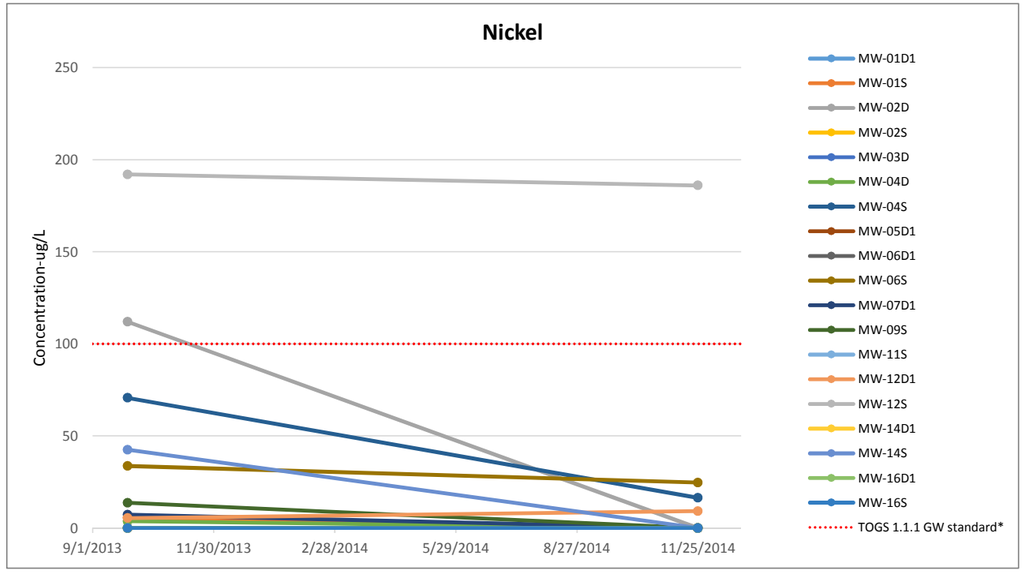
Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

Metals Trend Graphs





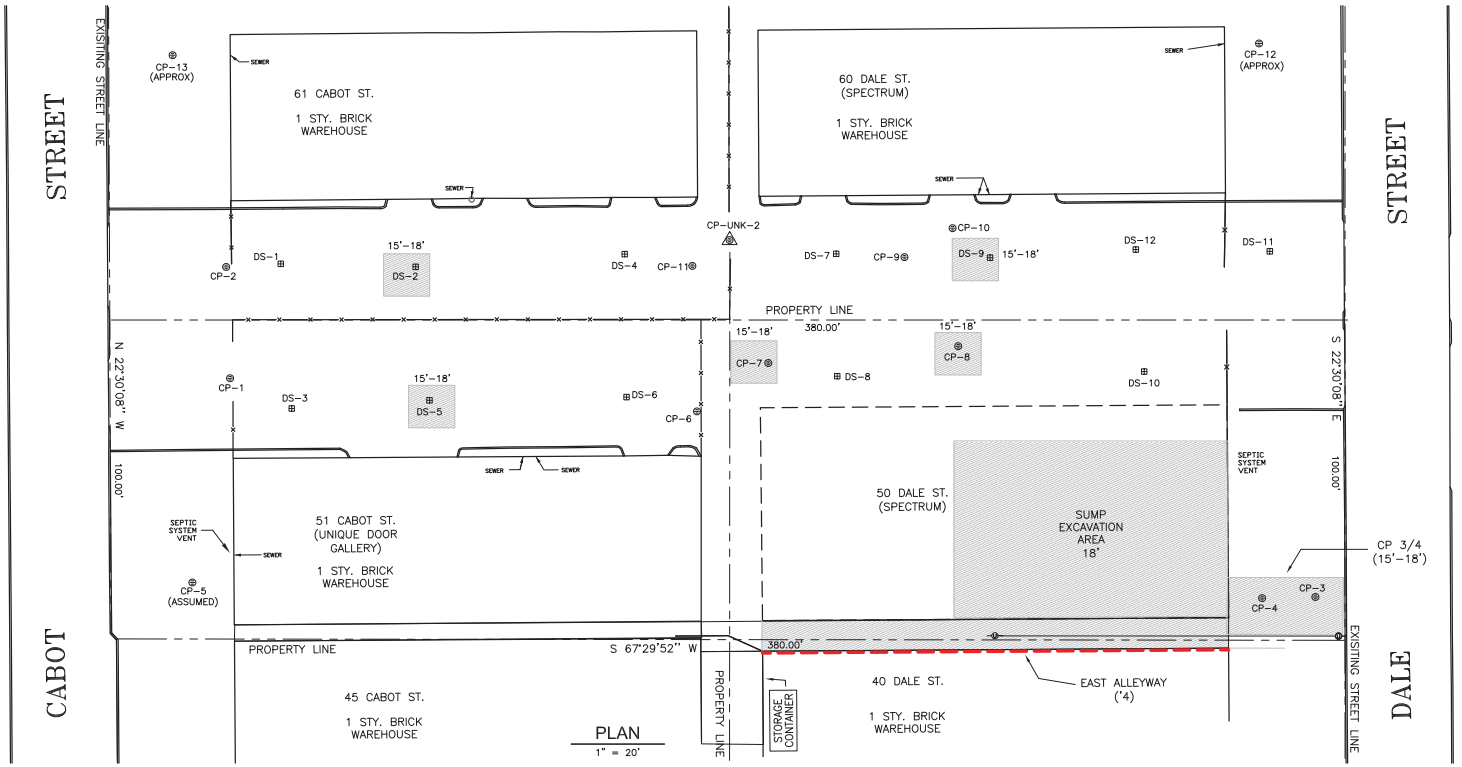




Note:
*-NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998

Figure 8

Appendix A: Reference Documents



LEGEND:

- FENCE TO BE REMOVED AND REPLACED IN KIND (SEE DETAIL SHEET G-10)
- OVERHEAD ELECTRIC AND UTILITY POLE
- CP-10 CESSPOOL LOCATION AND DESIGNATION
- DS-11 DRAINAGE STRUCTURE LOCATION AND DESIGNATION
- CP-UNK-2 CESSPOOL LOCATION UNKNOWN
- LIMIT OF CONTAMINATION NOT DEFINED (OFFSITE)
- RESTRICTED EXCAVATION LOCATION
- PROPERTY AND EXISTING STREET LINE

1" = 20'
10 0 20

NOTES:

1. THE DEPTHS AT WHICH CONTAMINATED SOILS MAY BE ENCOUNTERED SHOWN ON THE FIGURE ARE APPROXIMATE DEPTHS OF WHERE CONTAMINATION BEGINS
2. THE LIMITS AND DEPTHS OF CONTAMINATED SOILS ARE BASED ON CURRENT INFORMATION. CONTAMINATION MAY EXIST OUTSIDE OF THESE AREAS AND AT SHALLOWER DEPTHS THAN INDICATED.
3. THE SITE IS RESTRICTED TO COMMERCIAL/INDUSTRIAL USE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE SUCH AS RESIDENTIAL.
4. THE GROUNDWATER TABLE BENEATH THE SITE IS CONTAMINATED AND NOT ACCEPTABLE FOR USE AS A POTABLE WATER SUPPLY OR FOR IRRIGATION.
5. ONLY PORTION OF BUILDING FLOOR SLAB REMAINS AT 50 DALE. BUILDING WAS DEMOLISHED AS PART OF REMEDIATION.

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	1-29-09	AK	JPB	REVISIONS BASED ON COUNTY COMMENTS

CDM
Camp Dresser & McKee
11 British American Boulevard
Latham, NY 12110
Tel: (518) 782-4500
consulting • engineering • construction • operations

NYSDEC
CONTRACT NO. D006356
SPECTRUM FINISHING CORPORATION
BABYLON, NEW YORK

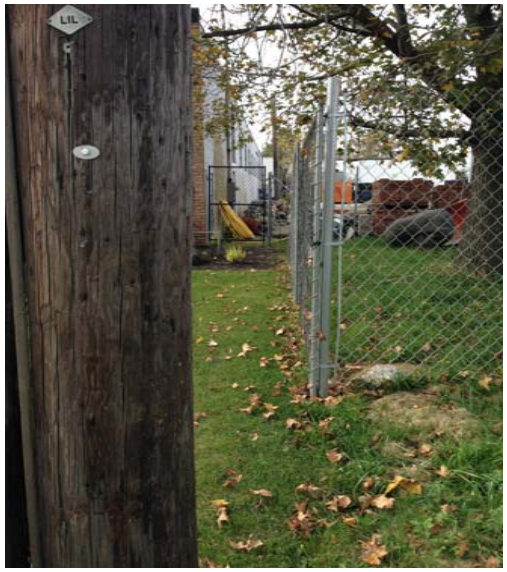
EXCAVATION RESTRICTION AREAS

PROJECT NO. 0897-58505
FILE NAME: FIGURE 4.dwg
SHEET NO.
FIGURE A.1

South-SouthEast facing view

Sump Excavation Area

SouthWest by South facing view



West-SouthWest facing view

View From Propertyline

West by North facing view

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www.Enviro-Asmnt.com

NOT TO SCALE

Restricted Excavation Locations

October 2014

Spectrum Finishing
50 Dale Street
West Babylon, NY 11704

Figure A.2

Appendix B: Field Data Sheets and Notes

Site: DEC - West Babylon 50

Date: 11/24/14

Tech: Bruce + Dennis Vigliotta

Groundwater Sampling Sheet: Stabilization Purge Method

Start Time: 7:00

End Time: 3:00

Equipment: Honda 2000 W. generator, Water level meter, Geopump } CDI

YSI - EAR

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Notes
mw-12S	2"	27.25	20.78	6.47	1.13	2.0	10:07	3.93	16.40	10.07	-20.0	170	
mw-12D1	2"	50.18	20.68	29.50	5.16	5.25	9:35	5.96	15.00	9.30	17.5	146	
mw-14S	2"	24.11	20.25	3.86	.68	3.50	10:40	4.30	16.29	9.92	-47.1	164	
mw-14D1	2"	50.10	20.40	29.70	5.20	5.25	11:05	5.68	14.77	10.14	-27.6	149	
mw-06D1	2"	49.80	19.85	29.95	5.24	5.25	11:37	7.35	14.66	9.56	-1.9	152	New I plug
mw-06S	2"	26.80	19.83	6.97	1.22	2.50	12:00	5.54	16.20	9.30	-38.2	150	New I plug
mw-05D1	2"	50.50	20.61	29.89	5.23	5.25	12:35	5.77	14.73	10.04	-16.7	153	New I plug
mw-11S	2"	25.92	20.82	5.10	.89	3.50	1:02	5.29	16.36	8.90	-26.1	132	New I plug
mw-09S	2"	23.80	21.52	2.28	.40	2.25	1:36	5.60	15.44	10.03	-9.1	158	New I plug
mw-01S	2"	24.95	21.11	3.84	.67	2.0	2:15	5.27	16.22	9.63	-39.3	218	
mw-01D1	2"	50.03	21.04	28.99	5.07	5.25	2:46	6.79	15.05	8.38	-0.4	132	

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.03	0.11	0.18	0.42	0.7	2.68	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 6 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PM IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

mw125 = mw-X

Site: DEC - West Babylon 50

Date: 11/25/14

Techs: Bruce & Dennis Vigliotta

Groundwater Sampling Sheet: Stabilization Purge Method

Start Time: 7:00

End Time: 1:35

Equipment: 2000w Honda generator, water level meter, Geopump } CDI

YSI - EAR

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Notes
MW-02S	2"	24.11	21.11	3.0	.53	2.0	8:40	2.02	15.49	1.70	-52.8	138	
MW-02D	2"	48.89	21.10	27.79	4.86	5.0	9:05	5.22	14.68	.32	20.0	150	
MW-03S	2"	19.31	—	—	—	—	—	—	—	—	—	—	
MW-03D	2"	49.10	21.08	28.02	4.90	5.0	9:33	1.99	15.03	1.93	-14.4	192	No water
MW-07S	2"	—	—	—	—	—	—	—	—	—	—	—	under car
MW-07D	2"	49.85	21.13	28.72	5.03	5.25	10:17	3.43	14.61	6.19	-20.8	156	New J plug
MW-04S	2"	23.30	20.40	2.9	.51	2.0	10:40	8.10	14.41	2.60	22.0	105	
MW-04D	2"	48.33	20.21	28.12	4.92	5.0	11:08	7.72	14.49	1.54	27.3	157	New J plug
MW-16S	2"	50.85	14.79	36.06	6.31	6.5	11:55	4.77	14.24	5.94	-12.6	176	
MW-16D1	2"	90.76	14.65	76.11	13.32	13.0	12:50	7.86	14.00	3.50	30.3	169	

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume before wait for stabilization.

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

MW-04S = MW-X

Appendix C: QA/QC Sample Summary Table

Table C.1

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Blind Duplicates Results
Concentrations Reported in ug/L
(TestAmerica, Inc.) Analysis: SW8260C(VOCs) & SW6010C(Metals)/SW7040C(Mercury)

Parameter	Original Sample MW-12S	Blind Duplicate MW-X	Relative Percent Difference	Original Sample MW-4S	Blind Duplicate MW-X	Relative Percent Difference
1,1 Dichloroethane	<1	<1	0 %	<1	<1	0 %
1,1 Dichloroethene	<1	<1	0 %	<1	<1	0 %
1,1,1 Trichloroethane	<1	<1	0 %	<1	0.12	200 %
1,1,2 Trichloroethane	<1	<1	0 %	<1	<1	0 %
1,1,2,2 Tetrachloroethane	<1	<1	0 %	<1	<1	0 %
1,2 Dichloroethane	<1	<1	0 %	<1	<1	0 %
1,2 Dichloropropane	<1	<1	0 %	<1	<1	0 %
1,2-DICHLOROETHANE-D4	48	47	2.11 %	48	43	10.99 %
4-Bromofluorobenzene	54	51	5.71 %	52	45	14.43 %
Aluminum	1280	1430	11.07 %	<200	<200	0 %
Antimony	<20	<20	0 %	<20	<20	0 %
Arsenic	<15	<15	0 %	<15	<15	0 %
Barium	46.5	48.1	3.38 %	19.5	20.7	5.97 %
Beryllium	<2	<2	0 %	<2	<2	0 %
Bromodichloromethane	<1	<1	0 %	<1	<1	0 %
c 1,3 Dichloropropene	<1	<1	0 %	<1	<1	0 %
Cadmium	163	164	0.61 %	35.5	37.8	6.28 %
Calcium	19100	19200	0.52 %	15500	16600	6.85 %
Carbon Tetrachloride	<1	<1	0 %	<1	<1	0 %
Chlorobenzene	<1	<1	0 %	<1	<1	0 %
Chloroethane	<1	<1	0 %	<1	<1	0 %
Chloroform	<1	<1	0 %	<1	<1	0 %
Chloromethane	<1	<1	0 %	<1	<1	0 %
Chromium (total)	32.1	36.2	12.01 %	16.8	17.8	5.78 %
cis-1,2-Dichloroethene	<1	<1	0 %	<1	<1	0 %
Cobalt	<50	<50	0 %	<50	<50	0 %
Copper	19.7	25.3	24.89 %	19.8	20.8	4.93 %
Dibromochloromethane	<1	<1	0 %	<1	<1	0 %
Dibromofluoromethane	53	50	5.83 %	51	41	21.74 %
Iron	1980	2330	16.24 %	<150	<150	0 %
Lead	<10	<10	0 %	<10	<10	0 %
Magnesium	2730	2800	2.53 %	2500	2680	6.95 %
Manganese	48.7	60.4	21.45 %	<15	<15	0 %
Mercury*	<0.2	<0.2	0 %	<0.2	<0.2	0 %
Methylene Chloride	<1	<1	0 %	<1	<1	0 %
Nickel	186	188	1.07 %	16.4	17.2	4.76 %
Potassium	3930	3880	1.28 %	1890	1990	5.15 %
Selenium	<20	<20	0 %	<20	<20	0 %
Silver	<10	<10	0 %	<10	<10	0 %
Sodium	18300	17900	2.21 %	4120	4450	7.7 %
t 1,3 Dichloropropene	<1	<1	0 %	<1	<1	0 %
Tetrachloroethene	0.77	<1	200 %	0.74	0.71	4.14 %
Thallium	<20	<20	0 %	<20	<20	0 %
TOLUENE-D8	51	48	6.06 %	50	49	2.02 %
trans-1,2-Dichloroethene	<1	<1	0 %	<1	<1	0 %
Trichloroethylene	<1	<1	0 %	0.14	0.13	7.41 %
Vanadium	<50	4.3	200 %	<50	<50	0 %
Vinyl Chloride	<1	<1	0 %	<1	<1	0 %
Zinc	55.5	56.5	1.79 %	26.1	27.1	3.76 %

Samples collected in November 2014
***Mercury analysis performed beyond lab preparation hold time**

Spectrum Finishing
Site #152029
50 Dale Street
West Babylon, NY 11704

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

QA/QC results
Concentrations Reported in ug/L
(TestAmerica, Inc.) Analysis: SW8260C(VOCs)

Location	Trip Blank	Equipment Blank
Date_Collected	11/25/2014	11/25/2014
1,1 Dichloroethane	<1	<1
1,1 Dichloroethene	<1	<1
1,1,1 Trichloroethane	<1	<1
1,1,2 Trichloroethane	<1	<1
1,1,2,2 Tetrachloroethane	<1	<1
1,2 Dichloroethane	<1	<1
1,2 Dichloropropane	<1	<1
Bromodichloromethane	<1	<1
c 1,3 Dichloropropene	<1	<1
Carbon Tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
cis-1,2-Dichloroethene	<1	<1
Dibromochloromethane	<1	<1
Methylene Chloride	**0.57 J**	<1
t 1,3 Dichloropropene	<1	<1
Tetrachloroethene	<1	<1
Total VOCs	**0.57**	<22
trans-1,2-Dichloroethene	<1	<1
Trichloroethylene	<1	<1
Vinyl Chloride	**<1**	**<1**
Xylenes Total	<0	<0

Appendix D: Laboratory Analytical Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-86882-1

Job Description: DEC West Babylon, NY,Spectrum,152029

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Mr. Lawrence M Thomas

Approved for release.
Sarah E Brown
Project Management Assistant II
1/6/2015 5:21 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
01/06/2015

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-86882-1

Job Description: DEC West Babylon, NY,Spectrum,152029

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Sarah E Brown
Project Management Assistant II
1/6/2015 5:21 PM

Designee for
Melissa Haas

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC West Babylon, NY,Spectrum,152029

Report Number: 460-86882-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/25/2014 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7º C.

Except:

The following sample was listed on the Chain of Custody (COC); however, no sample was received: Trip Blank-1 (460-86882-13). The client was notified.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Method 7470A was not listed on the COC but is required per the client.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples MW-12S (460-86882-1), MW-12D1 (460-86882-2), MW-14S (460-86882-3), MW-14D1 (460-86882-4), MW-06D1 (460-86882-5), MW-06S (460-86882-6), MW-05DI (460-86882-7), MW-11S (460-86882-8), MW-9S (460-86882-9), MW-X (460-86882-10), MW-01S (460-86882-11) and MW-01D1 (460-86882-12) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 11/29/2014.

The continuing calibration verification (CCV) associated with batch 265918 recovered outside control limits for the following analytes: 1,1,2,2-Trichloroethane, 1,1,2-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples MW-12S (460-86882-1), MW-12D1 (460-86882-2), MW-14S (460-86882-3), MW-14D1 (460-86882-4), MW-06D1 (460-86882-5), MW-06S (460-86882-6), MW-05DI (460-86882-7), MW-11S (460-86882-8), MW-9S (460-86882-9), MW-X (460-86882-10), MW-01S (460-86882-11) and MW-01D1 (460-86882-12) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 12/20/2014 and analyzed on 12/21/2014.

No difficulties were encountered during the Metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-12S (460-86882-1), MW-12D1 (460-86882-2), MW-14S (460-86882-3), MW-14D1 (460-86882-4), MW-06D1 (460-86882-5), MW-06S (460-86882-6), MW-05DI (460-86882-7), MW-11S (460-86882-8), MW-9S (460-86882-9), MW-X (460-86882-10), MW-01S (460-86882-11) and MW-01D1 (460-86882-12) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/05/2015 and 01/06/2015.

The following samples were prepared outside of preparation holding time due to lab error. MW-01S (460-86882-11), MW-05DI (460-86882-7), MW-06D1 (460-86882-5), MW-06S (460-86882-6), MW-11S (460-86882-8), MW-12D1 (460-86882-2), MW-12S (460-86882-1), MW-14D1 (460-86882-4), MW-14S (460-86882-3), MW-9S (460-86882-9), MW-X (460-86882-10), MW-01D1 (460-86882-12).

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86882-1	**MW-12S**					
Tetrachloroethene		0.77	J	1.0	ug/L	8260C
Aluminum		1280		200	ug/L	6010C
Barium		46.5	J	200	ug/L	6010C
Cadmium		163		4.0	ug/L	6010C
Calcium		19100		5000	ug/L	6010C
Chromium		32.1		10.0	ug/L	6010C
Copper		19.7	J	25.0	ug/L	6010C
Iron		1980		150	ug/L	6010C
Magnesium		2730	J	5000	ug/L	6010C
Manganese		48.7		15.0	ug/L	6010C
Nickel		186		40.0	ug/L	6010C
Potassium		3930	J	5000	ug/L	6010C
Sodium		18300		5000	ug/L	6010C
Zinc		55.5		30.0	ug/L	6010C
460-86882-2	**MW-12D1**					
Trichloroethene		0.14	J	1.0	ug/L	8260C
Barium		51.1	J	200	ug/L	6010C
Cadmium		9.0		4.0	ug/L	6010C
Calcium		14200		5000	ug/L	6010C
Chromium		92.1		10.0	ug/L	6010C
Copper		20.3	J	25.0	ug/L	6010C
Iron		72.6	J	150	ug/L	6010C
Magnesium		2770	J	5000	ug/L	6010C
Manganese		15.9		15.0	ug/L	6010C
Nickel		9.2	J	40.0	ug/L	6010C
Potassium		3320	J	5000	ug/L	6010C
Sodium		15400		5000	ug/L	6010C
Zinc		13.5	J	30.0	ug/L	6010C
460-86882-3	**MW-14S**					
Chloroform		0.16	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.53	J	1.0	ug/L	8260C
1,1,1-Trichloroethane		0.16	J	1.0	ug/L	8260C
Barium		33.1	J	200	ug/L	6010C
Cadmium		38.5		4.0	ug/L	6010C
Calcium		20300		5000	ug/L	6010C
Magnesium		2970	J	5000	ug/L	6010C
Potassium		3990	J	5000	ug/L	6010C
Sodium		15500		5000	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86882-4	**MW-14D1**					
Barium		58.5	J	200	ug/L	6010C
Calcium		14100		5000	ug/L	6010C
Iron		203		150	ug/L	6010C
Magnesium		2640	J	5000	ug/L	6010C
Manganese		15.6		15.0	ug/L	6010C
Potassium		3410	J	5000	ug/L	6010C
Sodium		17000		5000	ug/L	6010C
460-86882-5	**MW-06D1**					
Trichloroethene		0.40	J	1.0	ug/L	8260C
Aluminum		119	J	200	ug/L	6010C
Barium		53.3	J	200	ug/L	6010C
Calcium		13300		5000	ug/L	6010C
Iron		265		150	ug/L	6010C
Magnesium		2960	J	5000	ug/L	6010C
Manganese		13.2	J	15.0	ug/L	6010C
Potassium		3440	J	5000	ug/L	6010C
Sodium		18100		5000	ug/L	6010C
Zinc		8.0	J	30.0	ug/L	6010C
460-86882-6	**MW-06S**					
cis-1,2-Dichloroethene		0.20	J	1.0	ug/L	8260C
Tetrachloroethene		2.0		1.0	ug/L	8260C
1,1,1-Trichloroethane		0.096	J	1.0	ug/L	8260C
Barium		39.3	J	200	ug/L	6010C
Cadmium		123		4.0	ug/L	6010C
Calcium		16300		5000	ug/L	6010C
Chromium		46.8		10.0	ug/L	6010C
Copper		8.4	J	25.0	ug/L	6010C
Iron		110	J	150	ug/L	6010C
Magnesium		2900	J	5000	ug/L	6010C
Manganese		4.9	J	15.0	ug/L	6010C
Nickel		24.7	J	40.0	ug/L	6010C
Potassium		3790	J	5000	ug/L	6010C
Sodium		15300		5000	ug/L	6010C
Zinc		24.4	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86882-7	**MW-05DI**					
Tetrachloroethene		0.42	J	1.0	ug/L	8260C
Trichloroethene		0.26	J	1.0	ug/L	8260C
Aluminum		125	J	200	ug/L	6010C
Barium		58.6	J	200	ug/L	6010C
Cadmium		2.2	J	4.0	ug/L	6010C
Calcium		13600		5000	ug/L	6010C
Chromium		8.1	J	10.0	ug/L	6010C
Iron		181		150	ug/L	6010C
Magnesium		2810	J	5000	ug/L	6010C
Manganese		70.3		15.0	ug/L	6010C
Potassium		3660	J	5000	ug/L	6010C
Sodium		17600		5000	ug/L	6010C
Zinc		6.5	J	30.0	ug/L	6010C
460-86882-8	**MW-11S**					
cis-1,2-Dichloroethene		3.0		1.0	ug/L	8260C
Tetrachloroethene		0.81	J	1.0	ug/L	8260C
Barium		25.5	J	200	ug/L	6010C
Calcium		17300		5000	ug/L	6010C
Iron		67.8	J	150	ug/L	6010C
Magnesium		2900	J	5000	ug/L	6010C
Manganese		14.1	J	15.0	ug/L	6010C
Potassium		2360	J	5000	ug/L	6010C
Sodium		10500		5000	ug/L	6010C
460-86882-9	**MW-9S**					
Tetrachloroethene		0.66	J	1.0	ug/L	8260C
Barium		15.1	J	200	ug/L	6010C
Calcium		18500		5000	ug/L	6010C
Magnesium		3150	J	5000	ug/L	6010C
Manganese		42.5		15.0	ug/L	6010C
Potassium		3020	J	5000	ug/L	6010C
Sodium		13600		5000	ug/L	6010C
Zinc		8.3	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86882-10	**MW-X**					
Aluminum		1430		200	ug/L	6010C
Barium		48.1	J	200	ug/L	6010C
Cadmium		164		4.0	ug/L	6010C
Calcium		19200		5000	ug/L	6010C
Chromium		36.2		10.0	ug/L	6010C
Copper		25.3		25.0	ug/L	6010C
Iron		2330		150	ug/L	6010C
Magnesium		2800	J	5000	ug/L	6010C
Manganese		60.4		15.0	ug/L	6010C
Nickel		188		40.0	ug/L	6010C
Potassium		3880	J	5000	ug/L	6010C
Sodium		17900		5000	ug/L	6010C
Vanadium		4.3	J	50.0	ug/L	6010C
Zinc		56.5		30.0	ug/L	6010C
460-86882-11	**MW-01S**					
Tetrachloroethene		0.14	J	1.0	ug/L	8260C
Aluminum		1060		200	ug/L	6010C
Barium		20.1	J	200	ug/L	6010C
Calcium		28200		5000	ug/L	6010C
Copper		11.4	J	25.0	ug/L	6010C
Iron		215		150	ug/L	6010C
Magnesium		4280	J	5000	ug/L	6010C
Manganese		13.3	J	15.0	ug/L	6010C
Potassium		2650	J	5000	ug/L	6010C
Sodium		20900		5000	ug/L	6010C
Zinc		21.2	J	30.0	ug/L	6010C
460-86882-12	**MW-01D1**					
Tetrachloroethene		0.24	J	1.0	ug/L	8260C
Aluminum		394		200	ug/L	6010C
Barium		45.4	J	200	ug/L	6010C
Calcium		12400		5000	ug/L	6010C
Copper		14.5	J	25.0	ug/L	6010C
Iron		304		150	ug/L	6010C
Magnesium		2650	J	5000	ug/L	6010C
Manganese		28.0		15.0	ug/L	6010C
Potassium		2760	J	5000	ug/L	6010C
Sodium		14500		5000	ug/L	6010C
Zinc		16.8	J	30.0	ug/L	6010C

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-86882-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-86882-1

Method	Analyst	Analyst ID
SW846 8260C	Desai, Saurab	SZD
SW846 6010C	Patel, Purva H	PHP
SW846 7470A	Sheikh, Razia B	RBS
SW846 7470A	Staib, Thomas	TJS

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-86882-1	MW-12S	Water	11/24/2014 1007	11/25/2014 1800
460-86882-2	MW-12D1	Water	11/24/2014 0935	11/25/2014 1800
460-86882-3	MW-14S	Water	11/24/2014 1040	11/25/2014 1800
460-86882-4	MW-14D1	Water	11/24/2014 1105	11/25/2014 1800
460-86882-5	MW-06D1	Water	11/24/2014 1137	11/25/2014 1800
460-86882-6	MW-06S	Water	11/24/2014 1200	11/25/2014 1800
460-86882-7	MW-05DI	Water	11/24/2014 1235	11/25/2014 1800
460-86882-8	MW-11S	Water	11/24/2014 1302	11/25/2014 1800
460-86882-9	MW-9S	Water	11/24/2014 1336	11/25/2014 1800
460-86882-10	MW-X	Water	11/24/2014 0000	11/25/2014 1800
460-86882-11	MW-01S	Water	11/24/2014 1415	11/25/2014 1800
460-86882-12	MW-01D1	Water	11/24/2014 1446	11/25/2014 1800

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-12S**

Lab Sample ID: 460-86882-1 Date Sampled: 11/24/2014 1007
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35878.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0926			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.77	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	108		64 - 135
Dibromofluoromethane (Surr)	106		72 - 137
Toluene-d8 (Surr)	102		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-12D1**

Lab Sample ID: 460-86882-2 Date Sampled: 11/24/2014 0935
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35879.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0951			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.14	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene	108		64 - 135
Dibromofluoromethane (Surr)	106		72 - 137
Toluene-d8 (Surr)	102		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-14S**

Lab Sample ID: 460-86882-3 Date Sampled: 11/24/2014 1040
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35880.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1016			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1016				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	0.16	J	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	0.53	J	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	0.16	J	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene	103		64 - 135
Dibromofluoromethane (Surr)	99		72 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-14D1**

Lab Sample ID: 460-86882-4 Date Sampled: 11/24/2014 1105
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35881.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1041			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1041				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene	100		64 - 135
Dibromofluoromethane (Surr)	99		72 - 137
Toluene-d8 (Surr)	96		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-06D1**

Lab Sample ID: 460-86882-5 Date Sampled: 11/24/2014 1137
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35882.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1106			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1106				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.40	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
4-Bromofluorobenzene	121		64 - 135
Dibromofluoromethane (Surr)	119		72 - 137
Toluene-d8 (Surr)	114		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-06S**

Lab Sample ID: 460-86882-6 Date Sampled: 11/24/2014 1200
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35883.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1131			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1131				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	0.20	J	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	2.0		0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	0.096	J	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene	102		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	100		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-05DI**

Lab Sample ID: 460-86882-7 Date Sampled: 11/24/2014 1235
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35884.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1156			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1156				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.42	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.26	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-11S**

Lab Sample ID: 460-86882-8 Date Sampled: 11/24/2014 1302
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35885.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1222			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1222				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	3.0		0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.81	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene	109		64 - 135
Dibromofluoromethane (Surr)	107		72 - 137
Toluene-d8 (Surr)	104		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-9S**

Lab Sample ID: 460-86882-9 Date Sampled: 11/24/2014 1336
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35886.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1247			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1247				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.66	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene	103		64 - 135
Dibromofluoromethane (Surr)	101		72 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-86882-10 Date Sampled: 11/24/2014 0000
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35887.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1312			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1312				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene	102		64 - 135
Dibromofluoromethane (Surr)	100		72 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-01S**

Lab Sample ID: 460-86882-11 Date Sampled: 11/24/2014 1415
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35888.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1337			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1337				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.14	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
4-Bromofluorobenzene	121		64 - 135
Dibromofluoromethane (Surr)	118		72 - 137
Toluene-d8 (Surr)	115		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-01D1**

Lab Sample ID: 460-86882-12 Date Sampled: 11/24/2014 1446
Client Matrix: Water Date Received: 11/25/2014 1800

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35889.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1402			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1402				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.24	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-12S**

Lab Sample ID: 460-86882-1 Date Sampled: 11/24/2014 1007
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1802			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	1280		73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	46.5	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	163		1.2	4.0
Calcium	19100		416	5000
Chromium	32.1		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	19.7	J	6.2	25.0
Iron	1980		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2730	J	355	5000
Manganese	48.7		4.3	15.0
Nickel	186		7.8	40.0
Potassium	3930	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	18300		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	55.5		5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1024			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-12D1**

Lab Sample ID: 460-86882-2 Date Sampled: 11/24/2014 0935
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1805			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	51.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	9.0		1.2	4.0
Calcium	14200		416	5000
Chromium	92.1		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	20.3	J	6.2	25.0
Iron	72.6	J	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2770	J	355	5000
Manganese	15.9		4.3	15.0
Nickel	9.2	J	7.8	40.0
Potassium	3320	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	15400		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	13.5	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1026			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-14S**

Lab Sample ID: 460-86882-3 Date Sampled: 11/24/2014 1040
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1809			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	33.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	38.5		1.2	4.0
Calcium	20300		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2970	J	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3990	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	15500		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1028			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-14D1**

Lab Sample ID: 460-86882-4 Date Sampled: 11/24/2014 1105
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1813			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	58.5	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	14100		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	203		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2640	J	355	5000
Manganese	15.6		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3410	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	17000		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1030			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-06D1**

Lab Sample ID: 460-86882-5 Date Sampled: 11/24/2014 1137
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1816			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	119	J	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	53.3	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	13300		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	265		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2960	J	355	5000
Manganese	13.2	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3440	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	18100		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	8.0	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1032			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-06S**

Lab Sample ID: 460-86882-6 Date Sampled: 11/24/2014 1200
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1820			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	39.3	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	123		1.2	4.0
Calcium	16300		416	5000
Chromium	46.8		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	8.4	J	6.2	25.0
Iron	110	J	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2900	J	355	5000
Manganese	4.9	J	4.3	15.0
Nickel	24.7	J	7.8	40.0
Potassium	3790	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	15300		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	24.4	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1034			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-05DI**

Lab Sample ID: 460-86882-7 Date Sampled: 11/24/2014 1235
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1824			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	125	J	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	58.6	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	2.2	J	1.2	4.0
Calcium	13600		416	5000
Chromium	8.1	J	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	181		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2810	J	355	5000
Manganese	70.3		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3660	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	17600		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	6.5	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1036			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-11S**

Lab Sample ID: 460-86882-8 Date Sampled: 11/24/2014 1302
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1828			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	25.5	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	17300		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	67.8	J	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2900	J	355	5000
Manganese	14.1	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2360	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	10500		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1042			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-9S**

Lab Sample ID: 460-86882-9 Date Sampled: 11/24/2014 1336
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1831			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	15.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	18500		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	3150	J	355	5000
Manganese	42.5		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3020	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	13600		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	8.3	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1044			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-86882-10 Date Sampled: 11/24/2014 0000
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1846			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	1430		73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	48.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	164		1.2	4.0
Calcium	19200		416	5000
Chromium	36.2		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.3		6.2	25.0
Iron	2330		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2800	J	355	5000
Manganese	60.4		4.3	15.0
Nickel	188		7.8	40.0
Potassium	3880	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	17900		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	4.3	J	4.2	50.0
Zinc	56.5		5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1047			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-01S**

Lab Sample ID: 460-86882-11 Date Sampled: 11/24/2014 1415
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1850			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	1060		73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	20.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	28200		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	11.4	J	6.2	25.0
Iron	215		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	4280	J	355	5000
Manganese	13.3	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2650	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	20900		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	21.2	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1049			Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86882-1

Client Sample ID: **MW-01D1**

Lab Sample ID: 460-86882-12 Date Sampled: 11/24/2014 1446
Client Matrix: Water Date Received: 11/25/2014 1800

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1854			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	394		73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	45.4	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	12400		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	14.5	J	6.2	25.0
Iron	304		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2650	J	355	5000
Manganese	28.0		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2760	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	14500		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	16.8	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1422			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
	H	Sample was prepped or analyzed beyond the specified holding time

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-86882-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-265918					
LCS 460-265918/3	Lab Control Sample	T	Water	8260C	
MB 460-265918/6	Method Blank	T	Water	8260C	
460-86882-1	MW-12S	T	Water	8260C	
460-86882-1MS	Matrix Spike	T	Water	8260C	
460-86882-1MSD	Matrix Spike Duplicate	T	Water	8260C	
460-86882-2	MW-12D1	T	Water	8260C	
460-86882-3	MW-14S	T	Water	8260C	
460-86882-4	MW-14D1	T	Water	8260C	
460-86882-5	MW-06D1	T	Water	8260C	
460-86882-6	MW-06S	T	Water	8260C	
460-86882-7	MW-05DI	T	Water	8260C	
460-86882-8	MW-11S	T	Water	8260C	
460-86882-9	MW-9S	T	Water	8260C	
460-86882-10	MW-X	T	Water	8260C	
460-86882-11	MW-01S	T	Water	8260C	
460-86882-12	MW-01D1	T	Water	8260C	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86882-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-270727					
LCS 460-270727/2-A	Lab Control Sample	T	Water	3010A	
MB 460-270727/1-A	Method Blank	T	Water	3010A	
460-86882-1	MW-12S	T	Water	3010A	
460-86882-2	MW-12D1	T	Water	3010A	
460-86882-3	MW-14S	T	Water	3010A	
460-86882-4	MW-14D1	T	Water	3010A	
460-86882-5	MW-06D1	T	Water	3010A	
460-86882-6	MW-06S	T	Water	3010A	
460-86882-7	MW-05DI	T	Water	3010A	
460-86882-8	MW-11S	T	Water	3010A	
460-86882-9	MW-9S	T	Water	3010A	
460-86882-10	MW-X	T	Water	3010A	
460-86882-11	MW-01S	T	Water	3010A	
460-86882-12	MW-01D1	T	Water	3010A	
460-88146-E-1-B DU	Duplicate	T	Water	3010A	
460-88146-E-1-C MS	Matrix Spike	T	Water	3010A	
Analysis Batch:460-270874					
LCS 460-270727/2-A	Lab Control Sample	T	Water	6010C	460-270727
MB 460-270727/1-A	Method Blank	T	Water	6010C	460-270727
460-86882-1	MW-12S	T	Water	6010C	460-270727
460-86882-2	MW-12D1	T	Water	6010C	460-270727
460-86882-3	MW-14S	T	Water	6010C	460-270727
460-86882-4	MW-14D1	T	Water	6010C	460-270727
460-86882-5	MW-06D1	T	Water	6010C	460-270727
460-86882-6	MW-06S	T	Water	6010C	460-270727
460-86882-7	MW-05DI	T	Water	6010C	460-270727
460-86882-8	MW-11S	T	Water	6010C	460-270727
460-86882-9	MW-9S	T	Water	6010C	460-270727
460-86882-10	MW-X	T	Water	6010C	460-270727
460-86882-11	MW-01S	T	Water	6010C	460-270727
460-86882-12	MW-01D1	T	Water	6010C	460-270727
460-88146-E-1-B DU	Duplicate	T	Water	6010C	460-270727
460-88146-E-1-C MS	Matrix Spike	T	Water	6010C	460-270727

Client: New York State D.E.C. Job Number: 460-86882-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-273345					
LCS 460-273345/11-A	Lab Control Sample	T	Water	7470A	
MB 460-273345/10-A	Method Blank	T	Water	7470A	
460-86882-1	MW-12S	T	Water	7470A	
460-86882-2	MW-12D1	T	Water	7470A	
460-86882-3	MW-14S	T	Water	7470A	
460-86882-4	MW-14D1	T	Water	7470A	
460-86882-5	MW-06D1	T	Water	7470A	
460-86882-6	MW-06S	T	Water	7470A	
460-86882-7	MW-05DI	T	Water	7470A	
460-86882-8	MW-11S	T	Water	7470A	
460-86882-9	MW-9S	T	Water	7470A	
460-86882-10	MW-X	T	Water	7470A	
460-86882-11	MW-01S	T	Water	7470A	
460-88534-G-1-C DU	Duplicate	T	Water	7470A	
460-88534-G-1-D MS	Matrix Spike	T	Water	7470A	
Analysis Batch:460-273425					
LCS 460-273345/11-A	Lab Control Sample	T	Water	7470A	460-273345
MB 460-273345/10-A	Method Blank	T	Water	7470A	460-273345
460-86882-1	MW-12S	T	Water	7470A	460-273345
460-86882-2	MW-12D1	T	Water	7470A	460-273345
460-86882-3	MW-14S	T	Water	7470A	460-273345
460-86882-4	MW-14D1	T	Water	7470A	460-273345
460-86882-5	MW-06D1	T	Water	7470A	460-273345
460-86882-6	MW-06S	T	Water	7470A	460-273345
460-86882-7	MW-05DI	T	Water	7470A	460-273345
460-86882-8	MW-11S	T	Water	7470A	460-273345
460-86882-9	MW-9S	T	Water	7470A	460-273345
460-86882-10	MW-X	T	Water	7470A	460-273345
460-86882-11	MW-01S	T	Water	7470A	460-273345
460-88534-G-1-C DU	Duplicate	T	Water	7470A	460-273345
460-88534-G-1-D MS	Matrix Spike	T	Water	7470A	460-273345
Prep Batch: 460-273580					
LCS 460-273580/2-A	Lab Control Sample	T	Water	7470A	
MB 460-273580/1-A	Method Blank	T	Water	7470A	
460-86882-12	MW-01D1	T	Water	7470A	
460-86937-D-1-C DU	Duplicate	T	Water	7470A	
460-86937-D-1-D MS	Matrix Spike	T	Water	7470A	

Client: New York State D.E.C. Job Number: 460-86882-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-273642					
LCS 460-273580/2-A	Lab Control Sample	T	Water	7470A	460-273580
MB 460-273580/1-A	Method Blank	T	Water	7470A	460-273580
460-86882-12	MW-01D1	T	Water	7470A	460-273580
460-86937-D-1-C DU	Duplicate	T	Water	7470A	460-273580
460-86937-D-1-D MS	Matrix Spike	T	Water	7470A	460-273580

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86882-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-86882-1	MW-12S	97	108	106	102
460-86882-2	MW-12D1	98	108	106	102
460-86882-3	MW-14S	92	103	99	97
460-86882-4	MW-14D1	92	100	99	96
460-86882-5	MW-06D1	110	121	119	114
460-86882-6	MW-06S	95	102	102	100
460-86882-7	MW-05DI	96	105	102	99
460-86882-8	MW-11S	99	109	107	104
460-86882-9	MW-9S	94	103	101	98
460-86882-10	MW-X	93	102	100	97
460-86882-11	MW-01S	110	121	118	115
460-86882-12	MW-01D1	96	105	102	99
MB 460-265918/6		93	104	101	98
LCS 460-265918/3		95	102	102	99
460-86882-1 MS	MW-12S MS	99	106	105	101
460-86882-1 MSD	MW-12S MSD	115	125	122	117

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: New York State D.E.C. Job Number: 460-86882-1

Method Blank - Batch: 460-265918

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-265918/6	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0901	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0901				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	70 - 130
4-Bromofluorobenzene	104	64 - 135
Dibromofluoromethane (Surr)	101	72 - 137
Toluene-d8 (Surr)	98	70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Control Sample - Batch: 460-265918

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-265918/3	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35874.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0745	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0745				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dichloropropane	20.0	17.0	85	70 - 120	
Carbon tetrachloride	20.0	19.1	95	58 - 150	
Chlorobenzene	20.0	17.9	90	77 - 120	
Chlorodibromomethane	20.0	17.7	89	63 - 131	
Chloroethane	20.0	18.0	90	58 - 145	
Chloroform	20.0	17.9	89	81 - 122	
Chloromethane	20.0	16.7	83	43 - 145	
cis-1,2-Dichloroethene	20.0	18.0	90	78 - 121	
cis-1,3-Dichloropropene	20.0	17.3	86	71 - 120	
Dichlorobromomethane	20.0	17.8	89	72 - 123	
Methylene Chloride	20.0	17.3	87	76 - 123	
Tetrachloroethene	20.0	19.0	95	70 - 136	
trans-1,2-Dichloroethene	20.0	17.4	87	79 - 120	
trans-1,3-Dichloropropene	20.0	17.4	87	71 - 123	
Trichloroethene	20.0	18.6	93	74 - 120	
Vinyl chloride	20.0	17.1	86	56 - 137	
1,1-Dichloroethene	20.0	17.1	85	71 - 123	
1,1-Dichloroethane	20.0	17.6	88	75 - 126	
1,1,1-Trichloroethane	20.0	18.1	90	73 - 134	
1,2-Dichloroethane	20.0	18.0	90	75 - 127	
1,1,2-Trichloroethane	20.0	16.4	82	68 - 121	
1,1,2,2-Tetrachloroethane	20.0	16.4	82	55 - 133	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 130
4-Bromofluorobenzene	102	64 - 135
Dibromofluoromethane (Surr)	102	72 - 137
Toluene-d8 (Surr)	99	70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-265918

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-86882-1	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35898.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1747			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1747				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-86882-1	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35899.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1812			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1812				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dichloropropane	81	95	70 - 120	15	30		
Carbon tetrachloride	88	109	58 - 150	21	30		
Chlorobenzene	86	100	77 - 120	15	30		
Chlorodibromomethane	86	101	63 - 131	16	30		
Chloroethane	105	120	58 - 145	13	30		
Chloroform	87	101	81 - 122	15	30		
Chloromethane	78	94	43 - 145	18	30		
cis-1,2-Dichloroethene	88	103	78 - 121	16	30		
cis-1,3-Dichloropropene	79	91	71 - 120	14	30		
Dichlorobromomethane	86	100	72 - 123	15	30		
Methylene Chloride	85	99	76 - 123	15	30		
Tetrachloroethene	86	106	70 - 136	21	30		
trans-1,2-Dichloroethene	84	101	79 - 120	18	30		
trans-1,3-Dichloropropene	79	92	71 - 123	15	30		
Trichloroethene	88	103	74 - 120	16	30		
Vinyl chloride	87	103	56 - 137	17	30		
1,1-Dichloroethene	82	99	71 - 123	19	30		
1,1-Dichloroethane	87	100	75 - 126	14	30		
1,1,1-Trichloroethane	88	105	73 - 134	18	30		
1,2-Dichloroethane	89	101	75 - 127	12	30		
1,1,2-Trichloroethane	81	95	68 - 121	15	30		
1,1,2,2-Tetrachloroethane	79	96	55 - 133	18	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	115	70 - 130
4-Bromofluorobenzene	106	125	64 - 135
Dibromofluoromethane (Surr)	105	122	72 - 137
Toluene-d8 (Surr)	101	117	70 - 130

Client: New York State D.E.C. Job Number: 460-86882-1

Method Blank - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 460-270727/1-A	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1728	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	200	U	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	5000	U	416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	5000	U	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	5000	U	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	5000	U	514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Client: New York State D.E.C. Job Number: 460-86882-1

Lab Control Sample - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-270727/2-A	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1732	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	2098	105	80 - 120	
Antimony	500	502.6	101	80 - 120	
Arsenic	2000	1964	98	80 - 120	
Barium	2000	2134	107	80 - 120	
Beryllium	50.0	52.36	105	80 - 120	
Cadmium	50.0	52.13	104	80 - 120	
Calcium	20000	20820	104	80 - 120	
Chromium	200	215.2	108	80 - 120	
Cobalt	500	516.5	103	80 - 120	
Copper	250	272.1	109	80 - 120	
Iron	1000	1089	109	80 - 120	
Lead	500	530.8	106	80 - 120	
Magnesium	20000	19540	98	80 - 120	
Manganese	500	557.3	111	80 - 120	
Nickel	500	527.4	105	80 - 120	
Potassium	20000	20920	105	80 - 120	
Selenium	2000	2061	103	80 - 120	
Silver	50.0	52.73	105	80 - 120	
Sodium	20000	21180	106	80 - 120	
Thallium	2000	2159	108	80 - 120	
Vanadium	500	545.5	109	80 - 120	
Zinc	500	512.7	103	80 - 120	

Client: New York State D.E.C. Job Number: 460-86882-1

Matrix Spike - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-88146-E-1-C MS	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1714	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	80.2	J	2000	2153	104	75 - 125	
Antimony	20.0	U	500	510.3	102	75 - 125	
Arsenic	15.0	U	2000	2003	100	75 - 125	
Barium	27.1	J	2000	2138	106	75 - 125	
Beryllium	2.0	U	50.0	51.70	103	75 - 125	
Cadmium	4.0	U	50.0	51.40	103	75 - 125	
Calcium	44800		20000	63730	95	75 - 125	
Chromium	10.0	U	200	209.8	105	75 - 125	
Cobalt	50.0	U	500	513.7	103	75 - 125	
Copper	25.0	U	250	272.6	109	75 - 125	
Iron	126	J	1000	1207	108	75 - 125	
Lead	10.0	U	500	520.9	104	75 - 125	
Magnesium	16100		20000	35070	95	75 - 125	
Manganese	71.3		500	606.7	107	75 - 125	
Nickel	40.0	U	500	522.6	105	75 - 125	
Potassium	1550	J	20000	22130	103	75 - 125	
Selenium	20.0	U	2000	2056	103	75 - 125	
Silver	10.0	U	50.0	52.39	105	75 - 125	
Sodium	79400		20000	98140	94	75 - 125	
Thallium	20.0	U	2000	2108	105	75 - 125	
Vanadium	50.0	U	500	536.4	107	75 - 125	
Zinc	30.0	U	500	514.8	103	75 - 125	

Client: New York State D.E.C. Job Number: 460-86882-1

Duplicate - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-88146-E-1-B DU	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1717	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	80.2	J	74.94	7	20	J
Antimony	20.0	U	20.0	NC	20	U
Arsenic	15.0	U	15.0	NC	20	U
Barium	27.1	J	26.08	4	20	J
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Calcium	44800		44340	0.9	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	126	J	130.0	3	20	J
Lead	10.0	U	10.0	NC	20	U
Magnesium	16100		15990	0.6	20	
Manganese	71.3		70.52	1	20	
Nickel	40.0	U	40.0	NC	20	U
Potassium	1550	J	1529	1	20	J
Selenium	20.0	U	20.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Sodium	79400		78590	1	20	
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	30.0	U	30.0	NC	20	U

Client: New York State D.E.C. Job Number: 460-86882-1

Method Blank - Batch: 460-273345

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-273345/10-A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 0953	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-273345

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-273345/11-A	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 0955	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.943	94	80 - 120	

Matrix Spike - Batch: 460-273345

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-88534-G-1-D MS	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1002	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	1.08	108	80 - 120	

Client: New York State D.E.C. Job Number: 460-86882-1

Duplicate - Batch: 460-273345

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-88534-G-1-C DU	Analysis Batch:	460-273425	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-273345	Lab File ID:	273344HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/05/2015 1000	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/05/2015 0520				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Client: New York State D.E.C. Job Number: 460-86882-1

Method Blank - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-273580/1-A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1356	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-273580/2-A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1358	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.948	95	80 - 120	

Matrix Spike - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-86937-D-1-D MS	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1403	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	0.991	99	80 - 120	

Client: New York State D.E.C. Job Number: 460-86882-1

Duplicate - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-86937-D-1-C DU	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1401	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY /

460-86882 Chain of Custody

New Durham Road
on, New Jersey 08817
ne: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice): PAT BENEDETTO

Samplers Name (Printed): Bruce & Dennis Vigliotta

Site/Project Identification: DEC - West Babylon 50

Company: Environmental Assessment & Remediation

P. O. #: SITE# 152029

State (Location of site): NJ: ☐ NY: ☒ Other:

Regulatory Program:

Address: 225 Atlantic Ave

Analysis Turnaround Time: Standard ☒ 30 day

Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐

City: Patchogue State: N.Y 11772

Phone: 631-447-6400 Fax:

LAB USE ONLY — Project No: — Job No: 86882

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	EPA METHOD 8260C	EPA METHOD 6010C									Sample Numbers
MW-12S	11/24/14	10:07	AQ	4	X	X									-1
MW-12D1	↓	9:35	↓	↓	↓	↓									-2
MW-14S	↓	10:40	↓	↓	↓	↓									-3
MW-14D1	↓	11:05	↓	↓	↓	↓									-4
MW-06D1	↓	11:37	↓	↓	↓	↓									-5
MW-06S	↓	12:00	↓	↓	↓	↓									-6
MW-05D1	↓	12:35	↓	↓	↓	↓									-7
MW-11S	↓	1:02	↓	↓	↓	↓									-8
MW-9S	↓	1:36	↓	↓	↓	↓									-9
MW-X	↓	—													-10
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:											
6 = Other _____, 7 = Other _____				Water:	2	4									

Special Instructions _____ Water Metals Filtered (Yes/No)? No

Relinquished by	Company	Date / Time	Received by	Company
Dennis Vigliotta	EAR	11/24/14 3:00	1) EAR Refrigerator	EAR
SAMPLE EAR FRIDGE	EAR	11-25-14 11:00	2) William A. Vigliotta	EAR
William A. Vigliotta	EAR	11-25-14 11:30	3) [signature]	TA
4) [signature]	T.A.	11/25/14 / 1830	4) [signature]	TA Ed 11/25/14 1800

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0814)

Massachusetts (M-NJ312), North Carolina (No. 578) 0.1 / 2.7 IR7 5 No C.I

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

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CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
PAT BENEDETTO	Bruce & Dennis Viglietta	DEC - West Babylon
Company	**P. O. #**	**State (Location of site):** NJ: ☐ NY: ☒ Other:
Environmental Assessment & Remediation	SITE # 152029	**Regulatory Program:**
Address	**Analysis Turnaround Time**	
225 Atlantic Ave	Standard ☒ 3-DAY	
City / **State**	Rush Charges Authorized For:	
Patchogue / NY 11772	2 Week ☐	
Phone / **Fax**	1 Week ☐	
631-447-6400	Other ☐	

Sample Identification	Date	Time	Matrix	No. of Cont.	EPA METHOD 8260C	EPA METHOD 6010C	LAB USE ONLY Project No: / Job No: 86187 — Sample Numbers
MW-01S	11/24/14	2:15	AQ	4	X	X	-11
MW-01D1	11/24/14	2:46	↓	4	X	X	-12
Trip Blank-1	11/24/14	—	↓	3	X		-13

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:
6 = Other _____, 7 = Other _____ — Water: 2 | 4

Special Instructions _____ Water Metals Filtered (Yes/No)? NO

Relinquished by	Company	Date / Time	Received by	Company
1) Dennis Viglietta	EAR	11/24/14 3:00	1) EAR Refrigerator	EAR
2) EAR FEDEX	EAR	11-25-14 1100	2) William A Viglietta	EAR
3) William A. Viglietta	EAR	11-25-14 11	3)	TA
4)	TA	11/25/14 18:00	4) Kim Morris	TA 11/25/14 1800

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0814)

Massachusetts (M-NJ312), North Carolina (No. 578)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 460852

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.7 °C	2.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											
10				<2											
11				<2											
12				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: N/A

Preservative Name/Conc.: N/A Volume of Preservative used (ml): N/A

Lot # of Preservative(s): N/A Expiration Date: N/A

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: ~ Date: 11/25/14

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-86882-1

Login Number: 86882

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	2.7°C, IR #5
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 containers received and the COC.	False	See NCM
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	False	See NCM
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

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ANALYTICAL REPORT

Job Number: 460-86937-1

Job Description: DEC West Babylon, NY,Spectrum,152029

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Mr. Lawrence M Thomas

Approved for release.
Sarah E Brown
Project Management Assistant II
1/6/2015 5:20 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
01/06/2015

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-86937-1

Job Description: DEC West Babylon, NY,Spectrum,152029

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Sarah E Brown
Project Management Assistant II
1/6/2015 5:20 PM

Designee for
Melissa Haas

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC West Babylon, NY,Spectrum,152029

Report Number: 460-86937-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/26/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Method 7470A was not listed on the COC but is required per the client.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples MW-02S (460-86937-1), MW-02D (460-86937-2), MW-03D (460-86937-3), MW-07D (460-86937-4), MW-04S (460-86937-5), MW-04D (460-86937-6), MW-16S (460-86937-7), MW-16DI (460-86937-8), MW-X (460-86937-9), Trip Blank (460-86937-10) and Equipment Blank (460-86937-11) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 11/29/2014 and 12/08/2014.

The continuing calibration verification (CCV) associated with batch 265918 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples MW-02S (460-86937-1), MW-02D (460-86937-2), MW-03D (460-86937-3), MW-07D (460-86937-4), MW-04S (460-86937-5), MW-04D (460-86937-6), MW-16S (460-86937-7), MW-16DI (460-86937-8) and MW-X (460-86937-9) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 12/20/2014 and 12/22/2014 and analyzed on 12/21/2014 and 12/24/2014.

No difficulties were encountered during the Metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-02S (460-86937-1), MW-02D (460-86937-2), MW-03D (460-86937-3), MW-07D (460-86937-4), MW-04S (460-86937-5), MW-04D (460-86937-6), MW-16S (460-86937-7), MW-16DI (460-86937-8) and MW-X (460-86937-9) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/06/2015.

The following samples were prepared outside of preparation holding time due to lab error: MW-02D (460-86937-2), MW-02S (460-86937-1), MW-03D (460-86937-3), MW-04D (460-86937-6), MW-04S (460-86937-5), MW-07D (460-86937-4), MW-16DI (460-86937-8), MW-16S (460-86937-7), MW-X (460-86937-9).

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86937-1	**MW-02S**					
cis-1,2-Dichloroethene		0.34	J	1.0	ug/L	8260C
Tetrachloroethene		2.1		1.0	ug/L	8260C
Barium		27.4	J	200	ug/L	6010C
Calcium		18100		5000	ug/L	6010C
Copper		11.8	J	25.0	ug/L	6010C
Iron		60.3	J	150	ug/L	6010C
Lead		5.2	J	10.0	ug/L	6010C
Magnesium		3620	J	5000	ug/L	6010C
Manganese		7.5	J	15.0	ug/L	6010C
Potassium		2090	J	5000	ug/L	6010C
Sodium		10700		5000	ug/L	6010C
460-86937-2	**MW-02D**					
Tetrachloroethene		0.15	J	1.0	ug/L	8260C
Trichloroethene		0.31	J	1.0	ug/L	8260C
Aluminum		102	J	200	ug/L	6010C
Barium		57.1	J	200	ug/L	6010C
Calcium		13900		5000	ug/L	6010C
Iron		386		150	ug/L	6010C
Magnesium		3050	J	5000	ug/L	6010C
Manganese		36.2		15.0	ug/L	6010C
Potassium		3350	J	5000	ug/L	6010C
Sodium		18000		5000	ug/L	6010C
460-86937-3	**MW-03D**					
Tetrachloroethene		0.62	J	1.0	ug/L	8260C
Trichloroethene		0.18	J	1.0	ug/L	8260C
Barium		125	J	200	ug/L	6010C
Calcium		17700		5000	ug/L	6010C
Magnesium		3990	J	5000	ug/L	6010C
Manganese		73.7		15.0	ug/L	6010C
Potassium		3660	J	5000	ug/L	6010C
Sodium		17400		5000	ug/L	6010C
Zinc		11.9	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86937-4	**MW-07D**					
Barium		45.6	J	200	ug/L	6010C
Calcium		18200		5000	ug/L	6010C
Iron		68.2	J	150	ug/L	6010C
Magnesium		3560	J	5000	ug/L	6010C
Potassium		2790	J	5000	ug/L	6010C
Sodium		13300		5000	ug/L	6010C
Zinc		17.3	J	30.0	ug/L	6010C
460-86937-5	**MW-04S**					
Tetrachloroethene		0.74	J	1.0	ug/L	8260C
Trichloroethene		0.14	J	1.0	ug/L	8260C
Barium		19.5	J	200	ug/L	6010C
Cadmium		35.5		4.0	ug/L	6010C
Calcium		15500		5000	ug/L	6010C
Chromium		16.8		10.0	ug/L	6010C
Copper		19.8	J	25.0	ug/L	6010C
Magnesium		2500	J	5000	ug/L	6010C
Nickel		16.4	J	40.0	ug/L	6010C
Potassium		1890	J	5000	ug/L	6010C
Sodium		4120	J	5000	ug/L	6010C
Zinc		26.1	J	30.0	ug/L	6010C
460-86937-6	**MW-04D**					
Trichloroethene		0.25	J	1.0	ug/L	8260C
Barium		61.1	J	200	ug/L	6010C
Cadmium		1.2	J	4.0	ug/L	6010C
Calcium		13900		5000	ug/L	6010C
Chromium		17.5		10.0	ug/L	6010C
Copper		8.3	J	25.0	ug/L	6010C
Magnesium		3450	J	5000	ug/L	6010C
Manganese		9.5	J	15.0	ug/L	6010C
Potassium		2960	J	5000	ug/L	6010C
Sodium		16100		5000	ug/L	6010C
Zinc		11.2	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86937-7	**MW-16S**					
Trichloroethene		0.24	J	1.0	ug/L	8260C
Aluminum		89.3	J	200	ug/L	6010C
Barium		44.3	J	200	ug/L	6010C
Calcium		24200		5000	ug/L	6010C
Iron		139	J	150	ug/L	6010C
Lead		5.0	J	10.0	ug/L	6010C
Magnesium		3640	J	5000	ug/L	6010C
Manganese		11.3	J	15.0	ug/L	6010C
Potassium		2630	J	5000	ug/L	6010C
Sodium		11700		5000	ug/L	6010C
460-86937-8	**MW-16DI**					
Chloroform		0.14	J	1.0	ug/L	8260C
Trichloroethene		1.4		1.0	ug/L	8260C
1,1-Dichloroethene		0.14	J	1.0	ug/L	8260C
1,1,1-Trichloroethane		0.68	J	1.0	ug/L	8260C
Aluminum		139	J	200	ug/L	6010C
Barium		40.5	J	200	ug/L	6010C
Calcium		15700		5000	ug/L	6010C
Iron		233		150	ug/L	6010C
Lead		7.1	J	10.0	ug/L	6010C
Magnesium		4380	J	5000	ug/L	6010C
Manganese		10.0	J	15.0	ug/L	6010C
Potassium		1530	J	5000	ug/L	6010C
Sodium		15700		5000	ug/L	6010C
Zinc		7.4	J	30.0	ug/L	6010C
460-86937-9	**MW-X**					
Tetrachloroethene		0.71	J	1.0	ug/L	8260C
Trichloroethene		0.13	J	1.0	ug/L	8260C
1,1,1-Trichloroethane		0.12	J	1.0	ug/L	8260C
Barium		20.7	J	200	ug/L	6010C
Cadmium		37.8		4.0	ug/L	6010C
Calcium		16600		5000	ug/L	6010C
Chromium		17.8		10.0	ug/L	6010C
Copper		20.8	J	25.0	ug/L	6010C
Magnesium		2680	J	5000	ug/L	6010C
Nickel		17.2	J	40.0	ug/L	6010C
Potassium		1990	J	5000	ug/L	6010C
Sodium		4450	J	5000	ug/L	6010C
Zinc		27.1	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86937-10TB	**TRIP BLANK**					
Methylene Chloride		0.57	J	1.0	ug/L	8260C

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-86937-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-86937-1

Method	Analyst	Analyst ID
SW846 8260C	Desai, Saurab	SZD
SW846 8260C	Moroney, Christopher J	CJM
SW846 6010C	Huang, Yixin	YZH
SW846 6010C	Patel, Purva H	PHP
SW846 7470A	Sheikh, Razia B	RBS

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-86937-1	MW-02S	Water	11/25/2014 0840	11/26/2014 1530
460-86937-2	MW-02D	Water	11/25/2014 0905	11/26/2014 1530
460-86937-3	MW-03D	Water	11/25/2014 0933	11/26/2014 1530
460-86937-4	MW-07D	Water	11/25/2014 1017	11/26/2014 1530
460-86937-5	MW-04S	Water	11/25/2014 1040	11/26/2014 1530
460-86937-6	MW-04D	Water	11/25/2014 1108	11/26/2014 1530
460-86937-7	MW-16S	Water	11/25/2014 1155	11/26/2014 1530
460-86937-8	MW-16DI	Water	11/25/2014 1250	11/26/2014 1530
460-86937-9	MW-X	Water	11/25/2014 0000	11/26/2014 1530
460-86937-10TB	Trip Blank	Water	11/25/2014 1250	11/26/2014 1530
460-86937-11EB	Equipment Blank	Water	11/25/2014 0000	11/26/2014 1530

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-02S**

Lab Sample ID: 460-86937-1 Date Sampled: 11/25/2014 0840
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35890.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1427			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1427				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	0.34	J	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	2.1		0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-02D**

Lab Sample ID: 460-86937-2 Date Sampled: 11/25/2014 0905
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35891.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1452			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1452				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.15	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.31	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	103		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-03D**

Lab Sample ID: 460-86937-3 Date Sampled: 11/25/2014 0933
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35892.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1517			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.62	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.18	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	101		72 - 137
Toluene-d8 (Surr)	100		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-07D**

Lab Sample ID: 460-86937-4 Date Sampled: 11/25/2014 1017
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35893.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1542			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1542				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
4-Bromofluorobenzene	121		64 - 135
Dibromofluoromethane (Surr)	119		72 - 137
Toluene-d8 (Surr)	115		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-04S**

Lab Sample ID: 460-86937-5 Date Sampled: 11/25/2014 1040
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35894.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1607			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1607				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.74	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.14	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	103		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-04D**

Lab Sample ID: 460-86937-6 Date Sampled: 11/25/2014 1108
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35895.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1632			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1632				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.25	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	105		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	100		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-16S**

Lab Sample ID: 460-86937-7 Date Sampled: 11/25/2014 1155
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35896.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1657			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1657				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.24	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene	102		64 - 135
Dibromofluoromethane (Surr)	100		72 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-16DI**

Lab Sample ID: 460-86937-8 Date Sampled: 11/25/2014 1250
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E35897.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1722			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1722				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	0.14	J	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.4		0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	0.14	J	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	0.68	J	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	102		64 - 135
Dibromofluoromethane (Surr)	100		72 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-86937-9 Date Sampled: 11/25/2014 0000
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E36167.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 1733			Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 1733				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	0.71	J	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	0.13	J	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	0.12	J	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene	90		64 - 135
Dibromofluoromethane (Surr)	82		72 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-86937-10TB Date Sampled: 11/25/2014 1250
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E36165.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 1643			Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 1643				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	0.57	J	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene	93		64 - 135
Dibromofluoromethane (Surr)	85		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 460-86937-11EB Date Sampled: 11/25/2014 0000
Client Matrix: Water Date Received: 11/26/2014 1530

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E36166.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 1708			Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 1708				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene	92		64 - 135
Dibromofluoromethane (Surr)	83		72 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-02S**

Lab Sample ID: 460-86937-1 Date Sampled: 11/25/2014 0840
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1857			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	27.4	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	18100		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	11.8	J	6.2	25.0
Iron	60.3	J	51.4	150
Lead	5.2	J	4.6	10.0
Magnesium	3620	J	355	5000
Manganese	7.5	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2090	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	10700		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1359			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-02D**

Lab Sample ID: 460-86937-2 Date Sampled: 11/25/2014 0905
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-270874	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1901			Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	102	J	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	57.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	13900		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	386		51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	3050	J	355	5000
Manganese	36.2		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3350	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	18000		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1431			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-03D**

Lab Sample ID: 460-86937-3 Date Sampled: 11/25/2014 0933
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0327			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	125	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	17700		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	3990	J	355	5000
Manganese	73.7		4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	3660	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	17400		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	11.9	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1437			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-07D**

Lab Sample ID: 460-86937-4 Date Sampled: 11/25/2014 1017
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0207			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	45.6	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	18200		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	68.2	J	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	3560	J	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2790	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	13300		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	17.3	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1439			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-04S**

Lab Sample ID: 460-86937-5 Date Sampled: 11/25/2014 1040
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0331			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	19.5	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	35.5		1.2	4.0
Calcium	15500		416	5000
Chromium	16.8		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	19.8	J	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2500	J	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	16.4	J	7.8	40.0
Potassium	1890	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	4120	J	514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	26.1	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1441			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-04D**

Lab Sample ID: 460-86937-6 Date Sampled: 11/25/2014 1108
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0334			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	61.1	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	1.2	J	1.2	4.0
Calcium	13900		416	5000
Chromium	17.5		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	8.3	J	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	3450	J	355	5000
Manganese	9.5	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2960	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	16100		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	11.2	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1443			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-16S**

Lab Sample ID: 460-86937-7 Date Sampled: 11/25/2014 1155
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0338			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	89.3	J	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	44.3	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	24200		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	139	J	51.4	150
Lead	5.0	J	4.6	10.0
Magnesium	3640	J	355	5000
Manganese	11.3	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	2630	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	11700		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1445			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-16DI**

Lab Sample ID: 460-86937-8 Date Sampled: 11/25/2014 1250
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0342			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	139	J	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	40.5	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	15700		416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	233		51.4	150
Lead	7.1	J	4.6	10.0
Magnesium	4380	J	355	5000
Manganese	10.0	J	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	1530	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	15700		514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	7.4	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1446			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

Client: New York State D.E.C. Job Number: 460-86937-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-86937-9 Date Sampled: 11/25/2014 0000
Client Matrix: Water Date Received: 11/26/2014 1530

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-271645	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0346			Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	20.7	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	37.8		1.2	4.0
Calcium	16600		416	5000
Chromium	17.8		4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	20.8	J	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	2680	J	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	17.2	J	7.8	40.0
Potassium	1990	J	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	4450	J	514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	27.1	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1448			Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U H	0.16	0.20

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
	H	Sample was prepped or analyzed beyond the specified holding time

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-86937-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-265918					
LCS 460-265918/3	Lab Control Sample	T	Water	8260C	
MB 460-265918/6	Method Blank	T	Water	8260C	
460-86882-A-1 MS	Matrix Spike	T	Water	8260C	
460-86882-A-1 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-86937-1	MW-02S	T	Water	8260C	
460-86937-2	MW-02D	T	Water	8260C	
460-86937-3	MW-03D	T	Water	8260C	
460-86937-4	MW-07D	T	Water	8260C	
460-86937-5	MW-04S	T	Water	8260C	
460-86937-6	MW-04D	T	Water	8260C	
460-86937-7	MW-16S	T	Water	8260C	
460-86937-8	MW-16DI	T	Water	8260C	
Analysis Batch:460-267677					
LCS 460-267677/4	Lab Control Sample	T	Water	8260C	
LCSD 460-267677/5	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-267677/7	Method Blank	T	Water	8260C	
460-86937-9	MW-X	T	Water	8260C	
460-86937-10TB	Trip Blank	T	Water	8260C	
460-86937-11EB	Equipment Blank	T	Water	8260C	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86937-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-270727					
LCS 460-270727/2-A	Lab Control Sample	T	Water	3010A	
MB 460-270727/1-A	Method Blank	T	Water	3010A	
460-86937-1	MW-02S	T	Water	3010A	
460-86937-2	MW-02D	T	Water	3010A	
460-88146-E-1-B DU	Duplicate	T	Water	3010A	
460-88146-E-1-C MS	Matrix Spike	T	Water	3010A	
Analysis Batch:460-270874					
LCS 460-270727/2-A	Lab Control Sample	T	Water	6010C	460-270727
MB 460-270727/1-A	Method Blank	T	Water	6010C	460-270727
460-86937-1	MW-02S	T	Water	6010C	460-270727
460-86937-2	MW-02D	T	Water	6010C	460-270727
460-88146-E-1-B DU	Duplicate	T	Water	6010C	460-270727
460-88146-E-1-C MS	Matrix Spike	T	Water	6010C	460-270727
Prep Batch: 460-271177					
LCS 460-271177/2-A	Lab Control Sample	T	Water	3010A	
MB 460-271177/1-A	Method Blank	T	Water	3010A	
460-86937-3	MW-03D	T	Water	3010A	
460-86937-4	MW-07D	T	Water	3010A	
460-86937-4DU	Duplicate	T	Water	3010A	
460-86937-4MS	Matrix Spike	T	Water	3010A	
460-86937-5	MW-04S	T	Water	3010A	
460-86937-6	MW-04D	T	Water	3010A	
460-86937-7	MW-16S	T	Water	3010A	
460-86937-8	MW-16DI	T	Water	3010A	
460-86937-9	MW-X	T	Water	3010A	
Analysis Batch:460-271645					
LCS 460-271177/2-A	Lab Control Sample	T	Water	6010C	460-271177
MB 460-271177/1-A	Method Blank	T	Water	6010C	460-271177
460-86937-3	MW-03D	T	Water	6010C	460-271177
460-86937-4	MW-07D	T	Water	6010C	460-271177
460-86937-4DU	Duplicate	T	Water	6010C	460-271177
460-86937-4MS	Matrix Spike	T	Water	6010C	460-271177
460-86937-5	MW-04S	T	Water	6010C	460-271177
460-86937-6	MW-04D	T	Water	6010C	460-271177
460-86937-7	MW-16S	T	Water	6010C	460-271177
460-86937-8	MW-16DI	T	Water	6010C	460-271177
460-86937-9	MW-X	T	Water	6010C	460-271177

Client: New York State D.E.C. Job Number: 460-86937-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-273580					
LCS 460-273580/2-A	Lab Control Sample	T	Water	7470A	
MB 460-273580/1-A	Method Blank	T	Water	7470A	
460-86937-1	MW-02S	T	Water	7470A	
460-86937-1DU	Duplicate	T	Water	7470A	
460-86937-1MS	Matrix Spike	T	Water	7470A	
460-86937-2	MW-02D	T	Water	7470A	
460-86937-3	MW-03D	T	Water	7470A	
460-86937-4	MW-07D	T	Water	7470A	
460-86937-5	MW-04S	T	Water	7470A	
460-86937-6	MW-04D	T	Water	7470A	
460-86937-7	MW-16S	T	Water	7470A	
460-86937-8	MW-16DI	T	Water	7470A	
460-86937-9	MW-X	T	Water	7470A	
Analysis Batch:460-273642					
LCS 460-273580/2-A	Lab Control Sample	T	Water	7470A	460-273580
MB 460-273580/1-A	Method Blank	T	Water	7470A	460-273580
460-86937-1	MW-02S	T	Water	7470A	460-273580
460-86937-1DU	Duplicate	T	Water	7470A	460-273580
460-86937-1MS	Matrix Spike	T	Water	7470A	460-273580
460-86937-2	MW-02D	T	Water	7470A	460-273580
460-86937-3	MW-03D	T	Water	7470A	460-273580
460-86937-4	MW-07D	T	Water	7470A	460-273580
460-86937-5	MW-04S	T	Water	7470A	460-273580
460-86937-6	MW-04D	T	Water	7470A	460-273580
460-86937-7	MW-16S	T	Water	7470A	460-273580
460-86937-8	MW-16DI	T	Water	7470A	460-273580
460-86937-9	MW-X	T	Water	7470A	460-273580

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86937-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-86937-1	MW-02S	96	105	102	99
460-86937-2	MW-02D	97	103	102	99
460-86937-3	MW-03D	96	105	101	100
460-86937-4	MW-07D	110	121	119	115
460-86937-5	MW-04S	97	105	103	101
460-86937-6	MW-04D	97	105	102	100
460-86937-7	MW-16S	95	102	100	97
460-86937-8	MW-16DI	96	102	100	98
460-86937-9	MW-X	86	90	82	97
460-86937-10	Trip Blank	88	93	85	101
460-86937-11	Equipment Blank	86	92	83	98
MB 460-265918/6		93	104	101	98
MB 460-267677/7		87	90	82	99
LCS 460-265918/3		95	102	102	99
LCS 460-267677/4		89	91	85	100
LCSD 460-267677/5		89	91	84	97
460-86882-A-1 MS		99	106	105	101
460-86882-A-1 MSD		115	125	122	117

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: New York State D.E.C. Job Number: 460-86937-1

Method Blank - Batch: 460-265918

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-265918/6	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0901	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0901				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	70 - 130
4-Bromofluorobenzene	104	64 - 135
Dibromofluoromethane (Surr)	101	72 - 137
Toluene-d8 (Surr)	98	70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Control Sample - Batch: 460-265918

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-265918/3	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35874.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 0745	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 0745				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dichloropropane	20.0	17.0	85	70 - 120	
Carbon tetrachloride	20.0	19.1	95	58 - 150	
Chlorobenzene	20.0	17.9	90	77 - 120	
Chlorodibromomethane	20.0	17.7	89	63 - 131	
Chloroethane	20.0	18.0	90	58 - 145	
Chloroform	20.0	17.9	89	81 - 122	
Chloromethane	20.0	16.7	83	43 - 145	
cis-1,2-Dichloroethene	20.0	18.0	90	78 - 121	
cis-1,3-Dichloropropene	20.0	17.3	86	71 - 120	
Dichlorobromomethane	20.0	17.8	89	72 - 123	
Methylene Chloride	20.0	17.3	87	76 - 123	
Tetrachloroethene	20.0	19.0	95	70 - 136	
trans-1,2-Dichloroethene	20.0	17.4	87	79 - 120	
trans-1,3-Dichloropropene	20.0	17.4	87	71 - 123	
Trichloroethene	20.0	18.6	93	74 - 120	
Vinyl chloride	20.0	17.1	86	56 - 137	
1,1-Dichloroethene	20.0	17.1	85	71 - 123	
1,1-Dichloroethane	20.0	17.6	88	75 - 126	
1,1,1-Trichloroethane	20.0	18.1	90	73 - 134	
1,2-Dichloroethane	20.0	18.0	90	75 - 127	
1,1,2-Trichloroethane	20.0	16.4	82	68 - 121	
1,1,2,2-Tetrachloroethane	20.0	16.4	82	55 - 133	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 130
4-Bromofluorobenzene	102	64 - 135
Dibromofluoromethane (Surr)	102	72 - 137
Toluene-d8 (Surr)	99	70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-265918

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-86882-A-1 MS	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35898.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1747			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1747				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-86882-A-1 MSD	Analysis Batch:	460-265918	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E35899.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2014 1812			Final Weight/Volume:	5 mL
Prep Date:	11/29/2014 1812				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dichloropropane	81	95	70 - 120	15	30		
Carbon tetrachloride	88	109	58 - 150	21	30		
Chlorobenzene	86	100	77 - 120	15	30		
Chlorodibromomethane	86	101	63 - 131	16	30		
Chloroethane	105	120	58 - 145	13	30		
Chloroform	87	101	81 - 122	15	30		
Chloromethane	78	94	43 - 145	18	30		
cis-1,2-Dichloroethene	88	103	78 - 121	16	30		
cis-1,3-Dichloropropene	79	91	71 - 120	14	30		
Dichlorobromomethane	86	100	72 - 123	15	30		
Methylene Chloride	85	99	76 - 123	15	30		
Tetrachloroethene	86	106	70 - 136	21	30		
trans-1,2-Dichloroethene	84	101	79 - 120	18	30		
trans-1,3-Dichloropropene	79	92	71 - 123	15	30		
Trichloroethene	88	103	74 - 120	16	30		
Vinyl chloride	87	103	56 - 137	17	30		
1,1-Dichloroethene	82	99	71 - 123	19	30		
1,1-Dichloroethane	87	100	75 - 126	14	30		
1,1,1-Trichloroethane	88	105	73 - 134	18	30		
1,2-Dichloroethane	89	101	75 - 127	12	30		
1,1,2-Trichloroethane	81	95	68 - 121	15	30		
1,1,2,2-Tetrachloroethane	79	96	55 - 133	18	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	115	70 - 130
4-Bromofluorobenzene	106	125	64 - 135
Dibromofluoromethane (Surr)	105	122	72 - 137
Toluene-d8 (Surr)	101	117	70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Method Blank - Batch: 460-267677

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-267677/7	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E36147.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 0911	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 0911				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloropropane	1.0	U	0.090	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Methylene Chloride	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	70 - 130
4-Bromofluorobenzene	90	64 - 135
Dibromofluoromethane (Surr)	82	72 - 137
Toluene-d8 (Surr)	99	70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-267677

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-267677/4	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E36144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 0724	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 0724				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-267677/5	Analysis Batch:	460-267677	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E36145.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2014 0749	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2014 0749				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dichloropropane	101	100	70 - 120	1	30		
Carbon tetrachloride	89	90	58 - 150	0	30		
Chlorobenzene	95	92	77 - 120	3	30		
Chlorodibromomethane	81	78	63 - 131	4	30		
Chloroethane	94	98	58 - 145	4	30		
Chloroform	96	96	81 - 122	0	30		
Chloromethane	102	107	43 - 145	5	30		
cis-1,2-Dichloroethene	95	93	78 - 121	3	30		
cis-1,3-Dichloropropene	101	97	71 - 120	4	30		
Dichlorobromomethane	92	89	72 - 123	4	30		
Methylene Chloride	91	92	76 - 123	0	30		
Tetrachloroethene	83	79	70 - 136	5	30		
trans-1,2-Dichloroethene	91	89	79 - 120	2	30		
trans-1,3-Dichloropropene	99	96	71 - 123	4	30		
Trichloroethene	99	96	74 - 120	3	30		
Vinyl chloride	102	105	56 - 137	3	30		
1,1-Dichloroethene	92	92	71 - 123	0	30		
1,1-Dichloroethane	103	100	75 - 126	3	30		
1,1,1-Trichloroethane	94	93	73 - 134	1	30		
1,2-Dichloroethane	100	99	75 - 127	1	30		
1,1,2-Trichloroethane	97	94	68 - 121	3	30		
1,1,2,2-Tetrachloroethane	112	110	55 - 133	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	89	70 - 130
4-Bromofluorobenzene	91	91	64 - 135
Dibromofluoromethane (Surr)	85	84	72 - 137
Toluene-d8 (Surr)	100	97	70 - 130

Client: New York State D.E.C. Job Number: 460-86937-1

Method Blank - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 460-270727/1-A	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1728	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	200	U	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	5000	U	416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	5000	U	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	5000	U	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	5000	U	514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Control Sample - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-270727/2-A	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1732	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	2098	105	80 - 120	
Antimony	500	502.6	101	80 - 120	
Arsenic	2000	1964	98	80 - 120	
Barium	2000	2134	107	80 - 120	
Beryllium	50.0	52.36	105	80 - 120	
Cadmium	50.0	52.13	104	80 - 120	
Calcium	20000	20820	104	80 - 120	
Chromium	200	215.2	108	80 - 120	
Cobalt	500	516.5	103	80 - 120	
Copper	250	272.1	109	80 - 120	
Iron	1000	1089	109	80 - 120	
Lead	500	530.8	106	80 - 120	
Magnesium	20000	19540	98	80 - 120	
Manganese	500	557.3	111	80 - 120	
Nickel	500	527.4	105	80 - 120	
Potassium	20000	20920	105	80 - 120	
Selenium	2000	2061	103	80 - 120	
Silver	50.0	52.73	105	80 - 120	
Sodium	20000	21180	106	80 - 120	
Thallium	2000	2159	108	80 - 120	
Vanadium	500	545.5	109	80 - 120	
Zinc	500	512.7	103	80 - 120	

Client: New York State D.E.C. Job Number: 460-86937-1

Matrix Spike - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-88146-E-1-C MS	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1714	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	80.2	J	2000	2153	104	75 - 125	
Antimony	20.0	U	500	510.3	102	75 - 125	
Arsenic	15.0	U	2000	2003	100	75 - 125	
Barium	27.1	J	2000	2138	106	75 - 125	
Beryllium	2.0	U	50.0	51.70	103	75 - 125	
Cadmium	4.0	U	50.0	51.40	103	75 - 125	
Calcium	44800		20000	63730	95	75 - 125	
Chromium	10.0	U	200	209.8	105	75 - 125	
Cobalt	50.0	U	500	513.7	103	75 - 125	
Copper	25.0	U	250	272.6	109	75 - 125	
Iron	126	J	1000	1207	108	75 - 125	
Lead	10.0	U	500	520.9	104	75 - 125	
Magnesium	16100		20000	35070	95	75 - 125	
Manganese	71.3		500	606.7	107	75 - 125	
Nickel	40.0	U	500	522.6	105	75 - 125	
Potassium	1550	J	20000	22130	103	75 - 125	
Selenium	20.0	U	2000	2056	103	75 - 125	
Silver	10.0	U	50.0	52.39	105	75 - 125	
Sodium	79400		20000	98140	94	75 - 125	
Thallium	20.0	U	2000	2108	105	75 - 125	
Vanadium	50.0	U	500	536.4	107	75 - 125	
Zinc	30.0	U	500	514.8	103	75 - 125	

Client: New York State D.E.C. Job Number: 460-86937-1

Duplicate - Batch: 460-270727

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-88146-E-1-B DU	Analysis Batch:	460-270874	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-270727	Lab File ID:	12212014.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/21/2014 1717	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2014 2007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	80.2	J	74.94	7	20	J
Antimony	20.0	U	20.0	NC	20	U
Arsenic	15.0	U	15.0	NC	20	U
Barium	27.1	J	26.08	4	20	J
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Calcium	44800		44340	0.9	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	126	J	130.0	3	20	J
Lead	10.0	U	10.0	NC	20	U
Magnesium	16100		15990	0.6	20	
Manganese	71.3		70.52	1	20	
Nickel	40.0	U	40.0	NC	20	U
Potassium	1550	J	1529	1	20	J
Selenium	20.0	U	20.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Sodium	79400		78590	1	20	
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	30.0	U	30.0	NC	20	U

Client: New York State D.E.C. Job Number: 460-86937-1

Method Blank - Batch: 460-271177

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 460-271177/1-A	Analysis Batch:	460-271645	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0156	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	73.6	200
Antimony	20.0	U	5.4	20.0
Arsenic	15.0	U	4.3	15.0
Barium	200	U	6.5	200
Beryllium	2.0	U	1.1	2.0
Cadmium	4.0	U	1.2	4.0
Calcium	5000	U	416	5000
Chromium	10.0	U	4.6	10.0
Cobalt	50.0	U	3.8	50.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Lead	10.0	U	4.6	10.0
Magnesium	5000	U	355	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	7.8	40.0
Potassium	5000	U	281	5000
Selenium	20.0	U	6.7	20.0
Silver	10.0	U	1.9	10.0
Sodium	5000	U	514	5000
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Client: New York State D.E.C. Job Number: 460-86937-1

Lab Control Sample - Batch: 460-271177

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-271177/2-A	Analysis Batch:	460-271645	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0200	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1907	95	80 - 120	
Antimony	500	486.8	97	80 - 120	
Arsenic	2000	1950	98	80 - 120	
Barium	2000	2139	107	80 - 120	
Beryllium	50.0	48.38	97	80 - 120	
Cadmium	50.0	52.32	105	80 - 120	
Calcium	20000	19260	96	80 - 120	
Chromium	200	201.3	101	80 - 120	
Cobalt	500	525.5	105	80 - 120	
Copper	250	243.8	98	80 - 120	
Iron	1000	954.7	95	80 - 120	
Lead	500	533.2	107	80 - 120	
Magnesium	20000	20050	100	80 - 120	
Manganese	500	520.2	104	80 - 120	
Nickel	500	546.7	109	80 - 120	
Potassium	20000	18980	95	80 - 120	
Selenium	2000	1957	98	80 - 120	
Silver	50.0	49.30	99	80 - 120	
Sodium	20000	19160	96	80 - 120	
Thallium	2000	2243	112	80 - 120	
Vanadium	500	495.4	99	80 - 120	
Zinc	500	523.7	105	80 - 120	

Client: New York State D.E.C. Job Number: 460-86937-1

Matrix Spike - Batch: 460-271177

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-86937-4	Analysis Batch:	460-271645	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0227	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	2043	102	75 - 125	
Antimony	20.0	U	500	508.3	102	75 - 125	
Arsenic	15.0	U	2000	2042	102	75 - 125	
Barium	45.6	J	2000	2265	111	75 - 125	
Beryllium	2.0	U	50.0	50.62	101	75 - 125	
Cadmium	4.0	U	50.0	54.54	109	75 - 125	
Calcium	18200		20000	38730	103	75 - 125	
Chromium	10.0	U	200	209.4	105	75 - 125	
Cobalt	50.0	U	500	543.5	109	75 - 125	
Copper	25.0	U	250	254.5	102	75 - 125	
Iron	68.2	J	1000	1055	99	75 - 125	
Lead	10.0	U	500	553.8	111	75 - 125	
Magnesium	3560	J	20000	24290	104	75 - 125	
Manganese	15.0	U	500	539.1	108	75 - 125	
Nickel	40.0	U	500	566.3	113	75 - 125	
Potassium	2790	J	20000	22680	99	75 - 125	
Selenium	20.0	U	2000	2028	101	75 - 125	
Silver	10.0	U	50.0	51.94	104	75 - 125	
Sodium	13300		20000	34400	106	75 - 125	
Thallium	20.0	U	2000	2301	115	75 - 125	
Vanadium	50.0	U	500	513.9	103	75 - 125	
Zinc	17.3	J	500	559.6	108	75 - 125	

Client: New York State D.E.C. Job Number: 460-86937-1

Duplicate - Batch: 460-271177

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-86937-4	Analysis Batch:	460-271645	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-271177	Lab File ID:	271275.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/24/2014 0204	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/22/2014 2237				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	200	U	200	NC	20	U
Antimony	20.0	U	20.0	NC	20	U
Arsenic	15.0	U	15.0	NC	20	U
Barium	45.6	J	45.55	0.2	20	J
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Calcium	18200		18030	0.8	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	68.2	J	69.51	2	20	J
Lead	10.0	U	10.0	NC	20	U
Magnesium	3560	J	3533	0.6	20	J
Manganese	15.0	U	15.0	NC	20	U
Nickel	40.0	U	40.0	NC	20	U
Potassium	2790	J	2778	0.4	20	J
Selenium	20.0	U	20.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Sodium	13300		13200	0.6	20	
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	17.3	J	17.41	0.7	20	J

Client: New York State D.E.C. Job Number: 460-86937-1

Method Blank - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-273580/1-A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1356	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-273580/2-A	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1358	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.948	95	80 - 120	

Matrix Spike - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-86937-1	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1403	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	0.991	99	80 - 120	

Client: New York State D.E.C. Job Number: 460-86937-1

Duplicate - Batch: 460-273580

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-86937-1	Analysis Batch:	460-273642	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-273580	Lab File ID:	273580.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	01/06/2015 1401	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	01/06/2015 1007				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): PAT BENEDETTO	Samplers Name (Printed): Bruce + DENNIS VIGLIOTTA	Site/Project Identification: DEC - WEST BABYLON 50
Company: ENVIRONMENTAL ASSESSMENT + REMEDIATION	P. O. #: SAP # 152029	State (Location of site): NJ: ☑ NY: ☐ Other:
		Regulatory Program:
Address: 225 ATLANTIC AVE	Analysis Turnaround Time: Standard ☒ 30 DAY	
City: PATCHOGUE State: N.Y. 11772	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone: 631-447-6400 Fax:		

Sample Identification	Date	Time	Matrix	No. of Cont.	EPA METHOD 8260 C	EPA METHOD 6010 C	Sample Numbers
MW-02S	11/25/14	8:40	AQ	4	X	X	1
MW-02D		9:05					2
MW-03D		9:33					3
MW-07D		10:17					4
MW-04S		10:40					5
MW-04D		11:08					6
MW-16S		11:55					7
MW-16D1		12:50					8
MW-X							9
							10
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:			
6 = Other _____, 7 = Other _____				Water:	2	4	

460-86937 Chain of Custody

LAB USE ONLY
Project No:
Job No: 86937

Special Instructions

Water Metals Filtered (Yes/No)? NO

Relinquished by	Company	Date / Time	Received by	Company
1) DENNIS VIGLIOTTA	EAR	11/25/14 1:30	1) EAR Refrigerator	EAR
2) SAMPLE EAR FRIDGE	EAR	11/26/14 1100	2) WILLIAM A. VIGLIOTTA	EAR
3) WILLIAM A. VIGLIOTTA	EAR	11-26-14 1100	3)	TA
4)			4)	TA ED 11/26/14 1530

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): PAT BENEDETTO	Samplers Name (Printed): Bruce & Dennis Viglietta	Site/Project Identification: DEC-West Babylon 50
Company: Environmental Assessment & Remediation	P. O. #: STEA 1652029	State (Location of site): NJ: ☐ NY: ☐ Other:
Address: 225 Atlantic Ave	Analysis Turnaround Time: Standard ☒ 30 DAY	Regulatory Program:
City: Patchogue State: NY. 11772	Rush Chrages Authorized For: 2 Week ☐ 1 Wook ☐ Other ☐	LAB USE ONLY Project No:
Phone: 631-447-6400 Fax:		Job No: 86937

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	Geotech 8260C	Geotech 6010C	Sample Numbers
Trip Blank	11/25/14	—	AQ	2	X		10
Equipment Blank	11/25/14	—	AQ	2	X		11
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____			Soil:				
			Water:		2	4	

Special Instructions

Water Metals Filtered (Yes/No)? NO

Relinquished by	Company	Date / Time	Received by	Company
Dennis Viglietta	EAR	11/25/14 1:30	1) EAR Refrigerator	EAR
Relinquished by: SAMPLE EAR FRIDGE	Company: EAR	Date / Time: 11-26-14 11:00	Received by: William A. Viglietta	Company: EAR
Relinquished by: William A. Viglietta	Company: EAR	Date / Time: 11-26-14 11:00	Received by: 3)	Company:
Relinquished by: 4)	Company: T-2	Date / Time: 11/26/14 1530	Received by: 4)	Company: TAEd 11/26/14 1530

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 86937

Number of Coolers: 1 IR Gun # 1

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.9 °C	2.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 11/20/14

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-86937-1

Login Number: 86937

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are 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	2.9 ° C IR #5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.